

Orthoferrosilite: High-temperature crystal chemistry

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Abstract

The high-temperature crystal structure of orthoferrosilite (FeSiO_3 ; space group $Pbcu$) has been examined using intensity data collected at 24°C, 400°C, 600°C, 800°C, 900°C, and 980°C. Structural changes between 24°C and 980°C were regular, and no transformations were observed. Mean Si-O bond lengths and tetrahedral volumes decrease slightly with increasing temperature, whereas mean Fe1-O and Fe2-O bonds show significant increases. Mean thermal expansion coefficients of the mean Fe1-O and Fe2-O distances in orthoferrosilite are larger than that observed for the Fe^{2+} -O bond in the $C2/c$ edenbergite structure. Both the *A* and *B* tetrahedral chains in orthoferrosilite straighten with increasing temperature and, at 980°C, the *A* chain is almost completely extended. The change in the O3-O3-O3 angle is much larger than in $C2/c$ pyroxenes for comparable temperature intervals. A new notation describing the tetrahedral chain rotation (*N* or *P*) and the configuration around the *M2* site is introduced to aid in understanding differences among the various pyroxene structures.

Introduction

Although a natural occurrence of pure ferrosilite (FeSiO_3) has not been reported and all polymorphs of this composition are stable only at high pressure (Lindsley, 1965), this material is of considerable interest because it is one of the end-members of the pyroxene quadrilateral (MgSiO_3 - $\text{CaMgSi}_2\text{O}_6$ - $\text{CaFeSi}_2\text{O}_6$ - FeSiO_3). In a study on the stability of ferrosilite, Lindsley, MacGregor, and Davis (1964) reported the occurrence of three polymorphs. Subsequent structural investigation of these polymorphs (Burnham, 1966) revealed that one, ferrosilite III (space group $P\bar{1}$), has a pyroxenoid structure and that the other two, clinoferrosilite (space group $P2_1/c$) and orthoferrosilite (space group $Pbca$), have pyroxene structures.

Because the metal sites in ferrosilite are occupied only by Fe^{2+} , the high-temperature diffraction experiments on orthoferrosilite discussed in this paper provide valuable information on structural thermal expansion and atomic vibrations, especially when combined with similar data for other end-member pyroxenes (Cameron, Sueno, Prewitt, and Papike, 1973). In particular, this work represents: (1) the first high-temperature structural investigation of an end-member *Pbca* orthopyroxene, and (2) the first thermal expansion data on a pyroxene whose *M2* site is completely occupied by iron.

Experimental

X-ray intensity data collection

Single crystals of orthoferrosilite, synthesized hydrothermally at 800°C and 20 kbar for 16 days, were kindly supplied by Dr. D. H. Lindsley. A single crystal, $0.08 \times 0.08 \times 0.08$ mm, was selected for X-ray

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diffraction intensity measurement. It was mounted parallel to the c axis on a silica glass fiber using a high-temperature ceramic cement, and sealed in an evacuated silica glass capillary to prevent oxidation of iron. The details of the heater and the cement were described by Brown, Sueno, and Prewitt (1973).

The X-ray diffraction intensities ($\sin \theta/\lambda = 0.061 \rightarrow 0.756$) were measured at several temperatures (24°C, 400°C, 600°C, 800°C, 900°C, and 980°C) on a PDP-15/35 computer-controlled Picker diffractometer in the ω - 2θ mode using $\text{MoK}\alpha$ radiation monochromatized with a graphite crystal. All the data were converted to structure factors by applying Lorentz and polarization corrections, but no absorption corrections were made. Just after the intensity data collection of each temperature, 20 independent 2θ values were measured for cell parameter determinations, and these data were used to refine the cell parameters in the PODEX-2 least-squares program written by Sleight. Final cell parameters are listed in Table 1.

Refinement

Full-matrix, least-square structure refinements for each temperature were carried out using the RMIN program written by L. Finger (Geophysical Laboratory) and atomic scattering factors for neutral atoms (Doyle and Turner, 1968). Starting atom coordinates and temperature factors for the 24°C structure refinement were taken from the room-temperature orthoferrosilite structure given by Burnham (1966). The starting atom coordinates for the high-temperature structure refinements were taken from those of the lower temperature structures.

All observations were weighted according to $w = 1/\sigma_F^2$ where σ_F is the standard error of the structure factor based on counting statistics (Prewitt and Sleight, 1968). All reflections which were indistinguishable from background or which had asymmetric backgrounds were rejected from the least-squares refinements. Table 2 lists the number of reflections collected at each temperature (excluding the standard reflection which was checked every 20 re-

flections), the number used for the final cycle of refinement, and the final weighted R factors.²

The results of the high-temperature structure refinements of orthoferrosilite are reported as follows: positional parameters and isotropic temperature factors, Table 3; interatomic distances in tetrahedral chains, Table 4; interatomic angles in tetrahedral chains, Table 5; Fe-O interatomic distances and O-O distances in Fe coordination polyhedra, Table 6; selected interatomic angles in Fe-coordination polyhedra, Table 7; and magnitude and orientation of thermal ellipsoids, Table 8.

Throughout this paper the term mean thermal expansion coefficient (MTEC) is used to describe the expansion of cell dimensions and interatomic distances with increasing temperature. The MTEC was calculated using the following equation:

$$\alpha_x = \frac{1}{X_{24}} \frac{X_T - X_{24}}{T - 24} \text{ } ^\circ\text{C}^{-1}$$

where X_{24} and X_T are the values of a parameter at 24°C and at some higher temperature. See Cameron *et al* (1973) for further explanation.

Discussion

The $Pbca$ orthopyroxene structure

A projection along a^* of part of the orthoferrosilite structure is shown in Figure 1. The $M1$ and $M2$ sites are occupied by Fe^{2+} , and at room temperature both are six-coordinated with the $M1$ coordination polyhedron being the smaller and more regular of the two. There are two symmetrically independent tetrahedral sites, each of which is confined to one chain. The two distinct chains are designated A and B , following the notation of Burnham (1966). The B chain is the more kinked of the two, and the tetrahedra comprising this are both larger and more distorted than those of the A chain. The tetrahedra of both chains are completely occupied by silicon.

There are six crystallographically nonequivalent oxygen atoms in the structure. O1A , O2A , O1B , and O2B are nonbridging oxygens (each bonded only to one Si), and O3A and O3B are bridging oxygens (each bonded to two Si atoms). The nonbridging oxygens connect tetrahedral chains and $M1$ octahedral strips vertically along a^* and laterally along b

TABLE 1. Unit-Cell Parameters of Orthoferrosilite at Several Temperatures

| | 24°C | 400°C | 600°C | 800°C | 900°C | 980°C |
|-----------------------|------------------------|-----------|-----------|-----------|-----------|-----------|
| a (Å) | 10.418(2) ² | 10.428(1) | 10.527(1) | 10.560(1) | 10.566(1) | 10.417(1) |
| b (Å) | 9.078(1) | 9.124(1) | 9.144(1) | 9.162(1) | 9.168(1) | 9.172(1) |
| c (Å) | 5.236(4) | 5.252(3) | 5.274(4) | 5.297(4) | 5.311(3) | 5.239(4) |
| V (Å ³) | 475.6(1) | 486.2(1) | 493.2(1) | 495.1(1) | 495.5(1) | 468.2(1) |

² Errors in parentheses represent one standard deviation.

² To obtain observed structure factors and R_p 's from the final cycle of each anisotropic refinement, order document AM-76-011 from the Business Office, Mineralogical Society of America, suite 1000 lower level, 1909 K Street, N.W., Washington, D.C. 20006. Please remit \$1.00 for the microfiche.

TABLE 3. Final Positional Parameters and Equivalent Isotropic Temperature Factors (\AA) for Orthoferrosilite

| Atom | Parameter | 24°C | 400°C | 600°C | 800°C | 900°C | 980°C |
|------|-----------|-------------------------|------------|------------|------------|------------|------------|
| Fe1 | x | 0.37573(3) ^a | 0.37554(4) | 0.37517(5) | 0.37499(6) | 0.37492(6) | 0.37467(7) |
| | y | 0.65415(7) | 0.65283(8) | 0.65204(9) | 0.65130(9) | 0.6510(1) | 0.6505(1) |
| | z | 0.8746(1) | 0.8823(2) | 0.8869(2) | 0.8926(2) | 0.8968(2) | 0.8992(2) |
| | B | 0.46(1) | 1.09(2) | 1.42(2) | 1.80(2) | 1.98(2) | 2.27(2) |
| Fe2 | x | 0.37766(4) | 0.37724(5) | 0.37714(6) | 0.37666(7) | 0.37641(8) | 0.37637(8) |
| | y | 0.48567(7) | 0.48683(9) | 0.4876(1) | 0.4885(1) | 0.4886(1) | 0.4886(1) |
| | z | 0.3667(1) | 0.3748(2) | 0.3805(2) | 0.3879(2) | 0.3926(2) | 0.3964(3) |
| | B | 0.62(1) | 1.48(2) | 2.01(2) | 2.55(2) | 2.83(3) | 3.19(3) |
| S1A | x | 0.27229(6) | 0.27223(7) | 0.27247(8) | 0.27259(9) | 0.27267(9) | 0.2729(1) |
| | y | 0.3387(1) | 0.3384(2) | 0.3376(2) | 0.3369(2) | 0.3371(2) | 0.3374(3) |
| | z | 0.0493(2) | 0.0562(3) | 0.0598(3) | 0.0644(3) | 0.0675(3) | 0.0695(4) |
| | B | 0.47(2) | 0.86(2) | 1.09(3) | 1.33(3) | 1.51(3) | 1.64(4) |
| S1B | x | 0.47310(6) | 0.47356(7) | 0.47411(8) | 0.47462(9) | 0.4752(1) | 0.4755(1) |
| | y | 0.33448(1) | 0.3348(2) | 0.3350(2) | 0.3358(2) | 0.3358(2) | 0.3353(3) |
| | z | 0.7891(2) | 0.7862(3) | 0.7827(3) | 0.7783(3) | 0.7742(3) | 0.7725(4) |
| | B | 0.42(2) | 0.82(2) | 1.09(3) | 1.34(3) | 1.47(3) | 1.70(4) |
| O1A | x | 0.1848(2) | 0.1852(2) | 0.1854(2) | 0.1855(2) | 0.1856(3) | 0.1862(3) |
| | y | 0.3396(3) | 0.3386(4) | 0.3393(5) | 0.3390(5) | 0.3386(6) | 0.3394(7) |
| | z | 0.0387(6) | 0.0490(7) | 0.0532(8) | 0.0605(8) | 0.0648(8) | 0.0669(10) |
| | B | 0.60(5) | 1.18(6) | 1.45(7) | 1.77(8) | 2.15(9) | 2.26(10) |
| O2A | x | 0.3118(2) | 0.3113(2) | 0.3112(3) | 0.3115(3) | 0.3115(3) | 0.3120(3) |
| | y | 0.4964(4) | 0.4951(4) | 0.4932(5) | 0.4926(6) | 0.4917(6) | 0.4910(6) |
| | z | 0.0582(6) | 0.0695(7) | 0.0756(8) | 0.0832(9) | 0.0856(10) | 0.0921(11) |
| | B | 0.68(5) | 1.33(7) | 1.92(8) | 2.30(9) | 2.54(10) | 2.67(11) |
| O3A | x | 0.3025(2) | 0.3022(2) | 0.3014(2) | 0.3011(2) | 0.3013(2) | 0.3005(3) |
| | y | 0.2363(4) | 0.2406(5) | 0.2434(5) | 0.2450(6) | 0.2470(7) | 0.2491(7) |
| | z | 0.8163(6) | 0.8204(8) | 0.8192(8) | 0.8227(8) | 0.8239(8) | 0.8225(9) |
| | B | 0.70(5) | 1.44(7) | 1.80(8) | 2.45(10) | 2.57(11) | 2.87(13) |
| O1B | x | 0.5610(2) | 0.5613(2) | 0.5613(2) | 0.5617(2) | 0.5622(2) | 0.5623(3) |
| | y | 0.3365(4) | 0.3380(4) | 0.3379(5) | 0.3392(5) | 0.3396(6) | 0.3401(7) |
| | z | 0.7868(6) | 0.7838(7) | 0.7812(8) | 0.7771(9) | 0.7731(9) | 0.7727(10) |
| | B | 0.71(5) | 1.22(6) | 1.72(7) | 1.94(8) | 2.20(9) | 2.49(11) |
| O2B | x | 0.4332(2) | 0.4334(2) | 0.4340(2) | 0.4339(3) | 0.4342(3) | 0.4348(3) |
| | y | 0.4806(3) | 0.4806(4) | 0.4825(5) | 0.4832(6) | 0.4846(6) | 0.4847(7) |
| | z | 0.6932(6) | 0.6965(8) | 0.7011(9) | 0.7064(10) | 0.7077(10) | 0.7117(11) |
| | B | 0.69(5) | 1.39(7) | 1.79(8) | 2.24(10) | 2.41(10) | 3.13(13) |
| O3B | x | 0.4476(2) | 0.4481(2) | 0.4487(2) | 0.4488(3) | 0.4500(3) | 0.4493(3) |
| | y | 0.2028(3) | 0.2073(4) | 0.2100(5) | 0.2167(6) | 0.2189(7) | 0.2229(8) |
| | z | 0.5865(6) | 0.5782(7) | 0.5719(8) | 0.5604(9) | 0.5521(9) | 0.5455(10) |
| | B | 0.60(5) | 1.26(7) | 1.76(8) | 2.42(10) | 2.71(11) | 3.29(13) |

Errors in parentheses are one standard deviation.

TABLE 4. Interatomic Distances in Tetrahedral Chains in Orthoferrosilite at Several Temperatures

| S1A | 24°C | 400°C | 600°C | 800°C | 900°C | 980°C | MTEC (x10 ⁻⁵) |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------------------|
| S1(A)-O1A | 1.613(3)* | 1.608(4) | 1.613(4) | 1.617(5) | 1.620(5) | 1.615(5) | 0.4358 |
| O2A | 1.607(3) | 1.603(4) | 1.596(5) | 1.602(5) | 1.594(5) | 1.590(6) | -0.9357 |
| O3A | 1.652(3) | 1.651(4) | 1.646(4) | 1.648(5) | 1.653(5) | 1.645(5) | -0.4536 |
| O3A* | 1.633(3) | 1.625(4) | 1.625(4) | 1.621(5) | 1.624(5) | 1.627(5) | -0.4792 |
| Mean | 1.626 | 1.624 | 1.620 | 1.622 | 1.623 | 1.619 | -0.3495 |
| S1B-O1B | 1.621(3) | 1.622(4) | 1.616(4) | 1.618(5) | 1.619(5) | 1.616(5) | -0.2926 |
| -O2B | 1.598(3) | 1.595(4) | 1.599(4) | 1.594(5) | 1.602(5) | 1.599(6) | 0.1358 |
| -O3B | 1.666(3) | 1.665(4) | 1.663(5) | 1.659(5) | 1.662(5) | 1.661(6) | -0.3682 |
| -O3B* | 1.662(3) | 1.651(4) | 1.649(5) | 1.642(5) | 1.628(5) | 1.622(6) | -2.3439 |
| Mean | 1.637 | 1.633 | 1.632 | 1.628 | 1.628 | 1.624 | -0.7359 |
| O1A-O2A | 2.741(4) | 2.734(5) | 2.725(6) | 2.733(6) | 2.733(7) | 2.727(7) | |
| O1A-O3A | 2.700(4) | 2.690(5) | 2.676(6) | 2.670(6) | 2.673(7) | 2.653(7) | |
| O1A-O3A* | 2.634(4) | 2.630(5) | 2.629(5) | 2.633(6) | 2.641(7) | 2.628(7) | |
| O2A-O3A | 2.514(4) | 2.529(6) | 2.523(6) | 2.526(7) | 2.535(7) | 2.529(8) | |
| O2A-O3A* | 2.686(4) | 2.671(6) | 2.661(6) | 2.662(7) | 2.646(8) | 2.650(8) | |
| O3A-O3A* | 2.6309(6) | 2.6352(6) | 2.6406(4) | 2.6503(4) | 2.6562(3) | 2.6600(1) | |
| Mean | 2.651 | 2.648 | 2.642 | 2.646 | 2.647 | 2.641 | |
| O1B-O2B | 2.739(4) | 2.738(5) | 2.737(6) | 2.742(6) | 2.749(7) | 2.738(8) | |
| O1B-O3B | 2.635(4) | 2.639(5) | 2.635(6) | 2.641(6) | 2.639(7) | 2.653(8) | |
| O1B-O3B* | 2.638(4) | 2.635(5) | 2.627(6) | 2.630(6) | 2.616(7) | 2.620(8) | |
| O2B-O3B | 2.597(5) | 2.584(6) | 2.597(7) | 2.578(8) | 2.590(8) | 2.573(10) | |
| O2B-O3B* | 2.662(4) | 2.654(5) | 2.645(6) | 2.636(6) | 2.629(7) | 2.618(8) | |
| O3B-O3B* | 2.756(2) | 2.743(2) | 2.737(2) | 2.718(2) | 2.716(3) | 2.706(3) | |
| Mean | 2.671 | 2.662 | 2.663 | 2.657 | 2.657 | 2.651 | |

* Errors in parentheses are one standard deviation.

TABLE 5. Interatomic Angles (°) in Tetrahedral Chains of Orthoferrosilite at Several Temperatures

| Atoms | 24°C | 400°C | 600°C | 800°C | 900°C | 980°C |
|----------------|-------------|------------|------------|------------|------------|------------|
| O1A -S1A-O2A | 116.71(18)* | 116.73(23) | 116.24(25) | 116.20(29) | 116.47(32) | 116.64(34) |
| O1A - -O3A | 111.58(17) | 110.71(21) | 110.38(22) | 109.67(24) | 109.47(26) | 108.94(29) |
| O1A - -O3A* | 108.59(17) | 108.88(20) | 108.58(22) | 108.81(24) | 108.95(26) | 108.32(29) |
| O2A - -O3A | 100.97(16) | 101.56(21) | 102.17(24) | 102.03(27) | 102.64(29) | 102.87(32) |
| O2A - -O3A* | 112.03(17) | 111.69(22) | 111.42(25) | 111.37(28) | 110.60(37) | 110.95(32) |
| O3A - -O3A* | 106.46(12) | 106.67(15) | 107.43(16) | 108.36(18) | 108.26(19) | 108.79(20) |
| Mean | 109.38 | 109.37 | 109.40 | 109.41 | 109.42 | 109.42 |
| O1B -S1B-O2B | 116.64(18) | 116.65(22) | 116.73(25) | 117.21(28) | 117.18(31) | 116.76(35) |
| O1B - -O3B | 106.56(17) | 106.85(21) | 106.93(24) | 107.42(27) | 107.07(28) | 108.10(32) |
| O1B - -O3B* | 106.94(17) | 107.23(21) | 107.13(23) | 107.55(26) | 107.34(28) | 108.00(31) |
| O2B - -O3B | 105.43(17) | 104.88(23) | 105.54(25) | 104.66(29) | 104.89(31) | 104.21(35) |
| O2B - -O3B* | 109.52(17) | 109.65(21) | 109.08(24) | 109.07(27) | 108.96(29) | 108.72(33) |
| O3B - -O3B* | 111.80(13) | 111.61(16) | 111.47(18) | 110.87(19) | 111.31(20) | 111.00(23) |
| Mean | 109.46 | 109.48 | 109.48 | 109.47 | 109.48 | 109.47 |
| S1A -O3A-S1A | 138.87(27) | 139.76(25) | 141.26(28) | 141.98(32) | 141.95(33) | 143.39(36) |
| S1B -O3B-S1B | 131.59(20) | 133.87(26) | 135.18(28) | 137.83(34) | 139.55(36) | 140.09(40) |
| O3A*-O3A-O3A** | 190.89(28) | 187.43(37) | 185.28(41) | 183.99(48) | 182.37(52) | 180.68(56) |
| O3B*-O3B-O3B** | 143.76(24) | 146.97(31) | 149.00(36) | 154.07(45) | 155.78(52) | 158.85(60) |

* Errors in parentheses are one standard deviation.

whereas the bridging oxygens connect individual tetrahedra in the silicate chains.

Thermal expansion mechanisms in pyroxenes

In recent years, numerous pyroxene structures have been refined using high-temperature data

(Brown *et al.*, 1972; Smyth and Burnham, 1972; Cameron *et al.*, 1973; Smyth, 1973; Smyth, 1974a). In all of these studies thermal expansion of the silicate tetrahedra was much less than that of the *M1* and *M2* polyhedra. Volumes of the tetrahedra changed only slightly with increasing temperature, and in addition,

TABLE 6 Fe-O and O-O Interatomic Distances in Fe Coordination Polyhedra in Orthoferrosilite at Several Temperatures

| Atom | Fe-O distances (Å) | | | | | | NTEC** (x10 ⁻⁵) |
|----------------|--------------------|----------|----------|----------|----------|----------|--------------------------------|
| | 24°C | 400°C | 600°C | 800°C | 900°C | 980°C | |
| Fe1-O1A | 2.195(3)* | 2.214(4) | 2.228(4) | 2.238(5) | 2.241(5) | 2.254(6) | 2.657 |
| -O1A' | 2.085(3) | 2.084(4) | 2.090(4) | 2.089(4) | 2.093(5) | 2.101(5) | 0.665 |
| -O1B | 2.194(3) | 2.231(4) | 2.250(5) | 2.269(5) | 2.274(5) | 2.289(6) | 4.368 |
| -O1B' | 2.124(3) | 2.110(4) | 2.112(4) | 2.109(5) | 2.109(5) | 2.105(5) | -0.817 |
| -O2A | 2.090(3) | 2.110(4) | 2.123(5) | 2.127(5) | 2.128(6) | 2.134(6) | 2.117 |
| -O2B | 2.124(3) | 2.137(4) | 2.134(5) | 2.131(5) | 2.133(5) | 2.136(6) | 0.378 |
| Mean | 2.135 | 2.148 | 2.156 | 2.161 | 2.163 | 2.170 | 1.591 |
| Fe2-O1A | 2.158(3) | 2.170(4) | 2.164(4) | 2.160(5) | 2.162(5) | 2.160(6) | -0.035 |
| -O1B | 2.129(3) | 2.131(4) | 2.139(5) | 2.137(5) | 2.135(5) | 2.140(6) | 0.477 |
| -O2A | 2.024(3) | 2.018(4) | 2.020(5) | 2.018(5) | 2.029(5) | 2.014(6) | -0.149 |
| -O2B | 1.994(3) | 1.985(4) | 1.993(5) | 1.994(5) | 1.990(5) | 2.000(6) | 0.235 |
| -O3A | 2.460(3) | 2.513(4) | 2.556(5) | 2.581(5) | 2.598(6) | 2.628(6) | 6.879 |
| -O3B | 2.600(3) | 2.699(4) | 2.770(5) | 2.887(5) | 2.960(6) | 3.016(7) | 16.986 |
| -O3B' | 3.097(3) | 3.060(4) | 3.036(5) | 2.971(6) | 2.950(6) | 2.900(7) | -6.314 |
| Mean (6) | 2.228 | 2.253 | 2.274 | 2.295 | 2.311 | 2.326 | 4.592 |
| (7) | 2.352 | 2.368 | 2.383 | 2.393 | 2.403 | 2.408 | 2.546 |
| Fe Octahedron | O-O distances (Å) | | | | | | |
| | 24°C | 400°C | 600°C | 800°C | 900°C | 980°C | |
| O1A-O1A' | 3.083(3) | 3.087(4) | 3.103(5) | 3.110(5) | 3.113(6) | 3.125(6) | |
| O1A-O2A | 3.119(4) | 3.137(6) | 3.154(6) | 3.176(7) | 3.183(8) | 3.199(8) | |
| O1A'-O2A | 3.103(5) | 3.131(6) | 3.168(6) | 3.170(7) | 3.174(8) | 3.198(8) | |
| O1A-O1B | 2.849(4) | 2.883(5) | 2.899(5) | 2.912(6) | 2.912(6) | 2.929(7) | |
| O1A'-O1B | 2.932(4) | 2.936(5) | 2.946(5) | 2.947(5) | 2.945(6) | 2.958(6) | |
| O1A-O1B' | 2.838(4) | 2.851(5) | 2.857(5) | 2.858(7) | 2.857(7) | 2.875(8) | |
| O2A-O1B' | 2.907(4) | 2.909(6) | 2.922(5) | 2.909(7) | 2.910(7) | 2.897(5) | |
| O2A-O2B | 2.947(4) | 2.993(6) | 3.015(4) | 3.025(7) | 3.039(7) | 3.053(4) | |
| O1B-O1B' | 3.054(3) | 3.081(4) | 3.089(5) | 3.112(5) | 3.123(6) | 3.131(7) | |
| O1B-O2B | 3.235(4) | 3.264(6) | 3.253(4) | 3.263(7) | 3.257(8) | 3.261(9) | |
| O1B'-O2B | 3.192(5) | 3.197(6) | 3.188(5) | 3.184(7) | 3.194(8) | 3.180(9) | |
| Fe2 Polyhedron | 24°C | 400°C | 600°C | 800°C | 900°C | 980°C | |
| O1A-O2A | 2.925(5) | 2.943(6) | 2.949(6) | 2.963(7) | 2.983(8) | 2.967(9) | |
| O1A-O3A | 2.634(7) | 2.630(5) | 2.629(5) | 2.633(6) | 2.641(7) | 2.623(7) | |
| O2A-O3A | 2.514(4) | 2.529(6) | 2.523(6) | 2.526(7) | 2.535(7) | 2.529(8) | |
| O1A-O1B | 2.849(4) | 2.883(5) | 2.899(5) | 2.912(6) | 2.912(6) | 2.929(7) | |
| O1A-O2B | 2.838(4) | 2.851(5) | 2.857(5) | 2.858(7) | 2.857(7) | 2.875(8) | |
| O2A-O1B | 2.908(5) | 2.909(6) | 2.922(6) | 2.909(7) | 2.910(7) | 2.897(8) | |
| O2A-O3B | 3.093(5) | 3.132(6) | 3.153(6) | 3.191(7) | 3.223(8) | 3.232(9) | |
| O3A-O2B | 3.339(4) | 3.331(6) | 3.346(6) | 3.350(7) | 3.352(7) | 3.357(8) | |
| O3A-O3B | 2.950(4) | 2.999(5) | 3.039(6) | 3.085(6) | 3.129(6) | 3.147(7) | |
| O1B-O2B | 3.015(5) | 3.021(6) | 3.030(7) | 3.036(7) | 3.021(8) | 3.038(9) | |
| O1B-O3B | 3.396(5) | 3.451(6) | 3.495(7) | | | | |
| O2B-O3B | 2.662(4) | 2.654(5) | 2.645(6) | 2.636(7) | 2.629(7) | 2.618(8) | |

* Error in parentheses represents one standard deviation.

** NTEC: Mean thermal expansion coefficient. See text of paper for explanation.

TABLE 7. Interatomic Angles ($^{\circ}$) in Fe Coordination Polyhedra in Orthoferrosilite at Several Temperatures

| Atom | 24 $^{\circ}$ C | 400 $^{\circ}$ C | 600 $^{\circ}$ C | 800 $^{\circ}$ C | 900 $^{\circ}$ C | 980 $^{\circ}$ C |
|--------------|------------------------|------------------|------------------|------------------|------------------|------------------|
| O1A -M1-O1A' | 92.13(12) ^a | 91.77(14) | 91.82(15) | 91.84(17) | 91.76(19) | 91.62(20) |
| O1A - -O2A | 92.37(12) | 92.97(15) | 93.44(16) | 93.36(18) | 93.49(20) | 93.57(21) |
| O1A' - -O2A | 95.03(12) | 95.59(15) | 96.95(17) | 97.52(18) | 97.59(20) | 98.06(22) |
| O1A - -O1B | 80.93(11) | 80.84(13) | 80.69(14) | 80.49(15) | 80.31(16) | 80.29(17) |
| O1A - -O1B' | 85.49(12) | 85.46(14) | 85.46(16) | 85.31(16) | 85.15(18) | 85.42(20) |
| O1A' - -O1B | 86.47(12) | 85.66(14) | 85.44(15) | 84.97(17) | 84.68(18) | 84.62(20) |
| O1A' - -O2B | 84.82(12) | 84.96(16) | 85.13(17) | 85.23(19) | 85.05(20) | 85.47(23) |
| O2A - -O1B' | 87.28(12) | 87.15(15) | 87.25(17) | 86.75(19) | 86.75(20) | 86.23(23) |
| O2A - -O2B | 86.78(13) | 86.63(15) | 86.18(17) | 85.57(19) | 85.02(20) | 84.33(22) |
| O1B - -O1B' | 90.01(11) | 90.35(14) | 90.13(16) | 90.51(17) | 90.79(18) | 90.82(20) |
| O1B - -O2B | 97.03(12) | 96.65(15) | 95.70(17) | 95.67(18) | 95.24(19) | 94.91(22) |
| O1B' - -O2B | 97.45(13) | 97.66(15) | 97.34(18) | 97.36(19) | 97.72(20) | 97.15(23) |
| O1A-M2-O2A | 88.72(13) | 89.24(15) | 89.58(17) | 90.27(19) | 90.72(20) | 90.53(22) |
| O1A - -O3A | 110.27(11) | 111.12(13) | 111.34(14) | 111.85(16) | 112.45(17) | 112.29(19) |
| O2A - -O3A | 67.39(12) | 66.83(14) | 65.70(16) | 65.30(17) | 65.11(18) | 64.46(20) |
| O1A - -O1B | 83.22(11) | 84.17(13) | 84.70(15) | 85.34(16) | 85.24(17) | 85.87(19) |
| O1A - -O2B | 86.18(13) | 86.53(16) | 86.73(17) | 86.83(18) | 86.86(20) | 87.37(22) |
| O2A - -O1B | 88.88(13) | 89.01(16) | 89.20(17) | 88.84(19) | 88.65(20) | 88.37(22) |
| O2A - -O3B | 83.02(12) | 81.83(15) | 80.68(17) | 79.00(18) | 78.23(19) | 78.04(21) |
| O3A - -O2B | 111.26(12) | 111.21(15) | 112.21(16) | 112.50(18) | 113.15(19) | 113.76(22) |
| O3A - -O3B | 71.39(10) | 70.14(12) | 69.46(13) | 68.43(14) | 67.95(14) | 66.12(16) |
| O1B - -O2B | 93.95(12) | 94.38(16) | 94.25(18) | 94.53(20) | 94.11(22) | 94.38(24) |
| O1B - -O3B | 91.31(11) | 90.41(13) | 89.85(15) | 89.25(16) | 88.60(18) | 88.39(20) |
| O2B - -O3B | 102.38(11) | 102.72(14) | 103.33(16) | 104.20(17) | 104.65(19) | 105.22(22) |

^a Errors in parentheses are one standard deviation.

the volume of the *M2* polyhedron (generally occupied by larger cations such as Ca, Na, Fe^{2+}) showed a higher rate of increase than the *M1* polyhedron (occupied by atoms such as Mg, Al, Fe^{3+} , Fe^{2+}). This differential thermal expansion between the tetrahedra and polyhedra determines to a large degree how the structures behave with increasing temperature. Structural adaptations (Cameron *et al.*, 1973) necessary to maintain the fit between the tetrahedral chains and the octahedral strips include: (1) stretching of the silicate chains (increase of O3-O3-O3 angle), (2) distortion of the silicate tetrahedra, and (3) increase in out-of-plane tilting of tetrahedra as a result of movement of the O2 atoms farther from the *bc* plane which contains the O3 atoms.

Topology of the *Pbc*, *P2₁/c* and *C2/c* structures

Thompson (1970) discussed pyroxene architecture based on ideal close-packing of oxygen atoms, *i.e.*, regular tetrahedra and octahedra with equal-length edges. In these "ideal" models, the basal triangle of an individual tetrahedron or octahedron is assumed to be parallel to the *bc* plane of the unit cell. Thompson (1970) pointed out that there are two possible orientations of a tetrahedral chain with re-

spect to the *M1* octahedral strip to which it is connected through common O1 oxygen atoms. Thompson called these *O* or *S* rotations because in real silicate structures the orientations of the silicate chains are intermediate between the *O* and *S* extremes. In this paper, we use *O* or *S* orientation when speaking of ideal structures and *O* or *S* rotation to indicate the direction of rotation in real structures. In an *O* orientation or rotation, the basal triangles of the tetrahedra in the chain point in a direction *opposite* to the triangles on the top of the *M1* octahedra to which they are linked (Fig. 2a). In an *S* orientation, the tetrahedral triangles are directed in the *same* way as the triangular faces of the octahedra (Fig. 2b). These two orientations correspond to cubic close packing (*O* orientations) or hexagonal close packing (*S* orientations) of the oxygen atoms.

Although the concept of *O* and *S* orientations is convenient for describing the two possibilities shown in Figure 2, additional relationships occur when larger segments of the structure are examined. Not only is it possible to attach tetrahedral chains to the tops and bottoms of octahedral strips in two different ways, but it is also possible to attach them laterally in different ways. Following the Thompson theme, we

TABLE 8. Amplitudes and Orientations of Major Axes of Thermal Ellipsoids

| Atom | Ellipsoid axis (r_i) | 24°C | 400°C | 600°C | 800°C | 900°C | 980°C | |
|-------|--------------------------|----------------|----------|----------|----------|----------|----------|----------|
| Fe 1 | rms | .054(2) | .104(2) | .116(2) | .130(2) | .136(2) | .145(2) | |
| | r_1 | a [†] | 33 (7) | 58 (5) | 58 (3) | 63 (2) | 57 (2) | 60 (2) |
| | | b [†] | 94 (5) | 93 (2) | 99 (3) | 99 (3) | 89 (3) | 94 (3) |
| | | c [†] | 57 (7) | 32 (5) | 33 (3) | 29 (3) | 33 (2) | 30 (3) |
| | r_2 | rms | .075(2) | .118(2) | .139(2) | .157(2) | .165(2) | .176(2) |
| | | a | 57 (8) | 36 (6) | 32 (3) | 39 (8) | 33 (2) | 30 (3) |
| | | b | 79 (7) | 70 (8) | 86 (11) | 114 (11) | 89 (13) | 89 (11) |
| | r_3 | rms | .088(2) | .128(2) | .146(2) | .164(2) | .172(2) | .185(2) |
| | | a | 93 (5) | 105 (7) | 85 (10) | 115 (10) | 90 (25) | 89 (10) |
| | | b | 12 (7) | 20 (8) | 9 (5) | 154 (11) | 179 (26) | 5 (3) |
| | Fe 2 | rms | .067(2) | .106(2) | .124(2) | .141(2) | .149(2) | .156(2) |
| | | r_1 | a | 49 (3) | 51 (2) | 49 (1) | 50 (1) | 52 (1) |
| b | | | 86 (3) | 90 (2) | 90 (2) | 85 (2) | 92 (2) | 83 (2) |
| c | | | 41 (3) | 39 (2) | 41 (1) | 41 (1) | 38 (1) | 44 (1) |
| r_2 | | rms | .090(2) | .142(2) | .167(2) | .189(2) | .199(2) | .212(2) |
| | | a | 51 (5) | 60 (3) | 61 (3) | 67 (4) | 66 (5) | 72 (4) |
| | | b | 59 (5) | 40 (4) | 40 (5) | 34 (5) | 30 (5) | 32 (6) |
| r_3 | | rms | .104(2) | .157(2) | .182(2) | .203(2) | .214(2) | .228(2) |
| | | a | 115 (4) | 127 (3) | 125 (3) | 131 (3) | 132 (3) | 132 (3) |
| | | b | 31 (5) | 50 (4) | 50 (5) | 56 (5) | 60 (6) | 59 (6) |
| Si A | | rms | .061(2) | .090(3) | .104(4) | .110(4) | .117(3) | .124(4) |
| | | r_1 | a | 16 (18) | 157 (21) | 30 (22) | 22 (14) | 11 (6) |
| | b | | 89 (5) | 105 (7) | 71 (5) | 75 (5) | 79 (5) | 73 (6) |
| | c | | 73 (18) | 73 (31) | 68 (25) | 74 (15) | 86 (9) | 18 (6) |
| | r_2 | rms | .070(3) | .095(3) | .109(3) | .120(3) | .134(3) | .131(4) |
| | | a | 74 (18) | 106 (28) | 66 (25) | 71 (15) | 84 (9) | 170 (16) |
| | | b | 91 (7) | 100 (9) | 91 (9) | 100 (6) | 101 (7) | 99 (8) |
| | r_3 | rms | .095(3) | .125(3) | .137(3) | .155(3) | .160(3) | .173(4) |
| | | a | 90 (5) | 73 (5) | 73 (5) | 75 (4) | 80 (4) | 83 (5) |
| | | b | 779 (7) | 163 (5) | 161 (5) | 161 (4) | 165 (5) | 161 (3) |
| | Si B | rms | .057(4) | .084(3) | .100(3) | .109(4) | .115(4) | .125(4) |
| | | r_1 | a | 18 (7) | 19 (8) | 35 (9) | 37 (6) | 33 (6) |
| b | | | 104 (8) | 94 (6) | 95 (6) | 110 (5) | 104 (5) | 102 (7) |
| c | | | 80 (8) | 71 (7) | 55 (10) | 60 (6) | 61 (5) | 63 (6) |
| r_2 | | rms | .076(4) | .103(3) | .113(3) | .133(3) | .141(3) | .149(4) |
| | | a | 87 (10) | 71 (8) | 59 (10) | 55 (7) | 57 (6) | 60 (7) |
| | | b | 118 (21) | 68 (11) | 108 (7) | 81 (12) | 76 (15) | 60 (11) |
| r_3 | | rms | .083(3) | .117(3) | .126(3) | .146(3) | .152(3) | .164(4) |
| | | a | 107 (7) | 93 (6) | 104 (5) | 79 (9) | 85 (10) | 94 (8) |
| | | b | 148 (19) | 22 (11) | 162 (7) | 22 (7) | 20 (11) | 33 (10) |
| O1A | | rms | .059(10) | .090(8) | .107(8) | .051(10) | .128(9) | .126(10) |
| | | r_1 | a | 12 (8) | 7 (10) | 174 (9) | 151 (6) | 167 (7) |
| | b | | 83 (15) | 85 (8) | 96 (9) | 98 (4) | 102 (6) | 95 (7) |
| | c | | 80 (11) | 84 (10) | 90 (5) | 63 (6) | 87 (12) | 81 (10) |
| | r_2 | rms | .088(9) | .126(8) | .141(9) | .150(9) | .161(9) | .167(10) |
| | | a | 90 (16) | 83 (10) | 90 (11) | 118 (7) | 95 (12) | 100 (11) |
| | | b | 35 (18) | 107 (21) | 96 (31) | 85 (10) | 83 (11) | 73 (12) |
| | r_3 | rms | .107(8) | .144(7) | .154(7) | .191(7) | .199(8) | .206(9) |
| | | a | 102 (5) | 87 (8) | 84 (9) | 95 (6) | 101 (6) | 92 (6) |
| | | b | 56 (18) | 162 (20) | 172 (24) | 10 (5) | 14 (8) | 17 (11) |

TABLE 8, Continued

| Atom | E11ipsoid axis (r_i) | 24°C | 400°C | 600°C | 800°C | 900°C | 980°C | |
|----------------|--------------------------|----------------|----------|----------|----------|----------|----------|----------|
| 02A | rms | .067(11) | .106(9) | .129(9) | .147(9) | .145(10) | .150(10) | |
| | r ₁ | a | 81 (15) | 134 (8) | 117 (7) | 47 (8) | 63 (6) | 54 (7) |
| | | b | 116 (17) | 136 (8) | 153 (7) | 44 (9) | 34 (11) | 37 (6) |
| | | c | 27 (13) | 87 (16) | 89 (18) | 84 (16) | 71 (17) | 83 (17) |
| | r ₂ | a | .087(9) | .129(8) | .150(8) | .170(8) | .171(9) | .170(10) |
| | | b | 131 (11) | 104 (18) | 99 (14) | 94 (20) | 88 (12) | 80 (15) |
| | | c | 135 (16) | 80 (16) | 86 (18) | 77 (17) | 70 (16) | 89 (15) |
| | r ₃ | a | 105 (19) | 163 (18) | 171 (11) | 167 (18) | 160 (17) | 170 (15) |
| | | b | .118(7) | .150(7) | .184(7) | .192(8) | .215(8) | .216(9) |
| | | c | 139 (10) | 132 (9) | 151 (7) | 136 (8) | 153 (8) | 127 (6) |
| | 03A | rms | .071(10) | .090(10) | .092(11) | .105(11) | .116(11) | .115(14) |
| | | r ₁ | a | 44 (44) | 66 (21) | 76 (17) | 114 (13) | 63 (21) |
| b | | | 80 (22) | 71 (6) | 62 (4) | 70 (4) | 70 (6) | 60 (3) |
| c | | | 48 (37) | 31 (15) | 32 (7) | 32 (9) | 34 (15) | 30 (3) |
| r ₂ | | a | .080(9) | .110(8) | .119(8) | .140(9) | .137(10) | .144(10) |
| | | b | 49 (44) | 24 (21) | 14 (17) | 156 (13) | 27 (21) | 176 (4) |
| | | c | 117 (12) | 101 (8) | 97 (9) | 101 (5) | 103 (8) | 86 (9) |
| r ₃ | | a | 127 (39) | 111 (19) | 102 (15) | 111 (12) | 113 (19) | 93 (16) |
| | | b | .123(7) | .186(6) | .214(7) | .250(8) | .255(8) | .274(10) |
| | | c | 102 (7) | 93 (4) | 91 (4) | 89 (3) | 93 (3) | 94 (3) |
| 01B | | rms | .054(12) | .085(9) | .113(9) | .103(10) | .116(10) | .145(10) |
| | | r ₁ | a | 29 (7) | 8 (8) | 19 (8) | 15 (6) | 24 (6) |
| | b | | 76 (7) | 86 (7) | 74 (8) | 77 (5) | 71 (5) | 74 (8) |
| | c | | 66 (8) | 83 (8) | 79 (14) | 82 (6) | 76 (7) | 71 (13) |
| | r ₂ | a | .099(8) | .132(7) | .140(7) | .166(7) | .175(8) | .179(8) |
| | | b | 74 (10) | 83 (9) | 82 (14) | 80 (8) | 72 (9) | 74 (14) |
| | | c | 83 (16) | 90 (26) | 81 (10) | 98 (18) | 98 (17) | 78 (18) |
| | r ₃ | a | 148 (12) | 173 (8) | 167 (12) | 168 (15) | 160 (14) | 160 (13) |
| | | b | .120(7) | .147(7) | .181(7) | .189(8) | .199(8) | .204(9) |
| | | c | 113 (7) | 86 (9) | 107 (6) | 79 (5) | 74 (8) | 109 (9) |
| | 02B | rms | .082(9) | .088(10) | .111(10) | .123(10) | .125(11) | .171(10) |
| | | r ₁ | a | 51 (54) | 56 (7) | 56 (6) | 54 (6) | 58 (6) |
| b | | | 132 (21) | 132 (5) | 136 (7) | 136 (5) | 137 (5) | 36 (1) |
| c | | | 67 (41) | 70 (5) | 65 (9) | 69 (10) | 64 (9) | 84 (55) |
| r ₂ | | a | .086(8) | .135(8) | .155(8) | .163(8) | .172(9) | .181(10) |
| | | b | 65 (69) | 53 (11) | 82 (14) | 69 (10) | 70 (10) | 93 (31) |
| | | c | 97 (65) | 94 (10) | 114 (12) | 100 (9) | 107 (9) | 84 (43) |
| r ₃ | | a | 154 (87) | 143 (10) | 154 (10) | 156 (11) | 153 (9) | 174 (51) |
| | | b | .109(7) | .163(7) | .178(7) | .209(8) | .216(8) | .238(9) |
| | | c | 49 (13) | 55 (9) | 145 (7) | 44 (6) | 39 (6) | 35 (7) |
| 03B | | rms | .066(11) | .085(10) | .119(9) | .128(10) | .139(10) | .164(10) |
| | | r ₁ | a | 96 (23) | 97 (9) | 114 (21) | 86 (19) | 81 (17) |
| | b | | 80 (10) | 63 (5) | 74 (15) | 55 (5) | 61 (4) | 72 (23) |
| | c | | 12 (16) | 28 (5) | 29 (11) | 36 (7) | 31 (9) | 22 (17) |
| | r ₂ | a | .085(8) | .127(7) | .135(8) | .150(9) | .163(9) | .171(10) |
| | | b | 173 (22) | 167 (11) | 144 (17) | 15 (7) | 17 (11) | 160 (39) |
| | | c | 88 (17) | 103 (11) | 124 (10) | 81 (12) | 82 (9) | 109 (22) |
| | r ₃ | a | 97 (23) | 91 (10) | 102 (21) | 101 (16) | 105 (16) | 95 (62) |
| | | b | .105(7) | .156(7) | .185(7) | .230(8) | .239(8) | .263(9) |
| | | c | 94 (16) | 79 (11) | 65 (6) | 76 (4) | 76 (5) | 74 (5) |

rms: root mean square amplitude (Å).
 Errors in parentheses are one standard deviation.
 a, b, c represent angles (ρ°) of r_i with cell edges a, b, c, respectively.

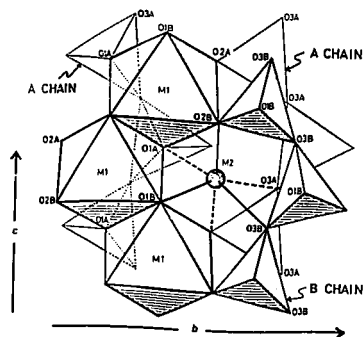


Fig. 1. Projection along a^* of part of the orthoferrosilite structure.

define N (negative) and P (positive) orientations as shown in Figure 3. In the N configuration (Fig. 3a), the basal triangles of the lateral tetrahedral chains point opposite to the triangles of the octahedra to which they are joined through common $O2$ oxygen atoms. In Figure 3c the orientations are both P , and in Figure 3b one of each type is shown.² One aspect of N and P orientations is that the combinations $\frac{N}{N}$, $\frac{P}{P}$, and $\frac{P}{N}$ result in different geometries and size limitations for the $M2$ site. Although in ideal structures the $M2$ site is octahedral, the $\frac{P}{N}$ configuration is the most stable because tetrahedra and octahedra do not share edges, and they adjust their shape and position relatively independently from each other. In the $\frac{P}{N}$ and $\frac{N}{N}$ configurations, one and two edges are shared, respectively. Each N occurring in this notation thus indicates an edge shared between an octahedron and a tetrahedron. Because of constraints due to edge-sharing, $M2$ sites in real structures with $\frac{P}{N}$ relationships are able to accept larger cations and, consequently, have larger volumes.

In order to preserve close-packing relationships in the ideal structures, only combinations of O with P and S with N are possible. For example, a chain with O orientation could not be attached to the upper side

² J. J. Papko, C. T. Prewitt, S. Sueno, and M. Cameron (1973) reviewed and discussed the topological differences of pyroxenes of several different space group symmetries using "ideal" models. In that paper symbols such as $\frac{N}{N}$ were introduced to describe the variations of the oxygen configuration around the $M2$ site in the various pyroxene structures.

of the octahedra in Figure 3a without violating the close packing arrangement [Thompson's (1970) parity violation]. However, in real silicate structures distortions permit parity violations to occur, and the *Pbea* orthopyroxene structure has a combination of O and N rotations (Fig. 4c).

"I-beam" diagrams for $C2/c$, $P2_1/c$, and *Pbea* silicate pyroxenes with S , O , P , and N symbolism for describing the rotational modes of tetrahedral chains and the coordination of $M2$ sites are shown in Figure 4. Each "I-beam" represents a tetrahedral-octahedral-tetrahedral unit in a real pyroxene structure. The (+) or (-) refers to the "skew" or "tilt" direction of the $M1$ octahedra. The $C2/c$ model has the octahedral sequence +, +, +, ... and the tetrahedral chains all have O and P rotations. $C2/c$ symmetry is also compatible with S and N rotations, but this results in the $M2$ octahedron sharing two edges. The octahedral stacking sequence in the $P2_1/c$ model is +, +, +, ..., but there are two crystallographically distinct tetrahedral chains; these chains occur in combinations of S - N and O - P rotation. The octahedral stacking sequence of the *Pbea* model is +, +, -, -, +, +, ..., and two symmetrically distinct chains, the *A* and *B* chains, are O rotated with both P and N combinations.

Thermal structural expansion in orthoferrosilite

Mean Si-O bond lengths (Table 4, Fig. 5) and volumes (Table 9) of both the SiA and SiB tetrahedra decrease slightly with increasing temperature. The changes are regular, and over the temperature inter-

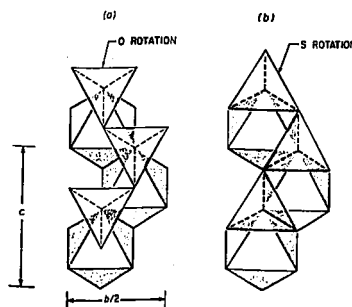


Fig. 2. Portion of the pyroxene structure showing O and S orientations of the tetrahedral chains (after Thompson, 1970).

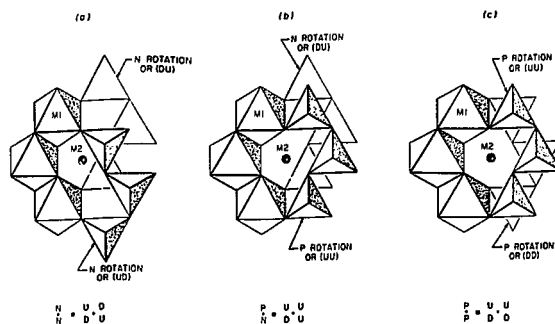


FIG. 3. a. $\frac{2}{\sqrt{3}}$ tetrahedral chain configuration around the $M2$ site. Note that the tetrahedra and $M2$ octahedron share two edges.
 b. $\frac{1}{\sqrt{3}}$ tetrahedral chain configuration around the $M2$ site. Note that the tetrahedra and $M2$ octahedron share one edge.
 c. $\frac{1}{\sqrt{3}}$ tetrahedral chain configuration around the $M2$ site. Note that the tetrahedra and $M2$ octahedron do not share edges.

val studied the decreases are approximately equal to four times the standard deviation of the mean Si-O bond length at room temperature. The decrease observed is larger for the larger SiB tetrahedra (0.012\AA vs 0.007\AA), thus reducing the size difference between the two tetrahedra. This is consistent with other pyroxenes where the larger silicate tetrahedra occur in the more kinked chains. The $O3-O3$ dis-

tances behave differently in the two chains: a decrease of 0.05\AA is observed in the larger SiB tetrahedron and an increase of 0.029\AA occurs in the SiA tetrahedron. These contrasting changes, coupled with different rates of straightening of the A and B chains, are important in maintaining the fit between the silicate chains and octahedral strips with increasing temperature.

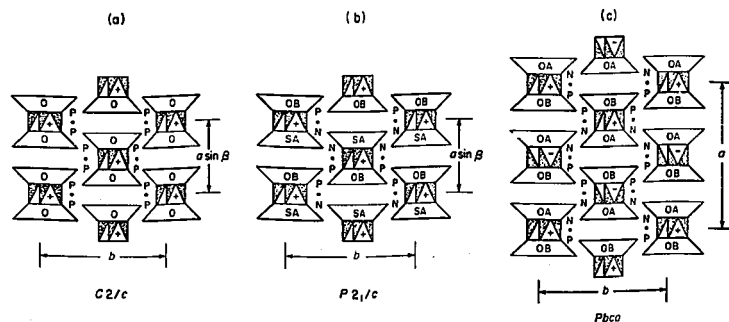


FIG. 4. "I-beam" diagrams of three pyroxene structural types with N and P symbolism. See text of paper for explanation.

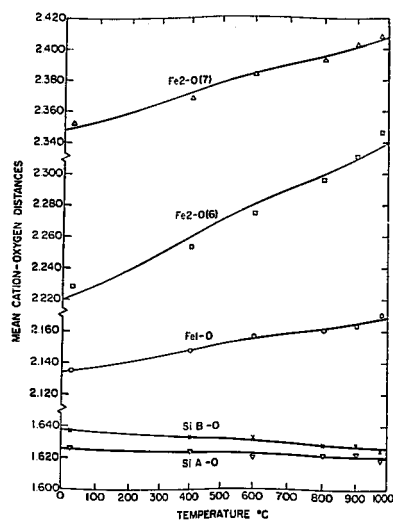


FIG. 5. Variation of mean cation-oxygen distances in orthoferrosilite with increasing temperature.

The Fe1 and Fe2 polyhedra both expand significantly with increasing temperature (Tables 6, 9, and Fig. 5). At room temperature Fe1 is coordinated by four oxygens within 2.125 Å and by two at approximately 2.195 Å. With increasing temperature this coordination is maintained, but the two longest bonds, Fe1-O1A and Fe1-O1B, exhibit slightly higher rates of increase (Fig. 6). Changes in individual bond lengths result in Fe1-O1A' and Fe1-O1B' becoming almost equivalent at temperatures close to 980°C.

TABLE 9. Cation Polyhedral Volume Expansion in Orthoferrosilite

| | 24°C | 490°C | 690°C | 870°C | 957°C | 980°C | %EC* |
|-----|--------|--------|--------|--------|---------|--------|---------|
| Fe1 | 12.804 | 13.039 | 13.189 | 13.279 | 13.3118 | 13.432 | 5.3133 |
| Fe2 | 16.851 | 17.240 | 17.569 | 17.837 | 18.074 | 18.175 | 8.4933 |
| SiA | 2.182 | 2.180 | 2.165 | 2.174 | 2.177 | 2.162 | -3.671 |
| SiB | 2.233 | 2.221 | 2.216 | 2.199 | 2.198 | 2.187 | -2.0736 |

* See text of paper for explanation.

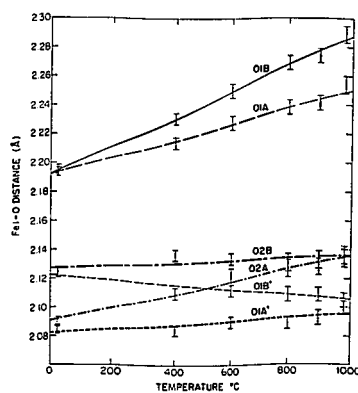


FIG. 6. Variation of individual Fe1-O distances in orthoferrosilite with increasing temperature.

The same is true for the Fe1-O2A and Fe1-O2B bonds.

At room temperature the Fe2 cation is coordinated by six oxygens in a very distorted octahedral arrangement: O1A, O1B, O2A, O2B are within 2.16 Å, O3A is at 2.46 Å, and O3B at 2.60 Å. The next nearest oxygen, O3B' is at 3.10 Å. With increasing temperature, the four short bonds remain relatively constant. However, as a result of the behavior of the three O3 atoms, the coordination number of the Fe2 cation (arbitrarily chosen as the number of oxygen atoms less than 3.00 Å distant) changes from six at 24°C to seven between 600° and 800°C, and back to six at higher temperatures. The change in coordination is related to the thermal expansion of the Fe2 polyhedron and the concomitant straightening of the tetrahedral chains with increasing temperature (Fig. 7). As the B tetrahedral chain straightens, O3B' moves closer to, and O3B further from, Fe2. At approximately 675°C the two O3B oxygens are at an equal distance from Fe2, and angle O3B-O3B-O3B approximates 151°. Continued unkinking of the B chain moves O3B out of the coordination sphere of Fe2. The A chain, because of its configuration and disposition with respect to the Fe2 site at 24°C, behaves in a slightly different manner with increasing temperature. The same O3A atom remains bonded to Fe2 even at 980°C where the A chain becomes almost

fully extended; the second O3A atom does not enter the coordination sphere over the temperature range studied. In orthoferrosilite, the mean thermal expansion coefficient of the mean Fe-O distances (Table 6) is smaller than that of the Fe2 polyhedron (both as six- and seven-coordinated). The values of the coefficients calculated for mean Fe-O and Fe2-O bonds in orthoferrosilite are significantly larger than that obtained for the six-coordinated Fe²⁺-O bond in

the C2/c hedenbergite structure ($1.05 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$; Cameron *et al.*, 1973).

Tetrahedral chain kinking and tilting

The variation with increasing temperature of the O3-O3-O3 angles of six end-member clinopyroxenes and of the A and B chains in orthoferrosilite and pigeonite are plotted in Figure 7. Both chains in orthoferrosilite straighten with increasing temperature, and at 980°C the A chain is almost completely extended. Throughout the temperature range studied, the B chain (P rotated) remains more kinked than the A chain. The rate of straightening of both chains is greater at higher temperatures. In addition, the tetrahedral chains in orthoferrosilite show a much larger absolute change than those of the C2/c pyroxenes.

The O3-O3-O3 angle in the A chain (Fig. 7) is plotted above 180° and that of the B chain below 180°, to maintain the analogy with the A and B chains in low clinopyroxene despite the fact that both chains are O-rotated in the Pbcn pyroxene structure (Thompson, 1970; Papike *et al.*, 1973). Figure 7 helps to show how the A and B tetrahedral chains of the Pbcn or P2₁/c pyroxenes approach symmetrically equivalent chain angles with increasing temperature and, therefore, the manner in which the M2 coordination changes from $\frac{6}{6}$ to $\frac{7}{6}$ above 980°C.

Thermal expansion of unit cell parameters

The unit-cell parameters of the Pbcn orthoferrosilite of this study (Table 1) increase regularly with increasing temperature. Assuming linear expansion rates, the mean thermal expansion coefficients, MTEC, decrease in the order $\alpha_c > \alpha_a > \alpha_b$ (Table 10). This order differs from that determined for the C2/c and P2₁/c pyroxene structures: $\alpha_b > \alpha_{a100} > \alpha_c$ for C2/c clinopyroxenes (Cameron *et al.*, 1973) and $\alpha_c > \alpha_b > \alpha_{a100}$ for P2₁/c clinopyroxenes (Smyth, 1974a; Ohashi, 1973).*

The c axes of both the Pbcn and the P2₁/c pyroxenes expand at higher rates than do the c axes of the C2/c pyroxenes. This behavior is related largely to the different magnitudes of straightening or extension of the tetrahedral chains in the three types of structures. The O3-O3-O3 angles in the tetrahedral chains of Pbcn orthopyroxenes and P2₁/c clinopyroxenes approach 180° at a rate of 0.6° to

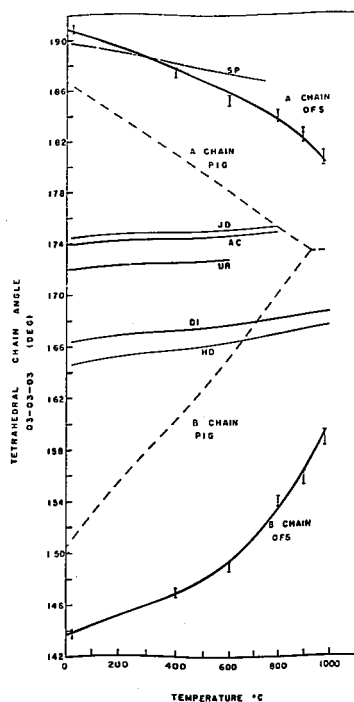


Fig. 7. Variation with increasing temperature of the O3-O3-O3 angles of six end-member clinopyroxenes and of the A and B chains in orthoferrosilite and pigeonite.

* For direct comparison between the orthorhombic and monoclinic systems, the MTEC along a^* was used because this direction is perpendicular to the octahedral layers.

TABLE 10. Mean Thermal Expansion Coefficients ($\times 10^{-4}$) of Pyroxene Cell Parameters

| | Pbca | | |
|---|---|--|---|
| | Orthoferrosillite ¹ FeSiO ₃ (24°-930°C) | Ferrosilperthene ² Ca _{0.015} Fe _{0.305} Si _{0.685} O ₃ (20°-850°C) | Bronzite ³ Mg _{0.8} Fe _{0.2} SiO ₃ (25°-1000°C) |
| a | 0.112 | 0.135 | 0.164 |
| b | 0.103 | 0.145 | 0.145 |
| c | 0.168 | 0.154 | 0.168 |
| v | 0.393 | 0.438 | 0.477 |

| | C2/c | |
|------------------|---|--|
| | Dipsosite ⁴ Ca _{0.95} Si _{0.05} O ₃ (24°-100°C) | Redberglite ⁵ CaFeSi ₂ O ₆ (24°-1000°C) |
| a | 0.075 | 0.072 |
| b | 0.205 | 0.176 |
| c | 0.065 | 0.060 |
| d ₁₀₀ | 0.051 | 0.048 |
| v | 0.332 | 0.298 |

| | P2 ₁ /c | |
|------------------|---|--|
| | Ferrosilite ⁶ Ca _{0.15} Fe _{0.25} SiO ₃ (24°-500°C) | Clinohypersthene ⁷ Ca _{0.015} Fe _{0.305} Si _{0.685} O ₃ (20°-700°C) |
| a | 0.189 | 0.162 |
| b | 0.133 | 0.104 |
| c | 0.152 | 0.138 |
| d ₂₀₀ | 0.089 | 0.093 |
| v | 0.376 | 0.337 |

¹ See text of paper for explanation.

² Present study.

³ Smith (1973).

⁴ Frisillo and Buljan (1972).

⁵ Cameron et al. (1973).

⁶ Ohashi (1973).

⁷ Smyth (1974).

1.0° (mean of A and B chains) per 100°C temperature increase, but those of the C2/c pyroxenes change only about 0.1° to 0.2° per 100°C.

The MTEC of the a cell edge (= d₁₀₀) in Pbca orthopyroxenes is larger than those of d₁₀₀ in P2₁/c and C2/c clinopyroxenes. It is conceivable that this difference is related to the different stacking sequences of pyroxene units in orthorhombic and monoclinic pyroxenes (Papike et al. 1973).

The MTEC of the unit cell volume of ferrosilite was compared to that of two other orthopyroxenes (Table 10). Frisillo and Buljan (1972) obtained X-ray data

TABLE 11. Rate of Increase of Isotropic Temperature Factors ($\times 10^{-3}$)

| Atom | $\Delta B/\Delta T$ | Atom | $\Delta B/\Delta T$ |
|------|---------------------|------|---------------------|
| Fe1 | 1.83 | O1A | 1.73 |
| Fe2 | 2.64 | O1B | 1.80 |
| | | O2A | 2.14 |
| SiA | 1.21 | O2B | 2.12 |
| SiB | 1.29 | O3A | 2.26 |
| | | O3B | 2.70 |

* Assuming linear expansion rates.

from a powder of composition Mg_{0.8}Fe_{0.2}SiO₃. Smyth (1973) studied a single crystal having the composition Ca_{0.015}Mg_{0.305}Fe_{0.685}SiO₃. There is an inverse correlation between Fe/Mg ratio and MTEC of the unit cell volume for the three orthopyroxenes. The most Fe-rich orthopyroxene has the smallest MTEC and the most Mg-rich orthopyroxene has the largest MTEC coefficient. Similar observations have been reported for other minerals (Cameron et al. 1973).

Equivalent isotropic temperature factors

The rate of increase of the equivalent isotropic temperature factors (Table 11) of both cations and anions is shown in Figure 8. The rates of increase for the four-coordinated Si atoms are significantly lower than those for the six-coordinated Fe1 and Fe2. The temperature factor for Fe2, initially larger than that for Fe1, also increases with increasing temperature at a significantly higher rate. Cameron et al. (1973) showed that the rate of increase of isotropic temperature factors of cations is proportional to coordination number and average M-O distances, and inversely proportional to charge on the cation and to electronegativity. Because both M sites in

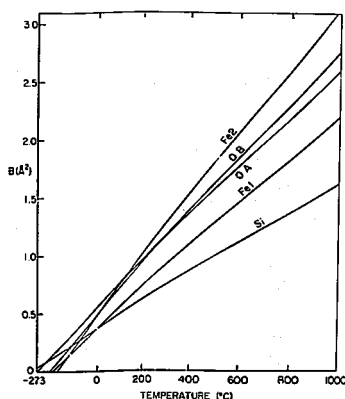


FIG. 8. Variation with increasing temperature of the equivalent isotropic temperature factors of cations and anions in orthoferrosillite. Values for oxygens of the A and B chains were averaged. The data points have been omitted to avoid overlap.

orthoferrosilite contain Fe^{2+} and because both are nominally six-coordinated, factors in addition to those listed above must be considered. The $\text{Fe}2$ polyhedron is considerably more distorted than the $\text{Fe}1$ polyhedron, and this distortion undoubtedly affects the rate of increased thermal vibration.

The rates of increase of the isotropic temperature factors of the oxygen atoms lie between those of $\text{Fe}1$ and $\text{Fe}2$. The relative rates determined for orthoferrosilite ($\text{O}3 > \text{O}2 > \text{O}1$) differ from those of the $C2/c$ pyroxenes ($\text{O}2 > \text{O}3 > \text{O}1$). The high rates of increase for the $\text{O}3$ atoms in the orthoferrosilite structure reflect their behaving as pivotal points during straightening of the tetrahedral chains. Furthermore, the rates of increase of the oxygens comprising the B chain, with one exception, are higher than those of the oxygens belonging to the A chain. This observation is probably related to the fact that the amount of straightening of the B chain is significantly greater than that of the A chain. Rates of increase of the isotropic temperature factors of Si atoms in the A and B chains and Fe^{2+} cations occupying $M1$ and $M2$ are greater than those in the $C2/c$ clinopyroxene structure (Cameron *et al.*, 1973).

Thermal ellipsoids

All atoms in the orthoferrosilite structure are located on the general positions and thus their associate thermal ellipsoids are not constrained either in orientation or shape. The ellipsoids of vibration of the $\text{Fe}1$ and $\text{Fe}2$ atoms (Table 8; Fig. 9) are both triaxial, that for $\text{Fe}2$ being larger. With increasing temperature, the rates of increase are similar for all axes with axes 2 and 3 of each ellipsoid increasing at slightly higher rates (Fig. 9). The short axes of both ellipsoids are oriented approximately parallel to the bonds involving apical oxygens, $\text{O}2A$ and $\text{O}2B$ of $\text{Fe}2$ and $\text{O}1A'$ and $\text{O}1B'$ of $\text{Fe}1$.

The ellipsoids for the two Si atoms and the six oxygen atoms are also triaxial, and their orientation varies with increasing temperature. In general, the long axes of the ellipsoids of the bridging $\text{O}3$ oxygens lie at large angles to the Si-O-Si planes.

The possibility of a displacive transition in the orthopyroxene structure

Ohashi and Finger (1973) discussed the possibility that a high-low phase transition could occur in the orthopyroxene structure. Because orthopyroxene is in many ways similar to $P2_1/c$ clinopyroxene, one could infer that transformation to a "high" structure is possible at high temperature as was observed in

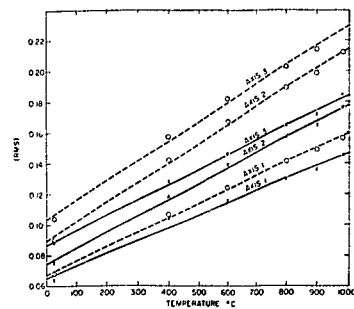


Fig. 9. Variation with increasing temperature of the magnitude of the three principal axes of the thermal ellipsoids of the $\text{Fe}2$ cation (open circles) and the $\text{Fe}1$ cation (crosses).

clinopyroxene ($P-C$ transition; Smyth, 1969; Prewitt, Brown, and Papike, 1971; Smyth and Burnham, 1972; Brown *et al.*, 1972). However, Ohashi and Finger found no evidence for such a transformation and concluded only that the space group of the "high" orthopyroxene would be $Pbca$ as in the "low" orthopyroxene with "regional" symmetry imposing non-space-group extinction conditions for reflections. The two distinct silicate chains present in the "low" orthopyroxene structure would be equivalent by the symmetry operation of "regional" 2-fold axes which arise after the hypothetical transition to the high structure.

Although the present study indicates that at a temperature near 1050°C the $\text{O}3\text{-O}3\text{-O}3$ angles of the A and B silicate chains (Fig. 7) and the volumes of the A and B tetrahedra (Tables 4 and 9) will be very similar, variations of individual Fe-O bond lengths with increasing temperature show that even the regional symmetry does not exist at high temperature. As shown in Figure 6, two sets of bonds, $\text{Fe}1\text{-O}1B'$ and $\text{O}1A'$ and $\text{Fe}1\text{-O}2A$ and $\text{O}1B$, became almost equivalent at high temperature but another set, $\text{Fe}1\text{-O}1A$ and $\text{Fe}1\text{-O}1B$, diverge with increasing temperature. The divergence of the latter bond lengths violates the regional 2-fold axes in the hypothetical "high" orthopyroxene structure, and suggests that orthoferrosilite would not have this high-low transition even if the $\text{O}3\text{-O}3\text{-O}3$ angles became equivalent.

Smyth (1974b) suggests another possibility for a phase transition in orthopyroxene. In a study of an

orthopyroxene crystal from lunar rock 76535, he noticed weak X-ray reflections which violated the *b* glide in space group *Pbca*. His conclusion was that the true space group of this pyroxene is *P2₁ca* and that this resulted from the ordering of cations into twice as many crystallographically different octahedral sites as in the *Pbca* structure. The occurrence of this space group was predicted by Thompson (1970) in his study of close-packed ideal models. Smyth called these two possible structures low and high orthopyroxene and proposed that there would be a phase transformation between them. In order to test whether the orthoferrosillite crystal used here might also have the *P2₁ca* space group, we refined the structure again using the 24°C data and a structure containing one set of atoms with the refined coordinates from Table 3 and one set related to the first set through an inversion center at 1/2 1/2 1/2. In the first few cycles of refinement the coordinates of set one were fixed and those of set two were allowed to vary. In subsequent cycles all coordinates were varied except for those of Fe1 in set one. The resulting model showed decreases in the weighted and unweighted *R*'s to 0.037 and 0.055, respectively. Although Hamilton's (1965) *R*-factor test indicates that this is a significant decrease in *R*, the temperature factors of twelve of the twenty atoms in the model refined to non-positive-definite values, and twenty correlation coefficients had magnitudes greater than 0.90. Furthermore, the refinement did not appear to be converging properly and the interatomic distances became unrealistic, with, e.g., Si-O distances greater than 1.80Å or less than 1.57Å.

From the experience related above, we conclude that it is not possible for us to either prove or disprove the existence of the space group *P2₁ca* within the scope of this investigation, even though our extensive effort to refine the structure in this space group using the normal criteria for acceptable results was unsuccessful. Perhaps further, more detailed work would provide a different answer.

Conclusions

1. The mean thermal expansion coefficients (MTEC) of the cell parameters of ferrosillite decrease in the order $\alpha_c > \alpha_a > \alpha_b$. The order for *C2/c* pyroxenes is $\alpha_b > \alpha_{100} > \alpha_c$ and for *P2₁/c* pyroxenes, $\alpha_c > \alpha_b > \alpha_{100}$.
2. A linear correlation exists between the MTEC of unit cell volume and Fe/Mg ratio in three orthopyroxenes of different compositions.
3. With increasing temperature, the mean Si-O bonds and tetrahedral volumes of both *SiA* and *SiB* tetrahedra decrease slightly. The observed decrease is larger for the larger *SiB* tetrahedron.
4. The Fe1 and Fe2 polyhedra both expand significantly with increasing temperature. The MTEC of the mean Fe1-O distance is smaller than that of the mean Fe2-O distance, but both are significantly larger than that for Fe²⁺-O bonds in the *C2/c* pyroxenes.
5. A new notation describing the direction of rotation (*N* or *P*) of tetrahedral chains, and the orientation between the tetrahedra and the *M2* octahedron is introduced.
6. *A* and *B* tetrahedral chains in orthoferrosillite show a much larger magnitude of stretching than those of the *C2/c* pyroxenes. The rate of increase of the stretching is larger at higher temperature for both chains.
7. With increasing temperature, the rates of increase of equivalent isotropic temperature factors for Si atoms are significantly lower than those for six-coordinated Fe²⁺ atoms in the *M1* and *M2* sites. The temperature factor for Fe²⁺ in the *M2* site is larger than that of Fe²⁺ in the *M1* site, and it increases at a significantly higher rate with increasing temperature.
8. Ohashi and Finger's (1973) hypothetical "high orthopyroxene" cannot form in orthoferrosillite even if the O3-O3-O3 angles of both *A* and *B* chains become equivalent at high temperature.
9. Although refinement in space group *P2₁ca* was unsuccessful, the possibility that this space group exists for certain orthopyroxenes has not been ruled out.

Acknowledgments

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| H | K | L | F (FPS) | F (CALC) | A (CALC) | R (CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|----------|----------|----------|---------|-------------|
| 4 | 0 | 0 | 190.011 | 195.631 | -195.631 | 0.0 | -5.620 | -1.874 |
| 6 | 0 | 0 | 32.281 | 33.592 | -33.592 | 0.0 | -1.311 | -1.343 |
| 8 | 0 | 0 | 103.560 | 113.901 | 113.901 | 0.0 | -10.342 | -6.316 |
| 10 | 0 | 0 | 14.967 | 11.190 | 11.190 | 0.0 | 3.777 | 2.003 |
| 12 | 0 | 0 | 308.342 | 303.739 | -303.739 | 0.0 | 2.402 | 0.535 |
| 14 | 0 | 0 | 50.528 | 50.633 | -50.633 | 0.0 | -0.105 | -0.081 |
| 16 | 0 | 0 | 201.180 | 204.187 | 204.187 | 0.0 | -3.007 | -0.921 |
| 18 | 0 | 0 | 17.281 | 20.877 | 20.877 | 0.0 | -3.696 | -1.337 |
| 20 | 0 | 0 | 208.189 | 207.548 | -207.548 | 0.0 | 0.641 | 0.188 |
| 22 | 0 | 0 | 22.259 | 23.337 | -23.337 | 0.0 | -1.079 | -0.441 |
| 24 | 0 | 0 | 22.854 | 16.679 | 16.679 | 0.0 | 5.915 | 2.539 |
| 26 | 0 | 0 | 45.284 | 46.499 | 46.499 | 0.0 | -1.115 | -0.664 |
| 26 | 1 | 0 | 53.513 | 51.095 | -51.095 | 0.0 | 2.418 | 1.502 |
| 24 | 1 | 0 | 15.811 | 21.924 | -21.924 | 0.0 | -6.113 | -1.694 |
| 27 | 1 | 0 | 38.567 | 41.450 | -41.450 | 0.0 | -1.673 | -0.956 |
| 20 | 1 | 0 | 22.637 | 23.826 | -23.826 | 0.0 | -1.189 | -0.527 |
| 18 | 1 | 0 | 67.205 | 67.312 | -67.312 | 0.0 | -0.107 | -0.079 |
| 14 | 1 | 0 | 139.875 | 138.128 | 138.128 | 0.0 | -1.253 | -0.567 |
| 0 | 6 | 0 | 381.937 | 405.108 | 405.108 | 0.0 | -23.171 | -3.343 |
| 10 | 1 | 0 | 41.747 | 40.617 | 40.617 | 0.0 | 1.130 | 1.075 |
| 6 | 1 | 0 | 252.863 | 266.756 | 266.756 | 0.0 | -7.123 | -1.686 |
| 4 | 1 | 0 | 14.734 | 9.414 | 9.414 | 0.0 | 5.320 | 3.693 |
| 2 | 1 | 0 | 84.745 | 84.967 | -84.967 | 0.0 | -0.223 | -0.169 |
| 0 | 2 | 0 | 15.171 | 13.245 | -13.245 | 0.0 | 1.926 | 1.521 |
| 2 | 2 | 0 | 8.261 | 2.908 | 2.908 | 0.0 | 5.353 | 2.258 |
| 4 | 2 | 0 | 191.760 | 195.744 | -195.744 | 0.0 | -3.784 | -1.246 |
| 6 | 2 | 0 | 20.031 | 19.206 | -19.206 | 0.0 | 0.826 | 0.675 |
| 8 | 2 | 0 | 89.151 | 88.484 | 88.484 | 0.0 | 0.666 | 0.459 |
| 10 | 2 | 0 | 32.499 | 33.532 | 33.532 | 0.0 | -1.033 | -0.854 |
| 12 | 2 | 0 | 15.374 | 14.244 | -14.244 | 0.0 | 1.131 | 0.492 |
| 14 | 2 | 0 | 9.301 | 3.666 | -3.666 | 0.0 | 5.714 | 1.494 |
| 16 | 2 | 0 | 88.337 | 86.980 | 86.980 | 0.0 | 1.357 | 0.874 |
| 18 | 2 | 0 | 19.588 | 19.876 | 19.876 | 0.0 | 0.112 | 0.051 |
| 20 | 2 | 0 | 32.762 | 30.500 | -30.500 | 0.0 | 1.962 | 1.235 |
| 22 | 2 | 0 | 23.648 | 25.493 | -25.493 | 0.0 | -1.546 | -0.668 |
| 24 | 2 | 0 | 42.515 | 46.811 | 46.811 | 0.0 | -3.906 | -2.021 |
| 26 | 2 | 0 | 19.202 | 17.982 | 17.982 | 0.0 | 1.220 | 0.441 |
| 26 | 3 | 0 | 12.450 | 18.044 | -18.044 | 0.0 | -5.594 | -1.286 |
| 0 | 6 | 0 | 380.192 | 405.108 | 405.108 | 0.0 | -24.917 | -3.613 |
| 24 | 3 | 0 | 5.076 | 4.309 | -4.309 | 0.0 | 0.767 | 0.109 |
| 22 | 3 | 0 | 15.782 | 16.138 | -16.138 | 0.0 | -0.356 | -0.113 |
| 18 | 3 | 0 | 16.455 | 16.617 | 16.617 | 0.0 | -0.122 | -0.062 |
| 14 | 3 | 0 | 38.828 | 37.158 | 37.158 | 0.0 | 1.671 | 1.169 |
| 12 | 3 | 0 | 14.181 | 13.295 | -13.295 | 0.0 | 0.887 | 0.324 |
| 8 | 3 | 0 | 8.828 | 7.905 | -7.905 | 0.0 | 0.923 | 0.330 |
| 6 | 3 | 0 | 52.050 | 50.506 | -50.506 | 0.0 | 1.544 | 1.552 |
| 4 | 3 | 0 | 25.497 | 28.796 | 28.796 | 0.0 | 0.701 | 0.740 |
| 2 | 3 | 0 | 30.619 | 29.047 | -29.047 | 0.0 | 1.572 | 1.634 |
| 0 | 4 | 0 | 26.904 | 26.628 | 26.628 | 0.0 | 0.276 | 0.278 |
| 2 | 4 | 0 | 12.205 | 11.563 | -11.563 | 0.0 | 0.741 | 0.411 |
| 4 | 4 | 0 | 77.811 | 79.811 | -79.811 | 0.0 | -2.100 | -1.638 |
| 8 | 4 | 0 | 57.876 | 56.235 | -56.235 | 0.0 | 1.641 | 1.400 |
| 10 | 6 | 0 | 44.288 | 46.222 | 46.222 | 0.0 | -1.934 | -1.576 |

Hand note

| H | K | L | F(OBS) | F(CALF) | F(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 12 | 4 | 0 | 6.385 | 16.013 | -16.013 | 0.0 | -9.629 | -1.784 |
| 0 | 6 | 0 | 382.170 | 405.108 | 405.108 | 0.0 | -22.938 | -3.308 |
| 16 | 4 | 0 | 69.466 | 70.770 | 70.770 | 0.0 | -1.274 | -0.894 |
| 18 | 4 | 0 | 7.068 | 1.071 | -1.071 | 0.0 | 5.997 | 1.231 |
| 20 | 4 | 0 | 49.066 | 49.296 | 49.296 | 0.0 | -0.190 | -0.134 |
| 22 | 4 | 0 | 30.794 | 30.573 | -30.573 | 0.0 | 0.221 | 0.113 |
| 24 | 4 | 0 | 23.773 | 27.646 | 27.646 | 0.0 | -3.873 | -1.343 |
| 26 | 4 | 0 | 13.352 | 16.388 | 16.388 | 0.0 | -3.036 | -0.751 |
| 24 | 5 | 0 | 5.105 | 5.801 | -5.801 | 0.0 | -0.696 | -0.102 |
| 22 | 5 | 0 | 44.639 | 43.659 | -43.659 | 0.0 | 0.980 | 0.633 |
| 20 | 5 | 0 | 34.438 | 35.207 | 35.207 | 0.0 | -0.769 | -0.422 |
| 18 | 5 | 0 | 26.890 | 27.876 | 27.876 | 0.0 | -1.014 | -0.574 |
| 14 | 5 | 0 | 239.600 | 237.257 | -237.257 | 0.0 | 2.343 | 0.595 |
| 12 | 5 | 0 | 23.991 | 25.672 | 25.672 | 0.0 | -1.680 | -0.861 |
| 10 | 5 | 0 | 5.236 | 1.824 | -1.824 | 0.0 | 3.412 | 0.609 |
| 8 | 5 | 0 | 20.323 | 21.033 | -21.033 | 0.0 | -0.711 | -0.357 |
| 6 | 5 | 0 | 182.557 | 187.278 | -187.278 | 0.0 | -4.721 | -1.626 |
| 4 | 5 | 0 | 14.283 | 9.116 | -9.116 | 0.0 | 5.167 | 2.651 |
| 2 | 5 | 0 | 220.533 | 232.308 | 232.308 | 0.0 | -11.375 | -3.193 |
| 0 | 6 | 0 | 381.316 | 405.108 | 405.108 | 0.0 | -23.792 | -3.435 |
| 2 | 6 | 0 | 20.730 | 22.671 | 22.671 | 0.0 | -1.941 | -1.034 |
| 0 | 6 | 0 | 380.075 | 405.108 | 405.108 | 0.0 | -25.033 | -3.631 |
| 4 | 6 | 0 | 106.732 | 110.608 | -110.608 | 0.0 | -3.876 | -2.223 |
| 6 | 6 | 0 | 23.931 | 22.936 | -22.936 | 0.0 | 0.996 | 0.496 |
| 8 | 6 | 0 | 142.825 | 142.951 | 142.951 | 0.0 | -0.874 | -0.378 |
| 10 | 6 | 0 | 17.717 | 15.267 | -15.267 | 0.0 | 2.450 | 1.033 |
| 12 | 6 | 0 | 164.888 | 164.606 | -164.606 | 0.0 | 0.282 | 0.106 |
| 14 | 6 | 0 | 36.514 | 39.778 | -39.778 | 0.0 | -0.264 | -0.186 |
| 16 | 6 | 0 | 106.345 | 107.692 | 107.692 | 0.0 | -1.347 | -0.723 |
| 18 | 6 | 0 | 25.710 | 22.890 | 22.890 | 0.0 | 2.820 | 1.456 |
| 20 | 6 | 0 | 179.157 | 179.462 | -179.462 | 0.0 | -0.305 | -0.103 |
| 24 | 6 | 0 | 11.330 | 7.892 | 7.892 | 0.0 | 3.438 | 0.783 |
| 22 | 7 | 0 | 22.346 | 24.539 | -24.539 | 0.0 | -2.193 | -0.768 |
| 20 | 7 | 0 | 4.799 | 3.393 | 3.393 | 0.0 | 1.406 | 0.201 |
| 18 | 7 | 0 | 17.310 | 16.924 | 16.924 | 0.0 | 0.385 | 0.120 |
| 16 | 7 | 0 | 24.355 | 23.953 | -23.953 | 0.0 | 0.403 | 0.200 |
| 14 | 7 | 0 | 61.007 | 60.238 | 60.238 | 0.0 | 1.669 | 1.223 |
| 12 | 7 | 0 | 15.666 | 11.381 | -11.381 | 0.0 | 4.284 | 1.636 |
| 10 | 7 | 0 | 84.553 | 85.031 | 85.031 | 0.0 | -0.478 | -0.314 |
| 8 | 7 | 0 | 7.301 | 9.168 | 9.168 | 0.0 | -1.867 | -0.415 |
| 6 | 7 | 0 | 39.149 | 39.810 | 39.810 | 0.0 | -0.661 | -0.467 |
| 4 | 7 | 0 | 379.785 | 405.108 | 405.108 | 0.0 | -25.323 | -3.485 |
| 2 | 7 | 0 | 45.427 | 49.318 | 49.318 | 0.0 | -3.891 | -2.895 |
| 0 | 8 | 0 | 70.774 | 23.270 | 23.270 | 0.0 | -2.496 | -1.106 |
| 0 | 8 | 0 | 58.916 | 60.804 | 60.804 | 0.0 | -1.888 | -1.431 |
| 2 | 8 | 0 | 34.001 | 36.005 | -36.005 | 0.0 | -2.004 | -1.348 |
| 4 | 8 | 0 | 99.544 | 99.998 | -99.998 | 0.0 | -0.453 | -0.265 |
| 8 | 8 | 0 | 42.602 | 42.250 | 42.250 | 0.0 | 1.352 | 1.006 |
| 10 | 8 | 0 | 42.215 | 42.080 | 42.080 | 0.0 | 0.134 | 0.095 |
| 12 | 8 | 0 | 48.306 | 48.285 | -48.285 | 0.0 | 0.021 | 0.015 |
| 14 | 8 | 0 | 2.341 | 2.544 | -2.544 | 0.0 | -0.203 | -0.026 |
| 16 | 8 | 0 | 80.607 | 80.352 | 80.352 | 0.0 | 0.555 | 0.345 |
| 18 | 8 | 0 | 5.963 | 1.722 | -1.722 | 0.0 | 4.241 | 0.667 |

| H | K | L | F(COR) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|----------|---------|---------|-------------|
| 20 | 8 | 0 | 23.525 | 21.856 | -21.856 | 0.0 | 1.669 | 0.659 |
| 22 | 8 | 0 | 17.368 | 14.288 | -14.288 | 0.0 | 3.091 | 0.909 |
| 18 | 9 | 0 | 1.891 | 12.510 | 12.510 | 0.0 | -10.619 | -1.054 |
| 12 | 9 | 0 | 8.043 | 3.728 | 3.728 | 0.0 | 4.315 | 0.913 |
| 10 | 9 | 0 | 12.047 | 7.326 | 7.326 | 0.0 | 5.720 | 1.937 |
| 0 | 6 | 0 | 390.618 | 405.108 | 405.108 | 0.0 | -24.490 | -2.550 |
| 8 | 9 | 0 | 25.185 | 28.128 | -28.128 | 0.0 | -2.942 | -1.486 |
| 4 | 9 | 0 | 10.428 | 11.442 | -11.442 | 0.0 | -1.014 | -0.252 |
| 2 | 9 | 0 | 9.032 | 12.670 | 12.670 | 0.0 | -3.638 | -0.913 |
| 0 | 10 | 0 | 71.569 | 73.288 | -73.288 | 0.0 | -1.719 | -1.135 |
| 2 | 10 | 0 | 13.119 | 17.990 | 17.990 | 0.0 | -4.870 | -1.378 |
| 4 | 10 | 0 | 13.352 | 12.634 | -12.634 | 0.0 | 0.718 | 0.207 |
| 6 | 10 | 0 | 8.174 | 0.778 | -0.778 | 0.0 | 7.396 | 1.589 |
| 8 | 10 | 0 | 42.098 | 43.634 | -43.634 | 0.0 | -1.537 | -0.975 |
| 12 | 10 | 0 | 30.022 | 28.807 | -28.807 | 0.0 | 0.214 | 0.103 |
| 14 | 10 | 0 | 5.032 | 0.423 | 0.423 | 0.0 | 4.609 | 0.653 |
| 18 | 10 | 0 | 13.803 | 9.009 | 9.009 | 0.0 | 4.794 | 1.244 |
| 14 | 11 | 0 | 149.811 | 146.951 | -146.951 | 0.0 | 2.861 | 1.109 |
| 10 | 11 | 0 | 14.647 | 12.873 | 12.873 | 0.0 | 1.774 | 0.500 |
| 6 | 11 | 0 | 124.547 | 123.123 | -123.123 | 0.0 | 1.425 | 0.662 |
| 4 | 11 | 0 | 22.026 | 26.021 | 26.021 | 0.0 | -2.996 | -1.061 |
| 0 | 6 | 0 | 391.141 | 405.108 | 405.108 | 0.0 | -23.967 | -2.471 |
| 2 | 11 | 0 | 118.586 | 116.392 | 116.392 | 0.0 | 2.195 | 1.068 |
| 0 | 12 | 0 | 141.682 | 137.607 | -137.607 | 0.0 | 4.075 | 1.659 |
| 2 | 12 | 0 | 9.541 | 12.218 | -12.218 | 0.0 | -2.677 | -0.504 |
| 4 | 12 | 0 | 15.651 | 11.535 | -11.535 | 0.0 | 4.115 | 1.224 |
| 6 | 12 | 0 | 5.890 | 9.126 | 9.126 | 0.0 | -3.236 | -0.485 |
| 8 | 12 | 0 | 47.020 | 44.571 | 44.571 | 0.0 | 2.449 | 1.496 |
| 10 | 12 | 0 | 12.348 | 13.220 | 13.220 | 0.0 | -0.872 | -0.207 |
| 12 | 12 | 0 | 61.012 | 59.823 | -59.823 | 0.0 | 1.189 | 0.744 |
| 6 | 13 | 0 | 16.189 | 13.412 | -13.412 | 0.0 | 2.778 | 0.773 |
| 4 | 13 | 0 | 8.712 | 5.098 | 5.098 | 0.0 | 3.613 | 0.868 |
| 2 | 13 | 0 | 53.415 | 50.105 | -50.105 | 0.0 | 3.510 | 2.050 |
| 6 | 13 | 1 | 18.683 | 21.575 | -21.575 | 0.0 | -2.592 | -0.758 |
| 5 | 13 | 1 | 6.443 | 4.049 | -4.049 | 0.0 | 2.393 | 0.373 |
| 4 | 13 | 1 | 17.222 | 16.959 | -16.959 | 0.0 | 0.264 | 0.077 |
| 3 | 13 | 1 | 23.933 | 19.863 | -19.863 | 0.0 | 4.070 | 1.616 |
| 2 | 13 | 1 | 16.611 | 18.088 | 18.088 | 0.0 | -1.476 | -0.409 |
| 1 | 13 | 1 | 20.512 | 18.008 | -18.008 | 0.0 | 2.503 | 0.860 |
| 0 | 12 | 1 | 11.257 | 11.959 | -11.959 | 0.0 | -0.702 | -0.162 |
| 1 | 12 | 1 | 14.007 | 7.783 | -7.783 | 0.0 | 6.724 | 1.753 |
| 0 | 6 | 0 | 380.265 | 405.108 | 405.108 | 0.0 | -24.839 | -3.602 |
| 3 | 12 | 1 | 8.334 | 8.079 | 8.079 | 0.0 | 0.254 | 0.046 |
| 5 | 12 | 1 | 13.920 | 9.020 | -9.020 | 0.0 | 4.899 | 1.331 |
| 7 | 12 | 1 | 14.734 | 7.869 | -7.869 | 0.0 | 6.866 | 1.934 |
| 8 | 12 | 1 | 15.753 | 11.724 | -11.724 | 0.0 | 4.029 | 1.306 |
| 10 | 12 | 1 | 8.683 | 1.133 | -1.133 | 0.0 | 7.550 | 1.399 |
| 11 | 12 | 1 | 7.432 | 2.610 | -2.610 | 0.0 | 4.821 | 0.839 |
| 15 | 11 | 1 | 3.839 | 16.201 | -16.201 | 0.0 | -12.362 | -1.455 |
| 14 | 11 | 1 | 26.555 | 33.413 | 33.413 | 0.0 | -4.848 | -1.849 |
| 13 | 11 | 1 | 15.127 | 14.462 | -14.462 | 0.0 | 0.665 | 0.183 |
| 11 | 11 | 1 | 23.089 | 22.499 | -22.499 | 0.0 | 0.589 | 0.219 |
| 10 | 11 | 1 | 20.177 | 19.977 | -19.977 | 0.0 | 0.200 | 0.065 |

| H | K | L | F(FRS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/STONA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 9 | 11 | 1 | 23.380 | 23.450 | -23.450 | 0.0 | -0.070 | -0.026 |
| 8 | 11 | 1 | 17.979 | 13.752 | 13.752 | 0.0 | 4.227 | 1.482 |
| 7 | 11 | 1 | 32.805 | 31.343 | -31.343 | 0.0 | 1.463 | 0.766 |
| 6 | 11 | 1 | 52.271 | 49.912 | 49.912 | 0.0 | 2.359 | 1.616 |
| 0 | 6 | 0 | 380.598 | 405.108 | 405.108 | 0.0 | -24.510 | -3.553 |
| 5 | 11 | 1 | 43.522 | 42.318 | -42.318 | 0.0 | 1.211 | 0.740 |
| 4 | 11 | 1 | 11.126 | 3.633 | 3.633 | 0.0 | 7.493 | 2.004 |
| 3 | 11 | 1 | 12.188 | 14.265 | 14.265 | 0.0 | -2.077 | -0.506 |
| 2 | 11 | 1 | 32.283 | 32.248 | -32.248 | 0.0 | 0.134 | 0.074 |
| 1 | 11 | 1 | 19.449 | 15.302 | -15.302 | 0.0 | 4.147 | 1.759 |
| 0 | 10 | 1 | 55.242 | 55.256 | 55.256 | 0.0 | 0.014 | 0.062 |
| 1 | 10 | 1 | 47.502 | 47.026 | -47.026 | 0.0 | 0.477 | 0.323 |
| 2 | 10 | 1 | 30.313 | 31.155 | 31.155 | 0.0 | -0.841 | -0.469 |
| 5 | 10 | 1 | 11.010 | 7.416 | -7.416 | 0.0 | 3.594 | 0.976 |
| 6 | 10 | 1 | 24.486 | 21.240 | 21.240 | 0.0 | 3.247 | 1.664 |
| 7 | 10 | 1 | 16.335 | 15.929 | 15.929 | 0.0 | 0.406 | 0.140 |
| 8 | 10 | 1 | 22.259 | 21.403 | 21.403 | 0.0 | 0.856 | 0.367 |
| 9 | 10 | 1 | 12.756 | 13.655 | 13.655 | 0.0 | -0.899 | -0.262 |
| 10 | 10 | 1 | 15.113 | 8.175 | 8.175 | 0.0 | 6.938 | 2.271 |
| 11 | 10 | 1 | 24.268 | 24.713 | 24.713 | 0.0 | -0.445 | -0.182 |
| 12 | 10 | 1 | 42.492 | 40.485 | -40.485 | 0.0 | 2.007 | 1.309 |
| 13 | 10 | 1 | 15.127 | 5.545 | 5.545 | 0.0 | 9.582 | 3.166 |
| 14 | 10 | 1 | 25.266 | 29.379 | 29.379 | 0.0 | -0.013 | -0.006 |
| 0 | 6 | 0 | 380.347 | 405.109 | 405.109 | 0.0 | -24.761 | -3.550 |
| 16 | 10 | 1 | 12.259 | 1.435 | 1.435 | 0.0 | 11.525 | 3.194 |
| 17 | 10 | 1 | 9.337 | 2.935 | -2.935 | 0.0 | 6.402 | 1.294 |
| 18 | 10 | 1 | 16.242 | 18.616 | 18.616 | 0.0 | -2.374 | -0.624 |
| 20 | 9 | 1 | 20.788 | 12.604 | 12.604 | 0.0 | 8.184 | 3.492 |
| 19 | 9 | 1 | 33.374 | 32.496 | 32.496 | 0.0 | 0.877 | 0.421 |
| 18 | 9 | 1 | 41.893 | 42.277 | 42.277 | 0.0 | -0.384 | -0.214 |
| 17 | 9 | 1 | 42.492 | 42.840 | 42.840 | 0.0 | -0.348 | -0.189 |
| 16 | 9 | 1 | 14.676 | 14.305 | -14.305 | 0.0 | 0.371 | 0.105 |
| 14 | 9 | 1 | 50.748 | 49.374 | 49.374 | 0.0 | 1.373 | 0.886 |
| 13 | 9 | 1 | 6.472 | 3.220 | 3.220 | 0.0 | 3.252 | 0.565 |
| 12 | 9 | 1 | 75.749 | 75.053 | -75.053 | 0.0 | 0.695 | 0.441 |
| 11 | 9 | 1 | 94.572 | 93.565 | -93.565 | 0.0 | 1.007 | 0.375 |
| 10 | 9 | 1 | 98.311 | 100.617 | 100.617 | 0.0 | -2.306 | -1.294 |
| 9 | 9 | 1 | 95.091 | 95.807 | 95.807 | 0.0 | -0.716 | -0.413 |
| 8 | 9 | 1 | 41.236 | 39.929 | -39.929 | 0.0 | 1.308 | 0.905 |
| 7 | 9 | 1 | 26.875 | 26.507 | -26.507 | 0.0 | 0.368 | 0.204 |
| 6 | 9 | 1 | 48.175 | 46.978 | 46.978 | 0.0 | 1.197 | 0.853 |
| 5 | 9 | 1 | 44.945 | 46.219 | 46.219 | 0.0 | -1.273 | -0.908 |
| 0 | 6 | 0 | 380.482 | 405.108 | 405.108 | 0.0 | -24.626 | -3.570 |
| 4 | 9 | 1 | 5.206 | 1.509 | -1.509 | 0.0 | 3.698 | 0.652 |
| 3 | 9 | 1 | 36.115 | 37.017 | 37.017 | 0.0 | -0.902 | -0.552 |
| 2 | 9 | 1 | 88.485 | 89.882 | 89.882 | 0.0 | -1.397 | -0.866 |
| 1 | 9 | 1 | 60.499 | 60.340 | -60.340 | 0.0 | 0.159 | 0.119 |
| 0 | 8 | 1 | 37.997 | 36.364 | -36.364 | 0.0 | 1.633 | 1.204 |
| 1 | 8 | 1 | 9.444 | 9.731 | 9.731 | 0.0 | -1.286 | -0.311 |
| 2 | 8 | 1 | 68.835 | 71.330 | 71.330 | 0.0 | -2.495 | -1.807 |
| 3 | 8 | 1 | 128.386 | 131.496 | 131.496 | 0.0 | -3.110 | -1.674 |
| 4 | 8 | 1 | 123.085 | 126.096 | 126.096 | 0.0 | -3.011 | -1.482 |
| 5 | 8 | 1 | 77.796 | 77.032 | 77.032 | 0.0 | 0.764 | 0.529 |

| H | K | L | F (OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 6 | 8 | 1 | 13.148 | 13.807 | -13.807 | 0.0 | -0.659 | -0.219 |
| 7 | 8 | 1 | 65.633 | 66.940 | 66.940 | 0.0 | -1.306 | -0.927 |
| 8 | 8 | 1 | 121.437 | 123.360 | 123.360 | 0.0 | -1.923 | -0.942 |
| 9 | 8 | 1 | 51.084 | 52.001 | -52.001 | 0.0 | -0.917 | -0.660 |
| 10 | 8 | 1 | 25.447 | 26.244 | 26.244 | 0.0 | -0.797 | -0.405 |
| 11 | 8 | 1 | 39.266 | 39.438 | -39.438 | 0.0 | -0.172 | -0.118 |
| 12 | 8 | 1 | 61.819 | 61.086 | -61.086 | 0.0 | 0.733 | 0.495 |
| 13 | 8 | 1 | 65.501 | 65.009 | 65.009 | 0.0 | 0.492 | 0.335 |
| 14 | 8 | 1 | 5.512 | 3.925 | -3.925 | 0.0 | 1.587 | 0.268 |
| 15 | 8 | 1 | 71.246 | 71.215 | 71.215 | 0.0 | 0.031 | 0.020 |
| 0 | 6 | 0 | 380.773 | 405.108 | 405.108 | 0.0 | -24.335 | -3.526 * |
| 16 | 8 | 1 | 70.334 | 71.911 | 71.911 | 0.0 | -1.576 | -0.975 |
| 17 | 8 | 1 | 46.625 | 44.337 | -44.337 | 0.0 | 2.288 | 1.374 |
| 18 | 8 | 1 | 37.603 | 38.356 | 38.356 | 0.0 | -0.753 | -0.410 |
| 19 | 8 | 1 | 30.357 | 34.482 | -34.482 | 0.0 | -4.125 | -1.803 |
| 20 | 8 | 1 | 49.300 | 50.619 | -50.619 | 0.0 | -1.318 | -0.812 |
| 21 | 8 | 1 | 10.923 | 7.707 | -7.707 | 0.0 | 3.216 | 0.715 |
| 22 | 7 | 1 | 21.225 | 12.267 | -12.267 | 0.0 | 8.958 | 3.620 |
| 21 | 7 | 1 | 9.561 | 2.332 | -2.332 | 0.0 | 7.229 | 1.516 |
| 19 | 7 | 1 | 29.016 | 30.376 | -30.376 | 0.0 | -1.360 | -0.580 |
| 17 | 7 | 1 | 5.628 | 2.111 | -2.111 | 0.0 | 3.517 | 0.591 |
| 16 | 7 | 1 | 27.705 | 25.537 | 25.537 | 0.0 | 2.168 | 1.191 |
| 15 | 7 | 1 | 12.465 | 12.802 | -12.802 | 0.0 | -0.337 | -0.099 |
| 14 | 7 | 1 | 7.403 | 4.656 | -4.656 | 0.0 | 2.747 | 0.371 |
| 13 | 7 | 1 | 17.761 | 15.993 | 15.993 | 0.0 | 1.768 | 0.727 |
| 12 | 7 | 1 | 20.497 | 21.877 | 21.877 | 0.0 | -1.380 | -0.561 |
| 11 | 7 | 1 | 29.060 | 26.382 | -26.382 | 0.0 | 2.678 | 1.626 |
| 10 | 7 | 1 | 19.813 | 16.161 | 16.161 | 0.0 | 3.652 | 1.818 |
| 0 | 6 | 0 | 381.490 | 405.108 | 405.108 | 0.0 | -23.618 | -3.409 * |
| 9 | 7 | 1 | 48.131 | 48.382 | 48.382 | 0.0 | -0.251 | -0.182 |
| 8 | 7 | 1 | 32.951 | 35.449 | 35.449 | 0.0 | -2.498 | -1.558 |
| 6 | 7 | 1 | 24.428 | 22.844 | 22.844 | 0.0 | 1.584 | 0.939 |
| 5 | 7 | 1 | 30.634 | 32.787 | 32.787 | 0.0 | -2.153 | -1.282 |
| 4 | 7 | 1 | 23.613 | 23.643 | 23.643 | 0.0 | -0.030 | -0.016 |
| 3 | 7 | 1 | 30.677 | 32.238 | -32.238 | 0.0 | -1.561 | -0.965 |
| 2 | 7 | 1 | 18.823 | 21.335 | 21.335 | 0.0 | -2.512 | -1.052 |
| 1 | 7 | 1 | 9.223 | 4.291 | 4.291 | 0.0 | 5.031 | 1.305 |
| 0 | 6 | 1 | 17.353 | 15.173 | 15.173 | 0.0 | 2.180 | 1.026 |
| 1 | 6 | 1 | 15.302 | 14.504 | -14.504 | 0.0 | 0.798 | 0.343 |
| 3 | 6 | 1 | 20.526 | 23.421 | 23.421 | 0.0 | -2.895 | -1.353 |
| 4 | 6 | 1 | 6.923 | 1.949 | 1.949 | 0.0 | 4.974 | 1.147 |
| 6 | 6 | 1 | 8.472 | 2.352 | 2.352 | 0.0 | -2.882 | -0.604 |
| 7 | 6 | 1 | 16.670 | 16.638 | 16.638 | 0.0 | 0.032 | 0.013 |
| 9 | 6 | 1 | 7.941 | 10.482 | 10.482 | 0.0 | -2.541 | -0.569 |
| 10 | 6 | 1 | 12.305 | 8.139 | 8.139 | 0.0 | 4.165 | 1.344 |
| 0 | 6 | 0 | 379.708 | 405.108 | 405.108 | 0.0 | -25.401 | -3.697 * |
| 11 | 6 | 1 | 9.003 | 10.367 | -10.367 | 0.0 | -1.365 | -0.351 |
| 12 | 6 | 1 | 17.266 | 19.211 | -19.211 | 0.0 | -1.945 | -0.805 |
| 13 | 6 | 1 | 1.614 | 11.468 | -11.468 | 0.0 | -9.854 | -1.156 |
| 14 | 6 | 1 | 18.270 | 16.093 | -16.093 | 0.0 | 2.177 | 0.984 |
| 15 | 6 | 1 | 2.046 | 11.536 | -11.536 | 0.0 | -2.489 | -0.563 |
| 16 | 6 | 1 | 8.144 | 2.080 | 2.080 | 0.0 | 6.064 | 1.315 |
| 18 | 6 | 1 | 8.508 | 4.145 | 4.145 | 0.0 | 4.363 | 0.923 |

| H | K | I | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DFLTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 20 | 6 | 1 | 18.721 | 15.689 | 15.689 | 0.0 | 3.033 | 1.069 |
| 21 | 6 | 1 | 2.836 | 4.550 | 4.550 | 0.0 | -1.714 | -0.197 |
| 24 | 6 | 1 | 4.174 | 2.892 | 2.892 | 0.0 | 1.282 | -0.178 |
| 25 | 5 | 1 | 28.681 | 31.089 | -31.089 | 0.0 | -2.408 | -0.939 |
| 23 | 5 | 1 | 11.315 | 9.239 | -9.239 | 0.0 | 2.077 | 0.473 |
| 22 | 5 | 1 | 11.228 | 7.996 | 7.996 | 0.0 | 3.232 | 0.758 |
| 21 | 5 | 1 | 40.332 | 40.464 | 40.464 | 0.0 | -0.133 | -0.076 |
| 20 | 5 | 1 | 16.771 | 10.967 | 10.967 | 0.0 | -5.804 | -2.078 |
| 0 | 6 | 0 | 381.782 | 405.108 | 405.108 | 0.0 | -23.326 | -3.366 |
| 19 | 5 | 1 | 2.516 | 10.196 | 10.196 | 0.0 | -7.680 | -0.922 |
| 18 | 5 | 1 | 25.782 | 29.588 | -29.588 | 0.0 | -3.805 | -1.762 |
| 17 | 5 | 1 | 17.630 | 16.184 | -16.184 | 0.0 | 1.446 | 0.571 |
| 16 | 5 | 1 | 28.040 | 29.433 | 29.433 | 0.0 | -1.393 | -0.708 |
| 15 | 5 | 1 | 34.803 | 34.870 | -34.870 | 0.0 | -0.068 | -0.043 |
| 14 | 5 | 1 | 75.645 | 74.277 | 74.277 | 0.0 | 1.368 | 0.968 |
| 13 | 5 | 1 | 32.193 | 32.542 | 32.542 | 0.0 | -0.349 | -0.222 |
| 12 | 5 | 1 | 7.475 | 4.704 | 4.704 | 0.0 | 2.771 | 0.617 |
| 10 | 5 | 1 | 38.878 | 39.523 | -39.523 | 0.0 | -1.044 | -0.723 |
| 9 | 5 | 1 | 47.634 | 45.967 | -45.967 | 0.0 | 1.667 | 1.358 |
| 8 | 5 | 1 | 36.246 | 35.593 | 35.593 | 0.0 | 0.654 | 0.482 |
| 7 | 5 | 1 | 62.303 | 62.212 | -62.212 | 0.0 | 0.091 | 0.073 |
| 6 | 5 | 1 | 62.215 | 61.805 | 61.805 | 0.0 | 0.410 | 0.333 |
| 5 | 5 | 1 | 75.395 | 76.532 | 76.532 | 0.0 | -1.137 | -0.849 |
| 4 | 5 | 1 | 30.511 | 31.128 | 31.128 | 0.0 | -0.218 | -0.182 |
| 3 | 5 | 1 | 40.186 | 40.464 | 40.464 | 0.0 | -0.307 | -0.291 |
| 2 | 5 | 1 | 75.587 | 78.619 | -78.619 | 0.0 | -3.033 | -2.314 |
| 1 | 5 | 1 | 11.228 | 11.351 | -11.351 | 0.0 | -0.123 | -0.068 |
| 0 | 4 | 1 | 12.261 | -12.050 | -12.050 | 0.0 | 0.211 | 0.108 |
| 0 | 6 | 0 | 380.831 | 405.108 | 405.108 | 0.0 | -24.277 | -3.518 |
| 1 | 4 | 1 | 52.401 | 56.904 | -56.904 | 0.0 | -4.503 | -4.275 |
| 2 | 4 | 1 | 77.000 | 79.865 | 79.865 | 0.0 | -2.865 | -2.235 |
| 3 | 4 | 1 | 42.492 | 44.592 | 44.592 | 0.0 | -2.100 | -2.115 |
| 4 | 4 | 1 | 52.870 | 55.226 | 55.226 | 0.0 | -1.358 | -1.244 |
| 5 | 4 | 1 | 87.065 | 87.299 | -87.299 | 0.0 | -0.234 | -0.163 |
| 6 | 4 | 1 | 27.953 | 28.655 | 28.655 | 0.0 | -0.702 | -0.542 |
| 7 | 4 | 1 | 38.828 | 39.034 | -39.034 | 0.0 | -0.205 | -0.178 |
| 8 | 4 | 1 | 6.759 | 9.134 | -9.134 | 0.0 | 0.625 | 0.200 |
| 9 | 4 | 1 | 7.403 | 5.531 | 5.531 | 0.0 | 1.871 | 0.466 |
| 10 | 4 | 1 | 5.000 | 8.319 | -8.319 | 0.0 | -3.228 | -0.594 |
| 11 | 4 | 1 | 16.553 | 15.164 | 15.164 | 0.0 | 1.389 | 0.561 |
| 12 | 4 | 1 | 9.774 | 10.664 | 10.664 | 0.0 | -0.891 | -0.221 |
| 13 | 4 | 1 | 18.401 | 14.471 | -14.471 | 0.0 | 3.930 | 1.875 |
| 14 | 4 | 1 | 31.610 | 33.070 | -33.070 | 0.0 | -1.460 | -0.911 |
| 15 | 4 | 1 | 13.483 | 14.650 | -14.650 | 0.0 | -1.167 | -0.363 |
| 16 | 4 | 1 | 48.072 | 49.554 | -49.554 | 0.0 | -1.481 | -1.045 |
| 17 | 4 | 1 | 37.399 | 37.548 | 37.548 | 0.0 | -0.149 | -0.097 |
| 18 | 4 | 1 | 31.843 | 32.726 | -32.726 | 0.0 | -0.883 | -0.509 |
| 19 | 4 | 1 | 13.658 | 15.038 | -15.038 | 0.0 | -1.380 | -0.392 |
| 20 | 4 | 1 | 9.614 | 9.715 | -9.715 | 0.0 | -0.101 | -0.024 |
| 0 | 6 | 0 | 380.809 | 405.108 | 405.108 | 0.0 | -24.199 | -3.506 |
| 21 | 4 | 1 | 17.295 | 18.621 | -18.621 | 0.0 | -1.326 | -0.452 |
| 22 | 4 | 1 | 40.069 | 39.247 | -39.247 | 0.0 | 0.822 | 0.461 |
| 23 | 4 | 1 | 45.252 | 44.331 | -44.331 | 0.0 | 0.921 | 0.548 |

| H | K | L | F (INBS) | F (CALC) | A (CALC) | R (CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|----------|----------|----------|----------|---------|-------------|
| 24 | 4 | 1 | 24.673 | 26.620 | -26.620 | 0.0 | -1.857 | -0.701 |
| 25 | 4 | 1 | 35.721 | 37.304 | -37.304 | 0.0 | -1.583 | -0.798 |
| 26 | 3 | 1 | 48.891 | 49.601 | -49.601 | 0.0 | -0.710 | -0.398 |
| 25 | 3 | 1 | 45.851 | 49.624 | -49.624 | 0.0 | -3.773 | -2.135 |
| 24 | 3 | 1 | 41.412 | 45.179 | 45.179 | 0.0 | -3.767 | -1.970 |
| 23 | 3 | 1 | 40.127 | 40.978 | -40.978 | 0.0 | -0.851 | -0.474 |
| 22 | 3 | 1 | 113.496 | 117.996 | -117.996 | 0.0 | -4.501 | -2.213 |
| 21 | 3 | 1 | 90.384 | 91.155 | -91.155 | 0.0 | -0.771 | -0.461 |
| 20 | 3 | 1 | 16.196 | 15.433 | 15.433 | 0.0 | -1.237 | -0.262 |
| 19 | 3 | 1 | 45.661 | 47.115 | -47.115 | 0.0 | -1.454 | -0.948 |
| 18 | 3 | 1 | 90.838 | 91.219 | -91.219 | 0.0 | -0.381 | -0.232 |
| 17 | 3 | 1 | 107.585 | 109.034 | -109.034 | 0.0 | -1.049 | -0.567 |
| 16 | 3 | 1 | 6.152 | 8.220 | -8.220 | 0.0 | -2.068 | -0.403 |
| 15 | 3 | 1 | 25.156 | 21.725 | -21.725 | 0.0 | 3.431 | 2.031 |
| 14 | 3 | 1 | 86.796 | 84.928 | 84.928 | 0.0 | 1.299 | 0.837 |
| 13 | 3 | 1 | 29.259 | 27.062 | -27.062 | 0.0 | 1.197 | 0.727 |
| 12 | 3 | 1 | 146.975 | 146.272 | -146.272 | 0.0 | 1.703 | 0.721 |
| 0 | 6 | 0 | 379.559 | 405.108 | 405.108 | 0.0 | -25.149 | -3.668 * |
| 11 | 3 | 1 | 223.225 | 219.709 | 219.709 | 0.0 | 3.515 | 6.172 |
| 10 | 3 | 1 | 238.485 | 235.027 | -235.027 | 0.0 | 3.458 | 0.667 |
| 9 | 3 | 1 | 175.943 | 174.196 | -174.196 | 0.0 | 0.747 | 0.269 |
| 8 | 3 | 1 | 63.711 | 64.350 | -64.350 | 0.0 | -0.639 | -0.538 |
| 7 | 3 | 1 | 66.162 | 64.829 | -64.829 | 0.0 | 1.333 | 1.135 |
| 6 | 3 | 1 | 210.789 | 208.682 | 208.682 | 0.0 | 2.107 | 0.622 |
| 5 | 3 | 1 | 173.778 | 172.547 | -172.547 | 0.0 | 1.031 | 0.375 |
| 4 | 3 | 1 | 44.084 | 41.045 | 41.045 | 0.0 | 3.039 | 3.105 |
| 3 | 3 | 1 | 43.981 | 50.524 | -50.524 | 0.0 | -6.542 | -6.892 |
| 2 | 3 | 1 | 169.937 | 182.192 | -182.192 | 0.0 | -12.255 | -6.579 * |
| 1 | 3 | 1 | 181.511 | 195.654 | -195.654 | 0.0 | -14.142 | -4.926 * |
| 0 | 2 | 1 | 63.227 | 67.777 | -67.777 | 0.0 | -4.551 | -6.249 |
| 1 | 2 | 1 | 21.764 | 22.724 | -22.724 | 0.0 | -0.961 | -0.815 |
| 2 | 2 | 1 | 125.480 | 128.312 | -128.312 | 0.0 | -2.832 | -1.448 |
| 3 | 2 | 1 | 153.096 | 155.554 | -155.554 | 0.0 | -2.458 | -1.930 |
| 4 | 2 | 1 | 156.250 | 159.168 | -159.168 | 0.0 | -2.918 | -1.190 |
| 5 | 2 | 1 | 134.421 | 136.494 | -136.494 | 0.0 | -1.874 | -0.891 |
| 6 | 2 | 1 | 14.240 | 15.210 | -15.210 | 0.0 | -0.970 | -0.635 |
| 7 | 2 | 1 | 109.820 | 105.878 | 105.878 | 0.0 | 2.943 | 1.700 |
| 8 | 2 | 1 | 123.901 | 122.728 | 122.728 | 0.0 | 1.173 | 0.400 |
| 0 | 6 | 0 | 380.424 | 405.108 | 405.108 | 0.0 | -24.684 | -3.579 * |
| 9 | 2 | 1 | 56.148 | 55.401 | -55.401 | 0.0 | 0.746 | 0.662 |
| 10 | 2 | 1 | 35.269 | 33.850 | -33.850 | 0.0 | 1.419 | 1.202 |
| 11 | 2 | 1 | 55.752 | 55.350 | -55.350 | 0.0 | 0.402 | 0.340 |
| 12 | 2 | 1 | 75.852 | 76.139 | -76.139 | 0.0 | -0.288 | -0.206 |
| 13 | 2 | 1 | 61.042 | 61.316 | -61.316 | 0.0 | -0.275 | -0.213 |
| 15 | 2 | 1 | 61.452 | 60.910 | 60.910 | 0.0 | 0.543 | 0.407 |
| 16 | 2 | 1 | 90.231 | 90.454 | -90.454 | 0.0 | -0.224 | -0.141 |
| 17 | 2 | 1 | 66.074 | 63.595 | -63.595 | 0.0 | 2.479 | 1.796 |
| 18 | 2 | 1 | 44.288 | 45.033 | -45.033 | 0.0 | -0.745 | -0.510 |
| 19 | 2 | 1 | 18.387 | 18.804 | -18.804 | 0.0 | -0.417 | -0.165 |
| 20 | 2 | 1 | 31.377 | 29.534 | -29.534 | 0.0 | 1.843 | 1.119 |
| 21 | 2 | 1 | 11.791 | 12.799 | -12.799 | 0.0 | -1.019 | -0.278 |
| 22 | 2 | 1 | 41.149 | 40.702 | 40.702 | 0.0 | 0.446 | 0.264 |
| 23 | 2 | 1 | 76.765 | 79.340 | -79.340 | 0.0 | -2.575 | -1.507 |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 24 | 2 | 1 | 61.305 | 61.506 | 63.506 | 0.0 | -2.201 | -1.328 |
| 25 | 2 | 1 | 54.874 | 58.237 | -58.237 | 0.0 | -3.363 | -1.868 |
| 26 | 2 | 1 | 28.200 | 30.718 | 30.718 | 0.0 | -2.517 | -0.982 |
| 26 | 1 | 1 | 28.973 | 30.521 | -30.521 | 0.0 | -1.549 | -0.699 |
| 0 | 6 | 0 | 378.320 | 405.108 | 405.108 | 0.0 | -25.788 | -3.755 |
| 25 | 1 | 1 | 22.142 | 21.089 | -21.089 | 0.0 | 1.053 | 0.402 |
| 23 | 1 | 1 | 10.457 | 2.449 | -2.449 | 0.0 | 7.988 | 1.881 |
| 22 | 1 | 1 | 10.690 | 2.643 | -2.643 | 0.0 | 8.047 | 2.072 |
| 21 | 1 | 1 | 26.860 | 28.752 | 28.752 | 0.0 | -1.892 | -0.277 |
| 20 | 1 | 1 | 5.425 | 11.457 | -11.457 | 0.0 | -6.032 | -0.978 |
| 19 | 1 | 1 | 14.953 | 10.426 | -10.426 | 0.0 | 4.527 | 1.620 |
| 18 | 1 | 1 | 20.832 | 18.535 | -18.535 | 0.0 | 5.297 | 2.736 |
| 17 | 1 | 1 | 12.697 | 10.365 | -10.365 | 0.0 | 2.332 | 0.778 |
| 16 | 1 | 1 | 39.310 | 40.949 | 40.949 | 0.0 | -1.639 | -1.208 |
| 15 | 1 | 1 | 33.441 | 33.660 | -33.660 | 0.0 | -0.198 | -0.127 |
| 14 | 1 | 1 | 51.289 | 52.667 | 52.667 | 0.0 | -1.378 | -1.047 |
| 13 | 1 | 1 | 34.832 | 34.378 | 34.378 | 0.0 | 0.454 | 0.318 |
| 12 | 1 | 1 | 12.145 | 7.173 | -7.173 | 0.0 | 4.972 | 1.818 |
| 11 | 1 | 1 | 21.851 | 19.158 | -19.158 | 0.0 | 2.693 | 1.697 |
| 10 | 1 | 1 | 30.594 | 30.617 | -30.617 | 0.0 | 0.337 | 0.293 |
| 9 | 1 | 1 | 8.130 | 4.496 | -4.496 | 0.0 | 3.634 | 1.249 |
| 8 | 1 | 1 | 48.406 | 47.556 | -47.556 | 0.0 | -1.150 | -1.157 |
| 7 | 1 | 1 | 54.581 | 54.470 | -54.470 | 0.0 | 0.111 | 0.108 |
| 6 | 1 | 1 | 64.415 | 65.044 | 65.044 | 0.0 | -0.628 | -0.571 |
| 0 | 6 | 0 | 390.773 | 405.108 | 405.108 | 0.0 | -24.335 | -3.526 |
| 5 | 1 | 1 | 92.600 | 91.521 | 91.521 | 0.0 | 1.079 | 0.736 |
| 4 | 1 | 1 | 56.675 | 54.701 | 54.701 | 0.0 | 1.973 | 1.953 |
| 3 | 1 | 1 | 11.766 | 7.640 | -7.640 | 0.0 | 4.126 | 2.233 |
| 2 | 1 | 1 | 44.859 | 47.606 | -47.606 | 0.0 | -0.747 | -0.811 |
| 1 | 1 | 1 | 12.348 | 8.604 | -8.604 | 0.0 | 3.745 | 2.361 |
| 0 | 0 | 2 | 33.826 | 32.556 | -32.556 | 0.0 | 1.270 | 1.383 |
| 1 | 0 | 2 | 136.330 | 136.504 | 136.504 | 0.0 | -0.174 | -0.081 |
| 2 | 0 | 2 | 189.006 | 185.209 | -185.209 | 0.0 | 3.797 | 1.267 |
| 3 | 0 | 2 | 205.323 | 207.245 | 207.245 | 0.0 | -2.022 | -0.617 |
| 4 | 0 | 2 | 14.298 | 14.861 | 14.861 | 0.0 | -0.563 | -0.349 |
| 5 | 0 | 2 | 266.786 | 260.968 | -260.968 | 0.0 | 5.818 | 1.317 |
| 6 | 0 | 2 | 5.526 | 5.835 | 5.835 | 0.0 | -0.208 | -0.081 |
| 7 | 0 | 2 | 214.407 | 210.014 | -210.014 | 0.0 | 4.393 | 1.275 |
| 8 | 0 | 2 | 7.330 | 2.725 | -2.725 | 0.0 | 4.605 | 1.353 |
| 9 | 0 | 2 | 200.071 | 197.018 | -197.018 | 0.0 | 3.053 | 0.950 |
| 10 | 0 | 2 | 22.768 | 20.326 | -20.326 | 0.0 | 2.442 | 1.497 |
| 11 | 0 | 2 | 253.341 | 249.742 | -249.742 | 0.0 | 3.599 | 0.862 |
| 12 | 0 | 2 | 31.217 | 30.980 | 30.980 | 0.0 | 0.237 | 0.155 |
| 13 | 0 | 2 | 74.070 | 74.889 | -74.889 | 0.0 | -0.819 | -0.586 |
| 14 | 0 | 2 | 8.424 | 1.908 | -1.908 | 0.0 | 6.716 | 1.576 |
| 0 | 6 | 0 | 380.463 | 405.108 | 405.108 | 0.0 | -24.645 | -3.573 |
| 15 | 0 | 2 | 112.150 | 111.572 | -111.572 | 0.0 | 0.578 | 0.309 |
| 16 | 0 | 2 | 11.432 | 3.855 | -3.855 | 0.0 | 7.576 | 2.422 |
| 17 | 0 | 2 | 110.791 | 112.037 | 112.037 | 0.0 | -1.246 | -0.662 |
| 18 | 0 | 2 | 49.256 | 50.172 | 50.172 | 0.0 | -0.916 | -0.652 |
| 19 | 0 | 2 | 78.106 | 78.037 | 78.037 | 0.0 | -0.068 | 0.045 |
| 20 | 0 | 2 | 4.305 | 6.642 | 6.642 | 0.0 | -2.337 | -0.365 |
| 21 | 0 | 2 | 55.899 | 58.909 | -58.909 | 0.0 | -3.010 | -1.939 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 22 | 0 | 2 | 99.529 | 99.685 | 99.685 | 0.0 | -0.156 | -0.085 |
| 23 | 0 | 2 | 154.718 | 157.189 | -157.189 | 0.0 | -2.471 | -0.949 |
| 24 | 0 | 2 | 6.704 | 12.872 | -12.872 | 0.0 | -6.168 | -0.906 |
| 25 | 0 | 2 | 58.477 | 61.190 | 61.190 | 0.0 | -2.714 | -1.610 |
| 26 | 0 | 2 | 31.494 | 32.703 | 32.703 | 0.0 | -1.300 | -0.534 |
| 26 | 1 | 2 | 19.483 | 13.237 | 13.237 | 0.0 | 6.256 | 2.589 |
| 25 | 1 | 2 | 30.517 | 28.992 | 28.992 | 0.0 | 1.525 | 0.748 |
| 24 | 1 | 2 | 37.136 | 35.220 | 35.220 | 0.0 | 1.917 | 1.133 |
| 23 | 1 | 2 | 52.723 | 54.947 | 54.947 | 0.0 | -2.225 | -1.334 |
| 22 | 1 | 2 | 20.177 | 17.804 | 17.804 | 0.0 | 2.373 | 0.926 |
| 21 | 1 | 2 | 23.685 | 20.832 | -20.832 | 0.0 | 2.853 | 1.342 |
| 20 | 1 | 2 | 21.582 | 22.556 | 22.556 | 0.0 | -0.974 | -0.266 |
| 19 | 1 | 2 | 20.177 | 16.213 | -16.213 | 0.0 | 3.964 | 1.918 |
| 0 | 6 | 0 | 380.909 | 405.108 | 405.108 | 0.0 | -24.199 | -3.506 |
| 18 | 1 | 2 | 11.432 | 10.400 | 10.400 | 0.0 | 1.032 | 0.278 |
| 17 | 1 | 2 | 87.449 | 88.318 | 88.318 | 0.0 | -0.869 | -0.549 |
| 16 | 1 | 2 | 56.865 | 57.045 | -57.045 | 0.0 | -0.180 | -0.138 |
| 15 | 1 | 2 | 25.825 | 26.244 | 26.244 | 0.0 | -0.419 | -0.351 |
| 14 | 1 | 2 | 14.705 | 7.123 | 7.123 | 0.0 | 7.582 | 2.961 |
| 12 | 1 | 2 | 129.064 | 129.207 | -129.207 | 0.0 | -0.143 | -0.068 |
| 11 | 1 | 2 | 112.599 | 111.785 | -111.785 | 0.0 | 0.813 | 0.442 |
| 10 | 1 | 2 | 9.208 | 0.830 | 0.830 | 0.0 | 8.378 | 2.534 |
| 9 | 1 | 2 | 82.043 | 81.634 | 81.634 | 0.0 | 0.409 | 0.292 |
| 8 | 1 | 2 | 70.364 | 71.759 | -71.759 | 0.0 | -1.395 | -1.104 |
| 7 | 1 | 2 | 44.200 | 43.903 | 43.903 | 0.0 | 0.298 | 0.283 |
| 6 | 1 | 2 | 16.044 | 13.422 | -13.422 | 0.0 | 2.622 | 1.638 |
| 5 | 1 | 2 | 116.416 | 113.910 | -113.910 | 0.0 | 2.503 | 1.359 |
| 4 | 1 | 2 | 44.712 | 39.019 | 39.019 | 0.0 | 5.693 | 5.694 |
| 3 | 1 | 2 | 63.007 | 65.442 | -65.442 | 0.0 | -2.435 | -2.214 |
| 2 | 1 | 2 | 16.320 | 14.289 | -14.289 | 0.0 | 2.031 | 1.501 |
| 1 | 1 | 2 | 62.347 | 62.875 | 62.875 | 0.0 | -0.528 | -0.487 |
| 0 | 2 | 2 | 6.574 | 2.727 | 2.727 | 0.0 | 3.847 | 1.303 |
| 1 | 2 | 2 | 32.047 | 35.887 | 35.887 | 0.0 | -3.840 | -3.874 |
| 0 | 6 | 0 | 379.862 | 405.108 | 405.108 | 0.0 | -25.246 | -3.663 |
| 3 | 2 | 2 | 76.323 | 74.918 | 74.918 | 0.0 | 1.405 | 1.109 |
| 4 | 2 | 2 | 26.581 | 23.521 | 23.521 | 0.0 | 1.461 | 1.254 |
| 5 | 2 | 2 | 31.275 | 31.001 | -31.001 | 0.0 | 0.274 | 0.248 |
| 6 | 2 | 2 | 68.582 | 65.561 | 65.561 | 0.0 | 3.021 | 2.839 |
| 7 | 2 | 2 | 100.599 | 100.523 | -100.523 | 0.0 | 0.076 | 0.066 |
| 8 | 2 | 2 | 26.390 | 25.431 | -25.431 | 0.0 | 0.959 | 0.686 |
| 9 | 2 | 2 | 76.470 | 76.115 | 76.115 | 0.0 | 0.355 | 0.259 |
| 10 | 2 | 2 | 33.141 | 33.136 | 33.136 | 0.0 | 0.005 | 0.003 |
| 11 | 2 | 2 | 24.253 | 25.402 | 25.402 | 0.0 | -1.148 | -0.597 |
| 12 | 2 | 2 | 12.494 | 10.307 | -10.307 | 0.0 | 2.187 | 0.703 |
| 13 | 2 | 2 | 46.599 | 44.564 | -44.564 | 0.0 | 1.944 | 1.478 |
| 14 | 2 | 2 | 28.558 | 27.339 | -27.339 | 0.0 | 1.619 | 0.983 |
| 15 | 2 | 2 | 52.825 | 54.492 | -54.492 | 0.0 | -1.667 | -1.199 |
| 16 | 2 | 2 | 10.515 | 11.241 | -11.241 | 0.0 | -0.726 | -0.195 |
| 17 | 2 | 2 | 22.885 | 22.775 | -22.775 | 0.0 | 0.109 | 0.057 |
| 18 | 2 | 2 | 55.079 | 52.901 | -52.901 | 0.0 | 2.178 | 1.653 |
| 19 | 2 | 2 | 56.250 | 58.738 | 58.738 | 0.0 | -2.488 | -1.606 |
| 20 | 2 | 2 | 13.105 | 13.376 | 13.376 | 0.0 | -0.272 | -0.089 |
| 21 | 2 | 2 | 23.089 | 20.123 | -20.123 | 0.0 | 2.966 | 1.340 |

| H | K | L | F(C/PC) | F(C/ALC) | A(C/ALC) | B(F/ALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|----------|----------|----------|---------|-------------|
| 0 | 6 | 0 | 379.572 | 405.108 | 405.108 | 0.0 | -25.536 | -3.717 |
| 22 | 2 | 2 | 22.754 | 22.684 | -22.684 | 0.0 | 0.070 | 0.030 |
| 23 | 2 | 2 | 8.406 | 9.387 | -9.387 | 0.0 | -0.981 | -0.184 |
| 25 | 2 | 2 | 22.870 | 23.771 | 23.771 | 0.0 | -0.901 | -0.342 |
| 26 | 3 | 2 | 7.679 | 5.713 | 5.713 | 0.0 | 1.966 | 0.348 |
| 24 | 3 | 2 | 11.141 | 6.220 | -6.220 | 0.0 | 4.921 | 1.135 |
| 19 | 3 | 2 | 8.203 | 7.337 | -7.337 | 0.0 | 0.865 | 0.159 |
| 22 | 3 | 2 | 5.192 | 5.365 | 5.365 | 0.0 | -0.174 | -0.026 |
| 20 | 3 | 2 | 9.308 | 7.782 | -7.782 | 0.0 | 1.526 | 0.346 |
| 19 | 3 | 2 | 7.839 | 12.080 | -12.080 | 0.0 | -4.241 | -0.819 |
| 18 | 3 | 2 | 13.267 | 5.758 | -5.758 | 0.0 | 7.608 | 2.641 |
| 17 | 3 | 2 | 6.690 | 13.865 | -13.865 | 0.0 | -7.175 | -1.330 |
| 16 | 3 | 2 | 8.063 | 7.954 | 7.954 | 0.0 | 0.089 | 0.020 |
| 12 | 3 | 2 | 5.352 | 14.261 | 14.261 | 0.0 | -8.909 | -1.587 |
| 11 | 3 | 2 | 18.314 | 11.465 | 11.465 | 0.0 | 6.849 | 2.180 |
| 0 | 6 | 0 | 379.901 | 405.108 | 405.108 | 0.0 | -25.207 | -3.657 |
| 10 | 3 | 2 | 8.857 | 5.315 | 5.315 | 0.0 | 3.542 | 0.522 |
| 9 | 3 | 2 | 7.534 | 12.222 | 12.222 | 0.0 | -4.688 | -1.053 |
| 8 | 3 | 2 | 14.021 | 15.133 | -15.133 | 0.0 | -1.112 | -0.437 |
| 7 | 3 | 2 | 12.465 | 13.645 | -13.645 | 0.0 | -1.181 | -0.443 |
| 6 | 3 | 2 | 9.221 | 12.127 | 12.127 | 0.0 | -2.906 | -0.908 |
| 5 | 3 | 2 | 26.190 | 26.078 | 26.078 | 0.0 | 0.113 | 0.087 |
| 4 | 3 | 2 | 43.324 | 40.993 | -40.993 | 0.0 | 2.331 | 2.280 |
| 3 | 3 | 2 | 31.231 | 29.250 | -29.250 | 0.0 | 1.981 | 1.812 |
| 2 | 3 | 2 | 5.017 | 1.930 | -1.930 | 0.0 | 3.087 | 0.778 |
| 0 | 4 | 2 | 27.006 | 27.230 | -27.230 | 0.0 | -0.224 | -0.183 |
| 1 | 4 | 2 | 35.555 | 36.388 | 36.388 | 0.0 | -0.834 | -0.397 |
| 2 | 4 | 2 | 66.667 | 69.656 | 69.656 | 0.0 | -2.789 | -2.285 |
| 3 | 4 | 2 | 34.438 | 33.437 | -33.437 | 0.0 | 1.001 | 0.937 |
| 4 | 4 | 2 | 8.101 | 8.647 | 8.647 | 0.0 | -0.547 | -0.159 |
| 5 | 4 | 2 | 17.252 | 20.014 | -20.014 | 0.0 | -2.762 | -1.309 |
| 6 | 4 | 2 | 37.238 | 35.589 | -35.589 | 0.0 | 1.650 | 1.346 |
| 7 | 4 | 2 | 45.667 | 47.070 | -47.070 | 0.0 | -1.624 | -1.120 |
| 8 | 4 | 2 | 7.912 | 6.855 | -6.855 | 0.0 | 1.056 | 0.253 |
| 9 | 4 | 2 | 7.555 | 5.507 | -5.507 | 0.0 | 2.649 | 0.577 |
| 0 | 6 | 0 | 379.843 | 405.108 | 405.108 | 0.0 | -25.265 | -3.676 |
| 10 | 4 | 2 | 15.578 | 15.145 | -15.145 | 0.0 | 0.433 | 0.158 |
| 11 | 4 | 2 | 25.229 | 23.779 | 23.779 | 0.0 | 1.450 | 0.778 |
| 13 | 4 | 2 | 7.126 | 10.658 | -10.658 | 0.0 | -3.532 | -0.734 |
| 14 | 4 | 2 | 29.075 | 27.402 | -27.402 | 0.0 | 1.673 | 1.007 |
| 15 | 4 | 2 | 13.469 | 10.909 | -10.909 | 0.0 | 2.559 | 0.867 |
| 16 | 4 | 2 | 12.537 | 13.591 | -13.591 | 0.0 | -1.453 | -0.425 |
| 17 | 4 | 2 | 18.037 | 17.476 | -17.476 | 0.0 | 0.561 | 0.223 |
| 18 | 4 | 2 | 29.113 | 27.511 | -27.511 | 0.0 | 0.602 | 0.323 |
| 19 | 4 | 2 | 12.596 | 17.136 | 17.136 | 0.0 | -4.541 | -1.219 |
| 20 | 4 | 2 | 8.843 | 8.105 | 8.105 | 0.0 | 0.738 | 0.157 |
| 21 | 4 | 2 | 13.439 | 0.406 | 0.406 | 0.0 | 13.034 | 4.054 |
| 22 | 4 | 2 | 18.867 | 18.636 | -18.636 | 0.0 | 0.231 | 0.073 |
| 24 | 4 | 2 | 12.625 | 1.594 | 1.594 | 0.0 | 11.031 | 2.950 |
| 25 | 4 | 2 | 9.512 | 8.382 | -8.382 | 0.0 | 1.120 | 0.219 |
| 23 | 5 | 2 | 51.845 | 51.356 | -51.356 | 0.0 | 0.489 | 0.288 |
| 22 | 5 | 2 | 22.594 | 20.903 | -20.903 | 0.0 | 1.690 | 0.667 |

| H | K | L | F(CRS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 21 | 5 | 2 | 51.581 | 48.541 | 48.541 | 0.0 | 3.040 | 2.018 |
| 0 | 6 | 0 | 381.025 | 405.108 | 405.108 | 0.0 | -24.083 | -3.489 |
| 20 | 5 | 2 | 26.977 | 21.625 | -21.625 | 0.0 | 5.352 | 2.916 |
| 19 | 5 | 2 | 40.404 | 42.874 | 42.874 | 0.0 | -2.469 | -1.397 |
| 18 | 5 | 2 | 11.577 | 14.142 | -14.142 | 0.0 | -2.564 | -0.627 |
| 17 | 5 | 2 | 92.334 | 91.007 | -91.007 | 0.0 | 1.326 | 0.799 |
| 16 | 5 | 2 | 20.424 | 28.458 | 28.458 | 0.0 | 0.966 | 0.530 |
| 15 | 5 | 2 | 56.441 | 58.875 | -58.875 | 0.0 | -2.434 | -1.462 |
| 14 | 5 | 2 | 12.759 | 10.775 | 10.775 | 0.0 | 2.024 | 0.647 |
| 13 | 5 | 2 | 66.511 | 65.691 | 65.691 | 0.0 | 1.220 | 0.874 |
| 12 | 5 | 2 | 87.480 | 96.383 | 96.383 | 0.0 | 1.097 | 0.644 |
| 11 | 5 | 2 | 104.021 | 100.527 | 100.527 | 0.0 | 3.024 | 1.722 |
| 10 | 5 | 2 | 10.588 | 1.148 | 1.148 | 0.0 | 9.440 | 2.846 |
| 9 | 5 | 2 | 157.262 | 155.269 | -155.269 | 0.0 | 1.293 | 0.514 |
| 8 | 5 | 2 | 90.038 | 89.675 | 89.675 | 0.0 | 0.363 | 0.232 |
| 7 | 5 | 2 | 73.967 | 75.100 | -75.100 | 0.0 | -1.122 | -0.802 |
| 6 | 5 | 2 | 9.104 | 6.669 | -6.669 | 0.0 | 2.435 | 0.639 |
| 5 | 5 | 2 | 99.244 | 99.192 | 99.192 | 0.0 | 0.245 | 0.209 |
| 4 | 5 | 2 | 7.432 | 11.681 | 11.681 | 0.0 | -4.249 | -0.967 |
| 3 | 5 | 2 | 152.179 | 156.681 | 156.681 | 0.0 | -4.502 | -1.852 |
| 2 | 5 | 2 | 19.247 | 17.567 | -17.567 | 0.0 | 1.780 | 0.899 |
| 1 | 5 | 2 | 75.071 | 78.101 | -78.101 | 0.0 | -3.029 | -2.237 |
| 0 | 6 | 0 | 380.133 | 405.108 | 405.108 | 0.0 | -24.975 | -3.622 |
| 0 | 6 | 2 | 13.294 | 4.532 | 4.532 | 0.0 | 8.762 | 3.187 |
| 1 | 6 | 2 | 55.474 | 55.108 | 55.108 | 0.0 | 0.367 | 0.291 |
| 2 | 6 | 2 | 136.865 | 143.526 | -143.526 | 0.0 | -6.661 | -3.022 |
| 3 | 6 | 2 | 158.520 | 164.596 | 164.596 | 0.0 | -6.076 | -2.385 |
| 4 | 6 | 2 | 12.654 | 10.376 | 10.376 | 0.0 | 2.078 | 0.655 |
| 5 | 6 | 2 | 128.703 | 130.259 | -130.259 | 0.0 | -2.256 | -1.085 |
| 6 | 6 | 2 | 5.177 | 0.044 | -0.044 | 0.0 | 5.134 | 0.917 |
| 7 | 6 | 2 | 120.926 | 123.319 | -123.319 | 0.0 | -2.392 | -1.207 |
| 8 | 6 | 2 | 12.596 | 15.115 | -15.115 | 0.0 | -2.519 | -0.784 |
| 9 | 6 | 2 | 149.332 | 150.014 | 150.014 | 0.0 | -1.682 | -0.698 |
| 10 | 6 | 2 | 35.470 | 39.093 | 39.093 | 0.0 | 0.377 | 0.312 |
| 11 | 6 | 2 | 135.271 | 134.280 | 134.280 | 0.0 | 0.991 | 0.445 |
| 12 | 6 | 2 | 16.131 | 13.854 | 13.854 | 0.0 | 2.177 | 0.850 |
| 13 | 6 | 2 | 48.920 | 47.883 | -47.883 | 0.0 | 1.037 | 0.739 |
| 14 | 6 | 2 | 78.032 | 76.926 | -76.926 | 0.0 | 1.106 | 0.722 |
| 15 | 6 | 2 | 10.777 | 14.211 | 14.211 | 0.0 | -3.434 | -0.823 |
| 16 | 6 | 2 | 62.552 | 62.782 | 62.782 | 0.0 | -0.230 | -0.151 |
| 17 | 6 | 2 | 26.336 | 22.631 | 22.631 | 0.0 | 3.705 | 1.817 |
| 18 | 6 | 2 | 67.145 | 68.234 | 68.234 | 0.0 | -1.088 | -0.679 |
| 0 | 6 | 0 | 380.724 | 405.108 | 405.108 | 0.0 | -24.374 | -3.532 |
| 21 | 6 | 2 | 51.247 | 50.123 | -50.123 | 0.0 | 1.224 | 0.782 |
| 22 | 6 | 2 | 71.069 | 69.313 | 69.313 | 0.0 | 1.756 | 1.076 |
| 23 | 6 | 2 | 108.030 | 110.122 | -110.122 | 0.0 | -2.093 | -1.032 |
| 22 | 7 | 2 | 23.744 | 23.438 | 23.438 | 0.0 | 0.306 | 0.120 |
| 21 | 7 | 2 | 17.135 | 21.376 | 21.376 | 0.0 | -4.240 | -1.147 |
| 19 | 7 | 2 | 6.675 | 5.791 | 5.791 | 0.0 | 0.885 | 0.142 |
| 17 | 7 | 2 | 18.401 | 12.787 | 12.787 | 0.0 | 5.615 | 2.031 |
| 16 | 7 | 2 | 23.296 | 24.119 | -24.119 | 0.0 | -0.823 | -0.259 |
| 15 | 7 | 2 | 12.494 | 12.801 | 12.801 | 0.0 | -0.307 | -0.085 |
| 14 | 7 | 2 | 10.486 | 5.821 | -5.821 | 0.0 | 4.665 | 1.197 |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 13 | 7 | 2 | 30.721 | 30.919 | 30.919 | 0.0 | -0.198 | -0.116 |
| 12 | 7 | 2 | 59.017 | 58.465 | -58.465 | 0.0 | 0.553 | 0.389 |
| 11 | 7 | 2 | 15.127 | 16.524 | -16.524 | 0.0 | -1.397 | -0.453 |
| 10 | 7 | 2 | 6.704 | 7.955 | -7.955 | 0.0 | -1.251 | -0.245 |
| 9 | 7 | 2 | 13.061 | 3.708 | 3.708 | 0.0 | 9.353 | 3.402 |
| 8 | 7 | 2 | 15.137 | 56.770 | -56.770 | 0.0 | -1.633 | -1.253 |
| 7 | 7 | 2 | 38.790 | 38.527 | -38.527 | 0.0 | 0.272 | 0.196 |
| 0 | 6 | 0 | 382.112 | 405.108 | 405.108 | 0.0 | -22.997 | -3.317 * |
| 5 | 7 | 2 | 12.901 | 11.794 | 11.794 | 0.0 | 1.107 | 0.368 |
| 4 | 7 | 2 | 28.215 | 33.416 | -33.416 | 0.0 | -5.201 | -2.926 |
| 3 | 7 | 2 | 17.368 | 21.699 | -21.699 | 0.0 | -4.331 | -1.644 |
| 2 | 7 | 2 | 13.978 | 7.378 | -7.378 | 0.0 | 6.600 | 2.439 |
| 1 | 7 | 2 | 8.726 | 11.028 | -11.028 | 0.0 | -2.302 | -0.551 |
| 0 | 8 | 2 | 12.014 | 4.178 | -4.178 | 0.0 | 7.835 | 2.707 |
| 1 | 8 | 2 | 51.874 | 53.683 | -53.683 | 0.0 | -1.809 | -1.330 |
| 2 | 8 | 2 | 21.574 | 19.849 | 19.849 | 0.0 | 1.725 | 0.353 |
| 3 | 8 | 2 | 44.405 | 43.636 | 43.636 | 0.0 | 0.769 | 0.566 |
| 4 | 8 | 2 | 8.857 | 10.073 | -10.073 | 0.0 | -1.216 | -0.298 |
| 5 | 8 | 2 | 35.517 | 36.391 | -36.391 | 0.0 | -0.874 | -0.560 |
| 6 | 8 | 2 | 21.414 | 21.530 | 21.530 | 0.0 | -0.115 | -0.054 |
| 7 | 8 | 2 | 55.386 | 56.816 | -56.816 | 0.0 | -1.430 | -1.039 |
| 8 | 8 | 2 | 32.718 | 34.023 | 34.023 | 0.0 | -1.306 | -0.740 |
| 9 | 8 | 2 | 5.366 | 0.594 | 0.594 | 0.0 | 4.772 | 0.827 |
| 10 | 8 | 2 | 38.639 | 38.911 | -38.911 | 0.0 | -0.273 | -0.161 |
| 11 | 8 | 2 | 11.912 | 4.192 | -4.192 | 0.0 | 7.720 | 2.317 |
| 12 | 8 | 2 | 48.862 | 47.719 | -47.719 | 0.0 | 1.142 | 0.766 |
| 13 | 8 | 2 | 381.258 | 405.108 | 405.108 | 0.0 | -23.851 | -3.444 * |
| 14 | 8 | 2 | 13.911 | 16.313 | -16.313 | 0.0 | 2.598 | 0.954 |
| 15 | 8 | 2 | 46.815 | 45.980 | -45.980 | 0.0 | 0.835 | 0.502 |
| 16 | 8 | 2 | 15.960 | 12.327 | -12.327 | 0.0 | 3.236 | 0.938 |
| 17 | 8 | 2 | 21.574 | 20.893 | -20.893 | 0.0 | 0.682 | 0.237 |
| 18 | 8 | 2 | 35.809 | 36.606 | -36.606 | 0.0 | -0.797 | -0.399 |
| 19 | 8 | 2 | 11.141 | 7.751 | -7.751 | 0.0 | 3.390 | 0.769 |
| 19 | 9 | 2 | 12.857 | 16.847 | -16.847 | 0.0 | -3.989 | -0.885 |
| 16 | 9 | 2 | 14.807 | 9.246 | -9.246 | 0.0 | 5.561 | 1.655 |
| 15 | 9 | 2 | 12.785 | 0.835 | 0.835 | 0.0 | 11.950 | 3.196 * |
| 14 | 9 | 2 | 23.234 | 19.509 | 19.509 | 0.0 | 3.725 | 1.479 |
| 13 | 9 | 2 | 24.661 | 24.710 | 24.710 | 0.0 | -0.049 | -0.022 |
| 12 | 9 | 2 | 9.177 | 8.332 | -8.332 | 0.0 | 0.844 | 0.175 |
| 10 | 9 | 2 | 13.861 | 11.719 | 11.719 | 0.0 | 2.142 | 0.640 |
| 8 | 9 | 2 | 13.701 | 6.268 | -6.268 | 0.0 | 7.433 | 2.456 |
| 0 | 6 | 0 | 379.456 | 405.108 | 405.108 | 0.0 | -25.652 | -3.736 * |
| 5 | 9 | 2 | 10.399 | 2.996 | -2.996 | 0.0 | 7.403 | 2.147 |
| 4 | 9 | 2 | 9.803 | 11.468 | -11.468 | 0.0 | -1.665 | -0.399 |
| 2 | 9 | 2 | 19.805 | 17.702 | -17.702 | 0.0 | 1.893 | 0.861 |
| 1 | 9 | 2 | 11.679 | 9.025 | -9.025 | 0.0 | 2.654 | 0.815 |
| 0 | 10 | 2 | 7.795 | 8.366 | -8.366 | 0.0 | -0.571 | -0.124 |
| 1 | 10 | 2 | 20.512 | 15.872 | -15.872 | 0.0 | 4.640 | 2.452 |
| 2 | 10 | 2 | 40.083 | 39.816 | -39.816 | 0.0 | 0.267 | 0.173 |
| 3 | 10 | 2 | 39.223 | 39.207 | -39.207 | 0.0 | 0.716 | 0.442 |
| 4 | 10 | 2 | 8.188 | 3.389 | -3.389 | 0.0 | 4.799 | 1.038 |
| 5 | 10 | 2 | 16.343 | 14.272 | 14.272 | 0.0 | 4.071 | 1.589 |
| 6 | 10 | 2 | 23.584 | 21.381 | 21.381 | 0.0 | 2.202 | 1.058 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|----------|---------|---------|-------------|
| 7 | 10 | 2 | 15.811 | 12.655 | -12.655 | 0.0 | 3.156 | 1.033 |
| 8 | 10 | 2 | 21.938 | 19.690 | -19.690 | 0.0 | 2.249 | 0.984 |
| 9 | 10 | 2 | 11.170 | 15.458 | -15.458 | 0.0 | -4.288 | -0.215 |
| 11 | 10 | 2 | 25.025 | 25.594 | -25.594 | 0.0 | -0.569 | -0.231 |
| 12 | 10 | 2 | 15.345 | 11.340 | -11.340 | 0.0 | 4.006 | 1.176 |
| 13 | 10 | 2 | 18.576 | 16.627 | -16.627 | 0.0 | 1.949 | 0.607 |
| 0 | 6 | 0 | 378.915 | 405.108 | 405.108 | 0.0 | -26.194 | -3.816 * |
| 14 | 10 | 2 | 11.781 | 13.443 | -13.443 | 0.0 | -1.662 | -0.355 |
| 15 | 10 | 2 | 21.927 | 24.085 | -24.085 | 0.0 | -2.158 | -0.931 |
| 14 | 11 | 2 | 10.748 | 4.174 | -4.174 | 0.0 | 6.574 | 1.496 |
| 13 | 11 | 2 | 41.309 | 40.258 | 40.258 | 0.0 | 1.052 | 0.534 |
| 12 | 11 | 2 | 63.229 | 62.544 | 62.544 | 0.0 | 0.786 | 0.510 |
| 11 | 11 | 2 | 64.621 | 64.102 | 64.102 | 0.0 | 0.519 | 0.315 |
| 10 | 11 | 2 | 15.098 | 2.031 | -2.031 | 0.0 | 13.067 | 3.607 * |
| 9 | 11 | 2 | 106.747 | 105.510 | -105.510 | 0.0 | 1.238 | 0.624 |
| 8 | 11 | 2 | 48.905 | 48.361 | 48.361 | 0.0 | 0.544 | 0.313 |
| 7 | 11 | 2 | 64.957 | 63.620 | -63.620 | 0.0 | 1.177 | 0.729 |
| 6 | 11 | 2 | 11.635 | 13.407 | -13.407 | 0.0 | -1.772 | -0.409 |
| 5 | 11 | 2 | 74.792 | 74.779 | 74.779 | 0.0 | 0.013 | 0.008 |
| 3 | 11 | 2 | 87.316 | 86.370 | 86.370 | 0.0 | 0.946 | 0.547 |
| 1 | 11 | 2 | 40.755 | 37.238 | -37.238 | 0.0 | 3.517 | 2.062 |
| 0 | 12 | 2 | 13.949 | 8.278 | -8.278 | 0.0 | 5.671 | 1.578 |
| 1 | 12 | 2 | 18.692 | 19.546 | 19.546 | 0.0 | -0.854 | -0.261 |
| 2 | 12 | 2 | 62.269 | 59.822 | -59.822 | 0.0 | 2.447 | 1.614 |
| 0 | 6 | 0 | 379.050 | 405.108 | 405.108 | 0.0 | -26.058 | -3.796 * |
| 3 | 12 | 2 | 64.034 | 62.091 | 62.091 | 0.0 | 1.952 | 1.177 |
| 4 | 12 | 2 | 10.254 | 3.677 | -3.677 | 0.0 | 6.577 | 1.422 |
| 5 | 12 | 2 | 29.774 | 28.985 | -28.985 | 0.0 | 0.789 | 0.326 |
| 6 | 12 | 2 | 15.273 | 8.694 | -8.694 | 0.0 | 6.579 | 2.018 |
| 7 | 12 | 2 | 24.545 | 22.267 | -22.267 | 0.0 | 2.277 | 0.874 |
| 8 | 12 | 2 | 6.283 | 1.499 | -1.499 | 0.0 | 4.784 | 0.741 |
| 9 | 12 | 2 | 49.900 | 49.479 | 49.479 | 0.0 | 0.420 | 0.244 |
| 10 | 12 | 2 | 16.961 | 14.890 | -14.890 | 0.0 | 2.071 | 0.647 |
| 2 | 13 | 2 | 19.882 | 14.119 | -14.119 | 0.0 | 4.763 | 1.750 |
| 1 | 13 | 2 | 40.740 | 38.802 | -38.802 | 0.0 | 1.938 | 1.038 |
| 1 | 12 | 3 | 8.610 | -8.176 | -8.176 | 0.0 | 0.434 | -0.074 |
| 2 | 12 | 3 | 0.843 | 10.083 | 10.083 | 0.0 | -9.239 | -0.875 |
| 3 | 12 | 3 | 18.081 | 19.525 | 19.525 | 0.0 | -1.444 | -0.413 |
| 4 | 12 | 3 | 13.381 | 2.657 | -2.657 | 0.0 | 10.725 | 3.066 * |
| 11 | 11 | 3 | 15.113 | 19.173 | -19.173 | 0.0 | -4.060 | -1.026 |
| 10 | 11 | 3 | 32.033 | 32.894 | -32.894 | 0.0 | -0.861 | -0.372 |
| 9 | 11 | 3 | 22.317 | 25.061 | -25.061 | 0.0 | -2.744 | -0.894 |
| 0 | 6 | 0 | 380.590 | 405.108 | 405.108 | 0.0 | -24.510 | -3.553 * |
| 7 | 11 | 3 | 24.894 | 21.379 | -21.379 | 0.0 | 3.515 | 1.609 |
| 5 | 11 | 3 | 34.834 | 33.837 | -33.837 | 0.0 | 1.097 | 0.557 |
| 4 | 11 | 3 | 8.886 | 5.338 | -5.338 | 0.0 | 3.548 | 0.735 |
| 3 | 11 | 3 | 33.432 | 29.993 | -29.993 | 0.0 | 3.440 | 1.934 |
| 2 | 11 | 3 | 41.733 | 40.542 | -40.542 | 0.0 | 1.191 | 0.659 |
| 1 | 11 | 3 | 17.426 | 15.991 | -15.991 | 0.0 | 1.436 | 0.427 |
| 0 | 10 | 3 | 25.302 | 26.223 | -26.223 | 0.0 | -0.921 | -0.393 |
| 1 | 10 | 3 | 16.277 | 14.828 | -14.828 | 0.0 | 1.448 | 0.591 |
| 3 | 10 | 3 | 42.331 | 41.319 | -41.319 | 0.0 | 1.012 | 0.624 |
| 4 | 10 | 3 | 43.733 | 44.219 | -44.219 | 0.0 | -0.485 | -0.282 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 8 | 10 | 3 | 9.803 | 5.716 | 5.716 | 0.0 | 4.087 | 0.836 |
| 9 | 10 | 3 | 15.535 | 18.138 | 18.138 | 0.0 | -2.604 | -0.707 |
| 11 | 10 | 3 | 40.083 | 36.738 | 36.738 | 0.0 | 3.345 | 1.926 |
| 0 | 6 | 0 | 380.017 | 405.108 | 405.108 | 0.0 | -25.091 | -3.640 * |
| 13 | 10 | 3 | 10.850 | 0.333 | -0.333 | 0.0 | 10.517 | 2.347 * |
| 14 | 10 | 3 | 17.906 | 4.293 | 4.293 | 0.0 | 13.623 | 5.319 * |
| 15 | 10 | 3 | 18.445 | 11.746 | -11.746 | 0.0 | 6.699 | 2.171 |
| 17 | 9 | 3 | 25.185 | 25.416 | 25.416 | 0.0 | -0.230 | -0.084 |
| 15 | 9 | 3 | 47.429 | 48.021 | 48.021 | 0.0 | -0.592 | -0.329 |
| 14 | 9 | 3 | 106.956 | 105.429 | 105.429 | 0.0 | 1.527 | 0.764 |
| 13 | 9 | 3 | 89.654 | 89.379 | -89.079 | 0.0 | 1.575 | 0.902 |
| 12 | 9 | 3 | 13.323 | 7.267 | -7.267 | 0.0 | 6.056 | 1.658 |
| 11 | 9 | 3 | 13.076 | 16.036 | -16.036 | 0.0 | -2.960 | -0.756 |
| 10 | 9 | 3 | 6.472 | 13.315 | 13.315 | 0.0 | -6.844 | -1.030 |
| 9 | 9 | 3 | 18.751 | 18.335 | 18.335 | 0.0 | 0.415 | 0.153 |
| 7 | 9 | 3 | 48.131 | 47.894 | 47.894 | 0.0 | 0.236 | 0.163 |
| 6 | 9 | 3 | 78.165 | 78.197 | 78.197 | 0.0 | -0.033 | -0.021 |
| 5 | 9 | 3 | 34.657 | 32.153 | -32.153 | 0.0 | 2.504 | 1.620 |
| 3 | 9 | 3 | 29.759 | 34.197 | -34.197 | 0.0 | -4.438 | -2.072 |
| 2 | 9 | 3 | 69.158 | 70.415 | -70.415 | 0.0 | -1.257 | -0.847 |
| 0 | 6 | 0 | 380.424 | 405.108 | 405.108 | 0.0 | -24.684 | -3.579 * |
| 1 | 8 | 3 | 92.368 | 93.510 | 93.510 | 0.0 | -1.162 | -0.688 |
| 0 | 8 | 3 | 155.040 | 158.816 | 158.816 | 0.0 | -3.776 | -1.485 |
| 1 | 8 | 3 | 90.512 | 94.249 | 94.249 | 0.0 | -3.736 | -2.234 |
| 2 | 8 | 3 | 10.428 | 9.326 | -9.326 | 0.0 | 1.102 | 0.271 |
| 3 | 8 | 3 | 51.581 | 51.930 | 51.930 | 0.0 | -0.348 | -0.250 |
| 4 | 8 | 3 | 32.062 | 34.502 | -34.502 | 0.0 | -2.440 | -1.419 |
| 5 | 8 | 3 | 49.359 | 48.276 | -48.276 | 0.0 | 1.083 | 0.760 |
| 6 | 8 | 3 | 11.417 | 6.887 | -6.887 | 0.0 | 4.530 | 1.325 |
| 7 | 8 | 3 | 86.932 | 88.072 | -88.072 | 0.0 | -1.140 | -0.689 |
| 8 | 8 | 3 | 71.687 | 73.838 | 73.838 | 0.0 | -2.151 | -1.407 |
| 9 | 8 | 3 | 26.962 | 25.952 | 25.952 | 0.0 | 1.011 | 0.522 |
| 11 | 8 | 3 | 20.410 | 21.916 | 21.916 | 0.0 | -1.507 | -0.566 |
| 12 | 8 | 3 | 71.378 | 71.178 | -71.178 | 0.0 | 0.200 | 0.126 |
| 13 | 8 | 3 | 68.664 | 68.541 | -68.541 | 0.0 | 0.103 | 0.063 |
| 14 | 8 | 3 | 18.597 | 11.000 | -11.000 | 0.0 | 5.596 | 1.804 |
| 15 | 8 | 3 | 69.158 | 70.066 | -70.066 | 0.0 | -0.907 | -0.561 |
| 16 | 8 | 3 | 41.835 | 41.933 | 41.933 | 0.0 | -0.098 | -0.057 |
| 17 | 8 | 3 | 25.943 | 27.858 | 27.858 | 0.0 | -1.915 | -0.719 |
| 0 | 6 | 0 | 380.230 | 405.108 | 405.108 | 0.0 | -24.878 | -3.608 * |
| 19 | 8 | 3 | 82.058 | 81.326 | 81.326 | 0.0 | 0.732 | 0.424 |
| 20 | 7 | 3 | 18.125 | 11.968 | -11.968 | 0.0 | 6.157 | 2.084 |
| 19 | 7 | 3 | 15.200 | 11.003 | 11.003 | 0.0 | 4.197 | 1.182 |
| 17 | 7 | 3 | 21.196 | 24.875 | 24.875 | 0.0 | -3.679 | -1.170 |
| 16 | 7 | 3 | 8.261 | 3.842 | -3.842 | 0.0 | 4.419 | 0.830 |
| 15 | 7 | 3 | 3.229 | 10.166 | -10.166 | 0.0 | -6.938 | -0.835 |
| 14 | 7 | 3 | 46.655 | 45.893 | -45.893 | 0.0 | 0.761 | 0.478 |
| 13 | 7 | 3 | 29.599 | 28.949 | 28.949 | 0.0 | 0.650 | 0.343 |
| 12 | 7 | 3 | 20.061 | 12.343 | -12.343 | 0.0 | 7.718 | 3.899 |
| 11 | 7 | 3 | 9.075 | 10.229 | -10.229 | 0.0 | -1.154 | -0.267 |
| 10 | 7 | 3 | 27.760 | 25.138 | -25.138 | 0.0 | 2.621 | 1.572 |
| 9 | 7 | 3 | 70.454 | 15.632 | 15.632 | 0.0 | 4.822 | 2.238 |
| 8 | 7 | 3 | 17.499 | 16.182 | 16.182 | 0.0 | 1.317 | 0.539 |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 7 | 7 | 3 | 22.128 | 21.806 | -21.806 | 0.0 | 0.321 | 0.146 |
| 6 | 7 | 3 | 36.057 | 37.273 | -37.273 | 0.0 | -1.216 | -0.745 |
| 5 | 7 | 3 | 15.636 | 12.854 | -12.854 | 0.0 | -2.783 | -1.092 |
| 4 | 7 | 3 | 22.637 | 24.700 | -24.700 | 0.0 | -2.062 | -1.012 |
| 3 | 7 | 3 | 11.606 | 11.371 | -11.371 | 0.0 | 0.236 | 0.068 |
| 0 | 6 | 0 | 380.385 | 405.108 | 405.108 | 0.0 | -24.723 | -3.584 |
| 1 | 7 | 3 | 19.295 | 13.295 | -13.295 | 0.0 | 6.300 | 3.254 |
| 0 | 6 | 3 | 3.723 | 7.886 | 7.886 | 0.0 | -4.163 | -0.645 |
| 2 | 6 | 3 | 23.409 | 26.327 | -26.327 | 0.0 | -2.918 | -1.484 |
| 3 | 6 | 3 | 14.327 | 16.218 | -16.218 | 0.0 | -1.891 | -0.660 |
| 8 | 6 | 3 | 21.138 | 21.410 | -21.410 | 0.0 | -0.273 | -0.123 |
| 9 | 6 | 3 | 14.007 | 12.486 | -12.486 | 0.0 | -1.521 | -0.531 |
| 10 | 6 | 3 | 17.630 | 14.323 | -14.323 | 0.0 | 3.307 | 1.377 |
| 11 | 6 | 3 | 11.825 | 7.434 | -7.434 | 0.0 | 4.388 | 1.267 |
| 14 | 6 | 3 | 7.764 | 1.997 | -1.997 | 0.0 | 5.769 | 1.232 |
| 15 | 6 | 3 | 4.421 | 6.196 | 6.196 | 0.0 | -1.775 | -0.256 |
| 16 | 6 | 3 | 6.446 | 8.548 | 8.548 | 0.0 | -1.901 | -0.321 |
| 17 | 6 | 3 | 6.763 | 10.346 | 10.346 | 0.0 | -3.584 | -0.889 |
| 18 | 6 | 3 | 18.765 | 11.505 | -11.505 | 0.0 | 7.260 | 2.934 |
| 0 | 6 | 0 | 381.219 | 405.108 | 405.108 | 0.0 | -23.889 | -3.450 |
| 23 | 5 | 3 | 13.832 | 7.099 | -7.099 | 0.0 | 6.733 | 1.794 |
| 22 | 5 | 3 | 17.305 | 13.881 | -13.881 | 0.0 | -1.676 | -0.364 |
| 21 | 5 | 3 | 20.585 | 22.198 | -22.198 | 0.0 | -1.614 | -0.525 |
| 20 | 5 | 3 | 4.552 | 2.077 | -2.077 | 0.0 | 2.475 | 0.342 |
| 19 | 5 | 3 | 18.445 | 10.639 | -10.639 | 0.0 | 7.806 | 2.963 |
| 18 | 5 | 3 | 32.791 | 32.808 | -32.808 | 0.0 | -0.017 | -0.008 |
| 17 | 5 | 3 | 52.050 | 50.815 | -50.815 | 0.0 | 1.235 | 0.853 |
| 16 | 5 | 3 | 13.221 | 17.969 | 17.969 | 0.0 | -4.748 | -1.232 |
| 15 | 5 | 3 | 35.707 | 36.952 | -36.952 | 0.0 | -1.245 | -0.718 |
| 14 | 5 | 3 | 28.215 | 29.347 | -29.347 | 0.0 | -1.132 | -0.576 |
| 13 | 5 | 3 | 27.589 | 25.742 | -25.742 | 0.0 | 1.847 | 0.960 |
| 12 | 5 | 3 | 10.166 | 4.404 | -4.404 | 0.0 | 5.762 | 1.529 |
| 11 | 5 | 3 | 22.817 | 25.177 | -25.177 | 0.0 | -1.360 | -0.687 |
| 10 | 5 | 3 | 53.366 | 52.912 | -52.912 | 0.0 | 0.455 | 0.345 |
| 9 | 5 | 3 | 47.385 | 49.243 | -49.243 | 0.0 | -1.858 | -1.353 |
| 8 | 5 | 3 | 6.123 | 7.088 | -7.088 | 0.0 | -0.965 | -0.185 |
| 0 | 6 | 0 | 380.133 | 405.108 | 405.108 | 0.0 | -24.875 | -3.622 |
| 7 | 5 | 3 | 7.868 | 4.805 | -4.805 | 0.0 | 2.964 | 0.681 |
| 5 | 5 | 3 | 44.266 | 44.050 | -44.050 | 0.0 | 0.216 | 0.221 |
| 4 | 5 | 3 | 15.656 | 15.490 | -15.490 | 0.0 | 0.176 | 0.063 |
| 3 | 5 | 3 | 65.589 | 69.846 | -69.846 | 0.0 | -4.257 | -3.052 |
| 2 | 5 | 3 | 73.938 | 77.440 | -77.440 | 0.0 | -3.502 | -2.505 |
| 1 | 5 | 3 | 41.061 | 43.299 | -43.299 | 0.0 | -2.238 | -1.549 |
| 0 | 4 | 3 | 134.122 | 144.255 | -144.255 | 0.0 | -10.134 | -6.720 |
| 1 | 4 | 3 | 52.942 | 55.697 | -55.697 | 0.0 | -2.755 | -2.156 |
| 2 | 4 | 3 | 17.092 | 18.431 | -18.431 | 0.0 | -1.339 | -0.554 |
| 3 | 4 | 3 | 34.278 | 33.832 | -33.832 | 0.0 | 0.446 | 0.315 |
| 4 | 4 | 3 | 29.861 | 32.928 | -32.928 | 0.0 | -3.066 | -1.799 |
| 5 | 4 | 3 | 25.972 | 23.776 | -23.776 | 0.0 | 2.196 | 1.300 |
| 6 | 4 | 3 | 12.436 | 10.739 | -10.739 | 0.0 | 1.697 | 0.533 |
| 7 | 4 | 3 | 37.545 | 36.592 | -36.592 | 0.0 | 0.952 | 0.673 |
| 8 | 4 | 3 | 17.557 | 15.962 | -15.962 | 0.0 | 1.595 | 0.630 |
| 9 | 4 | 3 | 19.915 | 19.613 | -19.613 | 0.0 | 0.302 | 0.140 |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 10 | 4 | 3 | 33.955 | 30.729 | 30.729 | 0.0 | 3.126 | 2.257 |
| 11 | 4 | 3 | 14.618 | 9.383 | 9.383 | 0.0 | 5.235 | 1.955 |
| 12 | 4 | 3 | 48.394 | 48.942 | 49.949 | 0.0 | -1.556 | -1.086 |
| 0 | 6 | 0 | 379.743 | 405.108 | 405.108 | 0.0 | -25.265 | -2.876 |
| 13 | 4 | 3 | 41.747 | 40.854 | 40.864 | 0.0 | 0.884 | 0.624 |
| 14 | 4 | 3 | 14.691 | 11.678 | 11.678 | 0.0 | 3.012 | 1.005 |
| 15 | 4 | 3 | 22.672 | 24.122 | 24.122 | 0.0 | -1.150 | -0.497 |
| 18 | 4 | 3 | 10.021 | 8.754 | -8.754 | 0.0 | 1.266 | 0.285 |
| 19 | 4 | 3 | 13.629 | 20.085 | -20.085 | 0.0 | -6.457 | -1.515 |
| 20 | 4 | 3 | 48.584 | 48.867 | 48.857 | 0.0 | -0.253 | -0.193 |
| 21 | 4 | 3 | 10.706 | 16.609 | 16.609 | 0.0 | -5.903 | -1.140 |
| 22 | 4 | 3 | 9.744 | 12.811 | -12.811 | 0.0 | -3.066 | -0.604 |
| 23 | 4 | 3 | 27.589 | 27.147 | -27.147 | 0.0 | 0.442 | 0.197 |
| 24 | 3 | 3 | 14.138 | 7.531 | 7.531 | 0.0 | 6.606 | 1.727 |
| 23 | 3 | 3 | 9.904 | 9.557 | 9.557 | 0.0 | 0.357 | 0.070 |
| 22 | 3 | 3 | 46.143 | 46.977 | 46.977 | 0.0 | -0.833 | -0.492 |
| 21 | 3 | 3 | 06.646 | 05.337 | -05.337 | 0.0 | -0.692 | -0.386 |
| 20 | 3 | 3 | 21.240 | 20.503 | -20.503 | 0.0 | 0.737 | 0.289 |
| 19 | 3 | 3 | 75.292 | 74.434 | -74.434 | 0.0 | 0.858 | 0.545 |
| 18 | 3 | 3 | 91.297 | 92.061 | -92.061 | 0.0 | -0.764 | -0.449 |
| 17 | 3 | 3 | 71.893 | 71.078 | -71.078 | 0.0 | 0.815 | 0.509 |
| 16 | 3 | 3 | 8.188 | 11.290 | -11.290 | 0.0 | -3.102 | -0.544 |
| 0 | 6 | 0 | 379.649 | 405.108 | 405.108 | 0.0 | -25.459 | -3.705 |
| 15 | 3 | 3 | 82.623 | 83.069 | 83.069 | 0.0 | 0.553 | 0.350 |
| 14 | 3 | 3 | 176.100 | 174.281 | 174.281 | 0.0 | 1.827 | 0.639 |
| 13 | 3 | 3 | 149.735 | 148.629 | -148.629 | 0.0 | 1.106 | 0.453 |
| 12 | 3 | 3 | 35.561 | 33.412 | -33.412 | 0.0 | 2.149 | 1.474 |
| 11 | 3 | 3 | 51.611 | 51.148 | -51.148 | 0.0 | 0.463 | 0.364 |
| 10 | 3 | 3 | 8.770 | 3.073 | -3.073 | 0.0 | 5.697 | 1.384 |
| 9 | 3 | 3 | 45.583 | 45.272 | 45.272 | 0.0 | 0.310 | 0.506 |
| 8 | 3 | 3 | 24.224 | 17.401 | 17.401 | 0.0 | 6.824 | 4.040 |
| 7 | 3 | 3 | 105.642 | 105.640 | 105.640 | 0.0 | 0.302 | 0.172 |
| 6 | 3 | 3 | 177.950 | 177.103 | 177.103 | 0.0 | 0.747 | 0.262 |
| 5 | 3 | 3 | 115.994 | 115.079 | -115.079 | 0.0 | 0.915 | 0.489 |
| 4 | 3 | 3 | 28.958 | 27.965 | 27.965 | 0.0 | 0.993 | 0.674 |
| 3 | 3 | 3 | 75.734 | 77.698 | -77.698 | 0.0 | -1.964 | -1.450 |
| 2 | 3 | 3 | 187.216 | 161.637 | -161.637 | 0.0 | -4.421 | -1.769 |
| 1 | 3 | 3 | 197.446 | 208.758 | 208.758 | 0.0 | -11.312 | -3.860 |
| 0 | 2 | 3 | 222.150 | 240.248 | 240.248 | 0.0 | -18.099 | -5.026 |
| 1 | 2 | 3 | 126.744 | 131.492 | 131.492 | 0.0 | -4.748 | -2.353 |
| 2 | 2 | 3 | 13.367 | 13.734 | 13.734 | 0.0 | -0.367 | -0.146 |
| 3 | 2 | 3 | 35.362 | 35.361 | 35.361 | 0.0 | -0.010 | -0.015 |
| 4 | 2 | 3 | 18.682 | 21.944 | -21.944 | 0.0 | -3.252 | -1.563 |
| 0 | 6 | 0 | 381.374 | 405.108 | 405.108 | 0.0 | -23.734 | -3.427 |
| 5 | 2 | 3 | 56.968 | 57.566 | -57.566 | 0.0 | -0.598 | -0.492 |
| 6 | 2 | 3 | 15.229 | 18.557 | -18.557 | 0.0 | -3.328 | -1.257 |
| 7 | 2 | 3 | 91.371 | 90.246 | -90.246 | 0.0 | 1.125 | 0.717 |
| 8 | 2 | 3 | 66.008 | 64.055 | 64.055 | 0.0 | 2.753 | 2.130 |
| 9 | 2 | 3 | 10.777 | 8.643 | 8.643 | 0.0 | 2.135 | 0.592 |
| 10 | 2 | 3 | 23.758 | 23.259 | -23.259 | 0.0 | 0.500 | 0.258 |
| 11 | 2 | 3 | 21.793 | 23.279 | 23.279 | 0.0 | -1.486 | -0.690 |
| 12 | 2 | 3 | 94.142 | 92.700 | -92.700 | 0.0 | 1.442 | 0.876 |
| 13 | 2 | 3 | 81.350 | 80.869 | -80.869 | 0.0 | 0.481 | 0.323 |

| H | K | L | F(CORS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 14 | 2 | 3 | 13.352 | 14.931 | -14.931 | 0.0 | -1.579 | -0.514 |
| 15 | 2 | 3 | 70.687 | 70.221 | -70.221 | 0.0 | 0.466 | 0.330 |
| 16 | 2 | 3 | 40.639 | 39.367 | -39.367 | 0.0 | 1.271 | 0.871 |
| 17 | 2 | 3 | 29.264 | 27.473 | -27.473 | 0.0 | 1.791 | 0.901 |
| 18 | 2 | 3 | 9.730 | 14.177 | 14.177 | 0.0 | -4.397 | -0.978 |
| 19 | 2 | 3 | 70.158 | 69.062 | -69.062 | 0.0 | 1.096 | 0.724 |
| 20 | 2 | 3 | 93.489 | 92.139 | -92.139 | 0.0 | 1.350 | 0.785 |
| 21 | 2 | 3 | 35.546 | 34.716 | -34.716 | 0.0 | 0.831 | 0.448 |
| 22 | 2 | 3 | 15.113 | 1.981 | 1.981 | 0.0 | 13.132 | 4.102 |
| 24 | 2 | 3 | 14.705 | 6.310 | -6.310 | 0.0 | 8.355 | 2.308 |
| 0 | 6 | 0 | 379.591 | 405.108 | 405.108 | 0.0 | -25.517 | -5.714 |
| 25 | 1 | 3 | 23.423 | 22.959 | -22.959 | 0.0 | 0.425 | 0.152 |
| 24 | 1 | 3 | 15.185 | 16.377 | 16.377 | 0.0 | -1.152 | -0.334 |
| 23 | 1 | 3 | 10.123 | 1.309 | 1.309 | 0.0 | 8.814 | 1.859 |
| 22 | 1 | 3 | 0.483 | 7.811 | 7.811 | 0.0 | 1.671 | 0.337 |
| 21 | 1 | 3 | 17.965 | 17.358 | -17.358 | 0.0 | 0.606 | 0.203 |
| 20 | 1 | 3 | 12.159 | 5.402 | 5.402 | 0.0 | 6.757 | 1.927 |
| 18 | 1 | 3 | 26.609 | 26.013 | -26.013 | 0.0 | 0.396 | 0.211 |
| 17 | 1 | 3 | 53.571 | 52.176 | -52.176 | 0.0 | 1.395 | 0.973 |
| 16 | 1 | 3 | 9.235 | 12.622 | 12.622 | 0.0 | -3.387 | -0.756 |
| 15 | 1 | 3 | 18.605 | 22.174 | 22.174 | 0.0 | -3.569 | -1.360 |
| 14 | 1 | 3 | 2.538 | 6.616 | 6.616 | 0.0 | -3.678 | -0.517 |
| 12 | 1 | 3 | 4.058 | 7.194 | -7.194 | 0.0 | -3.137 | -0.514 |
| 11 | 1 | 3 | 26.259 | 24.234 | -24.234 | 0.0 | 3.924 | 2.471 |
| 10 | 1 | 3 | 53.279 | 50.512 | -50.512 | 0.0 | 2.767 | 2.078 |
| 9 | 1 | 3 | 45.720 | 46.245 | 46.245 | 0.0 | -0.525 | -0.387 |
| 8 | 1 | 3 | 5.221 | 8.048 | 8.048 | 0.0 | -2.827 | -0.524 |
| 7 | 1 | 3 | 20.323 | 16.198 | -16.198 | 0.0 | 4.125 | 2.147 |
| 6 | 1 | 3 | 35.196 | 35.120 | -35.120 | 0.0 | 0.077 | 0.061 |
| 0 | 6 | 0 | 390.463 | 405.108 | 405.108 | 0.0 | -24.645 | -3.573 |
| 5 | 1 | 3 | 47.283 | 45.646 | -45.646 | 0.0 | 1.637 | 1.400 |
| 4 | 1 | 3 | 8.797 | 1.107 | 1.107 | 0.0 | 7.691 | 2.329 |
| 3 | 1 | 3 | 58.590 | 58.436 | -58.436 | 0.0 | 0.154 | 0.133 |
| 2 | 1 | 3 | 58.987 | 58.653 | -58.653 | 0.0 | 0.234 | 0.205 |
| 1 | 1 | 3 | 36.844 | 35.771 | -35.771 | 0.0 | 1.074 | 0.995 |
| 0 | 0 | 4 | 148.423 | 146.956 | -146.956 | 0.0 | 1.468 | 0.617 |
| 1 | 0 | 4 | 127.091 | 126.645 | -126.645 | 0.0 | 0.445 | 0.216 |
| 3 | 0 | 4 | 56.045 | 56.529 | 56.529 | 0.0 | -0.484 | -0.368 |
| 4 | 0 | 4 | 247.174 | 238.053 | -238.053 | 0.0 | 9.121 | 2.243 |
| 5 | 0 | 4 | 27.996 | 25.940 | -25.940 | 0.0 | 2.056 | 1.207 |
| 6 | 0 | 4 | 15.037 | 20.110 | 20.110 | 0.0 | -2.072 | -0.814 |
| 7 | 0 | 4 | 41.937 | 42.876 | -42.876 | 0.0 | -0.939 | -0.656 |
| 8 | 0 | 4 | 101.488 | 187.717 | -187.717 | 0.0 | 3.771 | 1.218 |
| 9 | 0 | 4 | 35.196 | 33.401 | -33.401 | 0.0 | 1.795 | 1.282 |
| 10 | 0 | 4 | 13.881 | 16.429 | -16.429 | 0.0 | -2.567 | -0.813 |
| 11 | 0 | 4 | 69.221 | 69.136 | -69.136 | 0.0 | 0.185 | 0.109 |
| 12 | 0 | 4 | 159.103 | 158.046 | -158.046 | 0.0 | 1.057 | 0.407 |
| 13 | 0 | 4 | 29.657 | 30.582 | -30.582 | 0.0 | -0.925 | -0.508 |
| 14 | 0 | 4 | 1.291 | 9.753 | 9.753 | 0.0 | 6.538 | 2.691 |
| 0 | 6 | 0 | 379.785 | 405.108 | 405.108 | 0.0 | -25.323 | -3.685 |
| 15 | 0 | 4 | 6.166 | 9.720 | 9.720 | 0.0 | -3.553 | -0.640 |
| 16 | 0 | 4 | 147.966 | 148.065 | -148.065 | 0.0 | -0.099 | -0.040 |
| 17 | 0 | 4 | 4.145 | 3.281 | 3.281 | 0.0 | 0.863 | 0.127 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 18 | 0 | 4 | 36.144 | 36.208 | -36.208 | 0.0 | -0.064 | -0.036 |
| 19 | 0 | 4 | 14.472 | 4.384 | -4.384 | 0.0 | 10.088 | 3.138 * |
| 20 | 0 | 4 | 74.468 | 74.328 | 74.328 | 0.0 | -0.140 | 0.088 |
| 21 | 0 | 4 | 49.724 | 50.197 | 50.197 | 0.0 | -0.473 | -0.270 |
| 22 | 0 | 4 | 17.717 | 17.020 | 17.020 | 0.0 | 0.697 | 0.204 |
| 23 | 0 | 4 | 17.106 | 17.151 | -17.151 | 0.0 | -0.045 | -0.012 |
| 23 | 1 | 4 | 28.929 | 24.267 | -24.267 | 0.0 | 4.662 | 2.207 |
| 22 | 1 | 4 | 57.744 | 60.112 | -60.112 | 0.0 | -2.368 | -1.406 |
| 21 | 1 | 4 | 8.477 | 7.249 | -7.249 | 0.0 | 1.228 | 0.307 |
| 20 | 1 | 4 | 7.154 | 5.757 | -5.757 | 0.0 | 1.397 | 0.228 |
| 19 | 1 | 4 | 14.053 | 15.305 | -15.305 | 0.0 | -0.353 | -0.094 |
| 18 | 1 | 4 | 51.772 | 50.118 | 50.118 | 0.0 | 1.654 | 1.098 |
| 17 | 1 | 4 | 6.355 | 2.684 | -2.684 | 0.0 | 3.671 | 0.668 |
| 15 | 1 | 4 | 32.412 | 30.137 | -30.137 | 0.0 | 2.274 | 1.486 |
| 14 | 1 | 4 | 12.479 | 13.097 | -13.097 | 0.0 | -0.618 | -0.168 |
| 13 | 1 | 4 | 10.446 | 5.516 | -5.516 | 0.0 | 5.130 | 1.383 |
| 0 | 6 | 0 | 375.456 | 405.108 | 405.108 | 0.0 | -29.652 | -3.734 |
| 12 | 1 | 4 | 9.133 | 15.285 | -15.285 | 0.0 | -6.152 | -1.387 |
| 11 | 1 | 4 | 60.114 | 60.055 | -60.055 | 0.0 | 0.059 | 0.042 |
| 10 | 1 | 4 | 116.334 | 114.965 | 114.965 | 0.0 | 1.373 | 0.705 |
| 9 | 1 | 4 | 27.603 | 24.556 | 24.556 | 0.0 | 3.047 | 1.758 |
| 7 | 1 | 4 | 50.616 | 51.283 | -51.283 | 0.0 | -0.667 | -0.512 |
| 6 | 1 | 4 | 69.247 | 67.406 | -67.406 | 0.0 | 1.841 | 1.347 |
| 5 | 1 | 4 | 55.386 | 55.892 | -55.892 | 0.0 | -0.505 | -0.379 |
| 4 | 1 | 4 | 11.534 | 1.548 | -1.548 | 0.0 | 9.986 | 3.037 |
| 3 | 1 | 4 | 25.287 | 25.688 | 25.688 | 0.0 | -0.400 | -0.208 |
| 2 | 1 | 4 | 67.322 | 66.786 | 66.786 | 0.0 | 0.536 | 0.411 |
| 1 | 1 | 4 | 75.115 | 76.508 | 76.508 | 0.0 | -1.392 | -0.995 |
| 0 | 2 | 4 | 72.443 | 76.930 | -76.930 | 0.0 | -4.287 | -3.067 |
| 1 | 2 | 4 | 25.782 | 29.098 | 29.098 | 0.0 | -3.315 | -1.686 |
| 2 | 2 | 4 | 9.163 | 2.516 | -2.516 | 0.0 | 6.647 | 1.674 |
| 4 | 2 | 4 | 45.150 | 44.646 | 44.646 | 0.0 | 0.504 | 0.352 |
| 5 | 2 | 4 | 68.997 | 71.186 | 71.186 | 0.0 | -2.189 | -1.568 |
| 6 | 2 | 4 | 5.992 | 1.840 | -1.840 | 0.0 | 4.152 | 0.786 |
| 7 | 2 | 4 | 33.811 | 35.365 | 35.365 | 0.0 | -1.553 | -0.987 |
| 0 | 6 | 0 | 379.185 | 405.108 | 405.108 | 0.0 | -25.923 | -3.775 * |
| 8 | 2 | 4 | 63.090 | 62.723 | -62.723 | 0.0 | 1.266 | 0.848 |
| 10 | 2 | 4 | 13.832 | 14.905 | -14.905 | 0.0 | -1.073 | -0.356 |
| 12 | 2 | 4 | 46.392 | 44.815 | 44.815 | 0.0 | 1.577 | 1.124 |
| 13 | 2 | 4 | 17.368 | 6.912 | -6.912 | 0.0 | 10.456 | 5.060 * |
| 14 | 2 | 4 | 24.093 | 19.222 | 19.222 | 0.0 | 4.871 | 2.534 |
| 15 | 2 | 4 | 25.564 | 27.854 | -27.854 | 0.0 | -2.290 | -1.100 |
| 16 | 2 | 4 | 22.550 | 24.369 | -24.369 | 0.0 | -1.820 | -0.735 |
| 17 | 2 | 4 | 9.457 | 7.015 | -7.015 | 0.0 | 2.443 | 0.624 |
| 18 | 2 | 4 | 12.072 | 5.512 | -5.512 | 0.0 | 6.560 | 1.748 |
| 19 | 2 | 4 | 12.790 | 0.734 | -0.734 | 0.0 | 12.065 | 3.202 * |
| 20 | 2 | 4 | 50.865 | 47.789 | 47.789 | 0.0 | 3.076 | 2.042 |
| 21 | 2 | 4 | 8.915 | 1.775 | -1.775 | 0.0 | 7.140 | 1.435 |
| 22 | 2 | 4 | 23.321 | 18.661 | 18.661 | 0.0 | 4.661 | 2.208 |
| 23 | 2 | 4 | 14.763 | 9.722 | 9.722 | 0.0 | 5.042 | 1.392 |
| 22 | 3 | 4 | 10.792 | 2.169 | -2.169 | 0.0 | 8.623 | 1.900 |
| 21 | 3 | 4 | 4.741 | 10.172 | -10.172 | 0.0 | -5.431 | -0.685 |
| 19 | 3 | 4 | 9.890 | 6.709 | -6.709 | 0.0 | 3.181 | 0.661 |

| H | K | L | F(DRS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DLTA/STGMA |
|----|---|---|---------|---------|----------|---------|---------|------------|
| 0 | 6 | 0 | 381.180 | 405.108 | 405.108 | 0.0 | -23.928 | -3.465 * |
| 18 | 3 | 4 | 11.286 | 1.125 | -1.125 | 0.0 | 10.161 | 2.676 * |
| 17 | 3 | 4 | 7.669 | 5.133 | -5.133 | 0.0 | 2.736 | 0.525 |
| 15 | 3 | 4 | 18.474 | 20.601 | -20.601 | 0.0 | -2.127 | -0.727 |
| 14 | 3 | 4 | 12.756 | 3.341 | -3.341 | 0.0 | 9.415 | 3.252 |
| 13 | 3 | 4 | 5.483 | 12.630 | 12.630 | 0.0 | -7.147 | -1.140 |
| 12 | 3 | 4 | 4.043 | 7.824 | -7.824 | 0.0 | -3.781 | -0.574 |
| 11 | 3 | 4 | 8.915 | 6.501 | -6.501 | 0.0 | 2.414 | 0.550 |
| 10 | 3 | 4 | 9.497 | 0.235 | 0.235 | 0.0 | 9.262 | 2.358 |
| 9 | 3 | 4 | 21.216 | 18.779 | 18.779 | 0.0 | 2.757 | 1.393 |
| 7 | 3 | 4 | 23.496 | 24.282 | 24.282 | 0.0 | -0.786 | -0.418 |
| 6 | 3 | 4 | 6.050 | 11.116 | 11.116 | 0.0 | -5.066 | -0.565 |
| 5 | 3 | 4 | 12.406 | 15.138 | -15.138 | 0.0 | -2.732 | -0.782 |
| 3 | 3 | 4 | 9.541 | 4.790 | 4.790 | 0.0 | 4.751 | 1.247 |
| 2 | 3 | 4 | 0.614 | 3.086 | 3.086 | 0.0 | 5.628 | 1.660 |
| 1 | 3 | 4 | 13.556 | 17.636 | -17.636 | 0.0 | -4.080 | -1.258 |
| 0 | 4 | 0 | 49.271 | 52.285 | -52.285 | 0.0 | -3.014 | -2.265 |
| 0 | 4 | 0 | 376.663 | 405.108 | 405.108 | 0.0 | -28.445 | -5.536 * |
| 2 | 4 | 4 | 11.432 | 7.819 | -7.819 | 0.0 | 3.613 | 1.114 |
| 3 | 4 | 4 | 15.476 | 11.508 | -11.508 | 0.0 | 3.969 | 1.507 |
| 4 | 4 | 4 | 6.137 | 7.489 | -7.489 | 0.0 | -1.352 | -0.260 |
| 5 | 4 | 4 | 48.879 | 49.833 | 49.833 | 0.0 | -0.855 | -0.636 |
| 7 | 4 | 4 | 7.315 | 5.958 | -5.958 | 0.0 | 1.357 | 0.299 |
| 8 | 4 | 4 | 4.829 | 7.749 | -7.749 | 0.0 | -2.921 | -0.496 |
| 1 | 4 | 4 | 33.249 | 35.134 | -35.134 | 0.0 | -1.565 | -0.898 |
| 11 | 4 | 4 | 13.861 | 17.104 | -17.104 | 0.0 | -3.242 | -1.046 |
| 12 | 4 | 4 | 19.873 | 18.540 | 18.540 | 0.0 | -1.434 | 0.619 |
| 13 | 4 | 4 | 18.492 | 20.017 | 20.017 | 0.0 | -1.325 | -0.523 |
| 14 | 4 | 4 | 16.771 | 15.580 | 15.580 | 0.0 | 1.191 | 0.438 |
| 15 | 4 | 4 | 43.527 | 45.268 | 45.268 | 0.0 | -1.739 | -1.063 |
| 17 | 4 | 4 | 19.900 | 18.422 | -18.422 | 0.0 | 1.478 | 0.505 |
| 18 | 4 | 4 | 11.897 | 8.780 | -8.780 | 0.0 | 3.117 | 0.734 |
| 19 | 4 | 4 | 21.167 | 25.681 | 25.681 | 0.0 | -4.514 | -1.442 |
| 20 | 4 | 4 | 17.489 | 14.717 | 14.717 | 0.0 | 2.782 | 0.869 |
| 21 | 4 | 4 | 28.069 | 30.002 | -30.002 | 0.0 | -1.933 | -0.824 |
| 0 | 6 | 0 | 379.708 | 405.108 | 405.108 | 0.0 | -25.401 | -3.697 * |
| 22 | 4 | 4 | 2.356 | 10.751 | 10.751 | 0.0 | -8.395 | -0.867 |
| 21 | 5 | 4 | 24.821 | 25.121 | 25.121 | 0.0 | -0.300 | -0.119 |
| 20 | 5 | 4 | 11.883 | 6.978 | -6.978 | 0.0 | 4.905 | 1.200 |
| 19 | 5 | 4 | 21.851 | 21.683 | 21.683 | 0.0 | 0.168 | 0.059 |
| 18 | 5 | 4 | 76.043 | 75.179 | -75.179 | 0.0 | 0.864 | 0.515 |
| 17 | 5 | 4 | 11.243 | 0.527 | -0.527 | 0.0 | 10.646 | 2.472 * |
| 16 | 5 | 4 | 14.792 | 10.103 | 10.103 | 0.0 | 4.690 | 1.492 |
| 15 | 5 | 4 | 47.049 | 47.290 | 47.290 | 0.0 | -0.341 | -0.218 |
| 14 | 5 | 4 | 58.060 | 59.992 | 59.992 | 0.0 | -1.032 | -0.677 |
| 13 | 5 | 4 | 50.353 | 50.621 | -50.621 | 0.0 | -0.268 | -0.175 |
| 12 | 5 | 4 | 15.360 | 16.319 | -16.319 | 0.0 | -0.959 | -0.320 |
| 11 | 5 | 4 | 63.609 | 63.519 | 63.519 | 0.0 | 0.089 | 0.063 |
| 10 | 5 | 4 | 148.896 | 149.151 | -149.151 | 0.0 | -0.255 | -0.104 |
| 9 | 5 | 4 | 21.167 | 18.795 | -18.795 | 0.0 | 2.372 | 1.031 |
| 7 | 5 | 4 | 29.224 | 27.852 | 27.852 | 0.0 | -3.630 | -1.528 |
| 6 | 5 | 4 | 97.846 | 97.584 | 97.584 | 0.0 | 0.261 | 0.165 |
| 5 | 5 | 4 | 21.021 | 19.475 | -19.475 | 0.0 | 1.546 | 0.743 |

| H | K | L | F(CBS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 3 | 5 | 4 | 48.818 | 52.390 | -52.390 | 0.0 | -3.572 | -2.599 |
| 0 | 6 | 0 | 379.979 | 405.108 | 405.108 | 0.0 | -25.129 | -3.665 |
| 2 | 5 | 4 | 114.722 | 119.816 | -119.816 | 0.0 | -5.093 | -2.659 |
| 1 | 5 | 4 | 38.858 | 40.641 | -40.641 | 0.0 | -1.783 | -1.234 |
| 0 | 6 | 4 | 76.956 | 79.566 | -79.566 | 0.0 | -2.610 | -1.737 |
| 1 | 6 | 4 | 62.000 | 60.342 | -60.342 | 0.0 | 1.667 | 1.197 |
| 2 | 6 | 4 | 5.512 | 5.374 | 5.374 | 0.0 | 0.138 | 0.023 |
| 3 | 6 | 4 | 30.546 | 30.268 | 30.268 | 0.0 | 0.278 | 0.151 |
| 4 | 6 | 4 | 155.822 | 162.501 | 162.501 | 0.0 | -2.676 | -1.025 |
| 5 | 6 | 4 | 19.595 | 20.997 | -20.997 | 0.0 | -1.402 | -0.554 |
| 6 | 6 | 4 | 13.018 | 12.273 | 12.273 | 0.0 | 0.744 | 0.230 |
| 8 | 6 | 4 | 129.667 | 130.828 | -130.828 | 0.0 | -1.161 | -0.534 |
| 9 | 6 | 4 | 48.774 | 47.752 | -47.752 | 0.0 | 1.022 | 0.714 |
| 10 | 6 | 4 | 16.235 | 14.049 | -14.049 | 0.0 | 2.286 | 0.810 |
| 11 | 6 | 4 | 56.279 | 54.350 | -54.350 | 0.0 | 1.929 | 1.304 |
| 12 | 6 | 4 | 102.845 | 102.810 | 102.810 | 0.0 | 0.035 | 0.019 |
| 13 | 6 | 4 | 37.734 | 39.518 | -39.518 | 0.0 | -1.784 | -0.963 |
| 14 | 6 | 4 | 10.828 | 4.499 | 4.499 | 0.0 | 5.829 | 1.392 |
| 15 | 6 | 4 | 9.510 | 7.152 | -7.152 | 0.0 | 2.258 | 0.447 |
| 16 | 6 | 4 | 105.346 | 104.891 | -104.891 | 0.0 | 0.456 | 0.235 |
| 17 | 6 | 4 | 6.894 | 10.953 | -10.953 | 0.0 | -4.059 | -0.633 |
| 0 | 6 | 0 | 380.366 | 405.108 | 405.108 | 0.0 | -24.742 | -3.587 |
| 18 | 6 | 4 | 25.113 | 24.233 | -24.233 | 0.0 | 0.879 | 0.339 |
| 19 | 6 | 4 | 20.963 | 20.973 | -20.973 | 0.0 | -0.010 | -0.003 |
| 20 | 6 | 4 | 59.253 | 57.867 | 57.867 | 0.0 | 1.386 | 0.930 |
| 18 | 7 | 4 | 11.850 | 1.213 | -1.213 | 0.0 | 10.438 | 2.609 |
| 17 | 7 | 4 | 12.130 | 6.972 | 6.972 | 0.0 | 5.158 | 1.249 |
| 16 | 7 | 4 | 15.811 | 11.455 | 11.455 | 0.0 | 4.356 | 1.212 |
| 15 | 7 | 4 | 38.828 | 43.265 | -43.265 | 0.0 | -4.436 | -2.172 |
| 14 | 7 | 4 | 30.765 | 27.680 | 27.680 | 0.0 | 3.085 | 1.460 |
| 13 | 7 | 4 | 9.046 | 6.775 | 6.775 | 0.0 | 2.271 | 0.486 |
| 12 | 7 | 4 | 6.777 | 3.625 | 3.625 | 0.0 | 3.152 | 0.539 |
| 11 | 7 | 4 | 46.276 | 50.529 | -50.529 | 0.0 | -3.553 | -2.026 |
| 10 | 7 | 4 | 28.739 | 27.597 | 27.597 | 0.0 | 1.143 | 0.577 |
| 9 | 7 | 4 | 29.089 | 28.010 | 28.010 | 0.0 | 1.079 | 0.593 |
| 6 | 7 | 4 | 5.861 | 17.154 | 17.154 | 0.0 | -11.293 | -1.718 |
| 5 | 7 | 4 | 13.410 | 14.186 | 14.186 | 0.0 | -0.776 | -0.267 |
| 3 | 7 | 4 | 24.807 | 24.980 | 24.980 | 0.0 | -0.174 | -0.086 |
| 2 | 7 | 4 | 7.752 | 5.884 | -5.884 | 0.0 | 1.867 | 0.386 |
| 0 | 6 | 0 | 379.843 | 405.108 | 405.108 | 0.0 | -25.265 | -3.676 |
| 1 | 7 | 4 | 31.404 | 36.172 | 36.172 | 0.0 | -4.678 | -2.432 |
| 0 | 8 | 4 | 62.493 | 62.868 | -62.868 | 0.0 | -0.375 | -0.248 |
| 1 | 8 | 4 | 14.269 | 11.183 | -11.183 | 0.0 | 3.085 | 1.024 |
| 3 | 8 | 4 | 15.827 | 10.303 | 10.303 | 0.0 | 5.624 | 2.034 |
| 4 | 8 | 4 | 41.382 | 44.915 | 44.915 | 0.0 | -3.533 | -2.152 |
| 5 | 8 | 4 | 35.036 | 37.178 | 37.178 | 0.0 | -2.142 | -1.323 |
| 7 | 8 | 4 | 11.097 | 6.611 | 6.611 | 0.0 | 4.486 | 1.086 |
| 8 | 8 | 4 | 52.840 | 54.555 | -54.555 | 0.0 | -1.715 | -1.056 |
| 9 | 8 | 4 | 28.667 | 26.770 | 26.770 | 0.0 | 1.897 | 0.986 |
| 10 | 8 | 4 | 4.305 | 9.219 | -9.219 | 0.0 | -4.914 | -0.673 |
| 11 | 8 | 4 | 14.836 | 14.304 | -14.304 | 0.0 | 0.532 | 0.149 |
| 12 | 8 | 4 | 48.058 | 45.763 | 45.763 | 0.0 | 2.295 | 1.454 |
| 13 | 8 | 4 | 11.374 | 3.700 | 3.700 | 0.0 | 7.674 | 1.838 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 14 | 8 | 4 | 16.320 | 10.699 | 10.699 | 0.0 | 5.621 | 1.680 |
| 15 | 8 | 4 | 20.759 | 20.260 | 20.260 | 0.0 | 0.499 | 0.174 |
| 16 | 9 | 4 | 30.823 | 31.570 | -31.570 | 0.0 | -0.747 | -0.335 |
| 14 | 9 | 4 | 3.739 | 1.683 | -1.683 | 0.0 | 2.055 | 0.249 |
| 13 | 9 | 4 | 10.864 | 7.891 | -7.891 | 0.0 | 2.974 | 0.649 |
| 0 | 8 | 0 | 379.898 | 405.108 | 405.108 | 0.0 | -25.110 | -3.643 |
| 12 | 9 | 4 | 13.047 | 11.505 | -11.505 | 0.0 | 1.542 | 0.365 |
| 9 | 9 | 4 | 26.394 | 29.833 | 29.833 | 0.0 | -3.439 | -1.327 |
| 9 | 9 | 4 | 10.675 | 4.643 | -4.643 | 0.0 | 6.033 | 1.338 |
| 7 | 9 | 4 | 13.847 | 6.230 | 6.230 | 0.0 | 7.616 | 2.237 |
| 6 | 9 | 4 | 11.795 | 8.712 | 8.712 | 0.0 | 3.083 | 0.803 |
| 5 | 9 | 4 | 11.083 | 12.364 | 12.364 | 0.0 | -1.281 | -0.281 |
| 3 | 9 | 4 | 15.826 | 19.340 | -19.340 | 0.0 | -3.514 | -0.974 |
| 1 | 9 | 4 | 10.821 | 4.713 | -4.713 | 0.0 | 6.108 | 1.521 |
| 0 | 10 | 4 | 9.275 | 7.058 | -7.058 | 0.0 | 2.191 | 0.435 |
| 1 | 10 | 4 | 20.878 | 18.421 | 18.421 | 0.0 | 2.556 | 0.965 |
| 2 | 10 | 4 | 6.995 | 6.723 | -6.723 | 0.0 | 0.272 | 0.048 |
| 3 | 10 | 4 | 27.370 | 25.650 | -25.650 | 0.0 | 1.720 | 0.747 |
| 4 | 10 | 4 | 36.757 | 36.582 | -36.582 | 0.0 | 0.175 | 0.096 |
| 5 | 10 | 4 | 19.376 | 18.543 | 18.543 | 0.0 | 0.833 | 0.276 |
| 0 | 6 | 0 | 379.746 | 405.108 | 405.108 | 0.0 | -25.362 | -3.691 |
| 8 | 10 | 4 | 27.691 | 26.932 | 26.932 | 0.0 | 0.758 | 0.321 |
| 11 | 10 | 4 | 8.139 | 13.325 | 13.325 | 0.0 | -5.196 | -0.827 |
| 7 | 11 | 4 | 17.703 | 25.401 | 25.401 | 0.0 | -7.698 | -1.805 |
| 6 | 11 | 4 | 70.893 | 68.643 | 68.643 | 0.0 | 2.250 | 1.378 |
| 5 | 11 | 4 | 21.079 | 25.223 | -25.223 | 0.0 | -4.144 | -1.222 |
| 3 | 11 | 4 | 16.087 | 19.678 | -19.678 | 0.0 | -3.590 | -0.928 |
| 2 | 11 | 4 | 86.725 | 86.316 | -86.316 | 0.0 | 0.409 | 0.221 |
| 1 | 11 | 4 | 23.220 | 21.436 | -21.436 | 0.0 | 1.784 | 0.681 |
| 0 | 10 | 5 | 37.034 | 33.176 | -33.176 | 0.0 | 3.858 | 2.320 |
| 1 | 10 | 5 | 10.617 | 6.764 | -6.764 | 0.0 | 3.853 | 0.825 |
| 2 | 10 | 5 | 31.552 | 29.984 | 29.984 | 0.0 | 1.568 | 0.732 |
| 4 | 10 | 5 | 10.806 | 13.560 | 13.560 | 0.0 | -2.754 | -0.546 |
| 5 | 10 | 5 | 24.399 | 22.034 | -22.034 | 0.0 | 2.365 | 0.955 |
| 10 | 9 | 5 | 79.049 | 78.657 | 78.657 | 0.0 | 0.292 | 0.225 |
| 9 | 9 | 5 | 43.280 | 43.617 | 43.617 | 0.0 | -0.336 | -0.181 |
| 8 | 9 | 5 | 38.566 | 40.151 | -40.151 | 0.0 | -1.585 | -0.739 |
| 0 | 6 | 0 | 380.889 | 405.108 | 405.108 | 0.0 | -24.219 | -3.509 |
| 7 | 9 | 5 | 39.967 | 39.603 | 39.603 | 0.0 | 0.364 | 0.198 |
| 6 | 9 | 5 | 55.664 | 54.112 | -54.112 | 0.0 | 1.552 | 0.973 |
| 5 | 9 | 5 | 51.581 | 51.092 | -51.092 | 0.0 | 0.489 | 0.302 |
| 4 | 9 | 5 | 9.628 | 2.262 | -2.262 | 0.0 | 7.366 | 1.485 |
| 3 | 9 | 5 | 60.426 | 59.335 | -59.335 | 0.0 | 1.091 | 0.676 |
| 2 | 9 | 5 | 53.220 | 52.927 | 52.927 | 0.0 | 0.293 | 0.167 |
| 0 | 8 | 5 | 41.601 | 42.489 | -42.489 | 0.0 | -0.888 | -0.515 |
| 1 | 8 | 5 | 49.154 | 50.396 | 50.396 | 0.0 | -1.242 | -0.745 |
| 2 | 8 | 5 | 51.684 | 55.311 | -55.311 | 0.0 | -3.627 | -1.998 |
| 3 | 8 | 5 | 38.522 | 39.381 | 39.381 | 0.0 | -0.859 | -0.469 |
| 4 | 8 | 5 | 84.302 | 89.187 | 89.187 | 0.0 | -4.885 | -2.734 |
| 5 | 8 | 5 | 29.876 | 30.040 | -30.040 | 0.0 | -0.164 | -0.070 |
| 6 | 8 | 5 | 6.239 | 6.223 | -6.223 | 0.0 | 0.016 | 0.003 |
| 7 | 8 | 5 | 18.289 | 11.459 | -11.459 | 0.0 | 6.840 | 2.293 |
| 8 | 8 | 5 | 69.188 | 68.618 | -68.618 | 0.0 | 0.570 | 0.352 |

| H | K | L | F(ORS) | F(CALC) | A(FALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 9 | 8 | 5 | 61.349 | 60.786 | 60.786 | 0.0 | 0.563 | 0.331 |
| 11 | 8 | 5 | 76.338 | 78.464 | 78.464 | 0.0 | -2.127 | -1.203 |
| 12 | 8 | 5 | 65.340 | 65.855 | 65.855 | 0.0 | -0.515 | -0.322 |
| 0 | 6 | 0 | 379.185 | 405.108 | 405.108 | 0.0 | -25.923 | -3.775 |
| 13 | 8 | 5 | 11.505 | 8.098 | 8.098 | 0.0 | 3.407 | 0.768 |
| 15 | 7 | 5 | 18.096 | 18.425 | 18.425 | 0.0 | -0.329 | -0.097 |
| 11 | 7 | 5 | 26.077 | 25.189 | 25.189 | 0.0 | 1.788 | 0.758 |
| 11 | 7 | 5 | 11.214 | 7.230 | -7.230 | 0.0 | 3.984 | 0.901 |
| 8 | 7 | 5 | 27.326 | 27.570 | 27.570 | 0.0 | -0.244 | -0.110 |
| 7 | 7 | 5 | 6.574 | 9.468 | 9.468 | 0.0 | -2.895 | -0.458 |
| 6 | 7 | 5 | 20.046 | 18.569 | -18.569 | 0.0 | 1.477 | 0.546 |
| 5 | 7 | 5 | 17.353 | 22.029 | 22.029 | 0.0 | -4.676 | -1.403 |
| 4 | 7 | 5 | 26.554 | 26.262 | 26.262 | 0.0 | 0.292 | 0.135 |
| 3 | 7 | 5 | 26.278 | 31.470 | 31.470 | 0.0 | -5.192 | -2.085 |
| 1 | 7 | 5 | 13.803 | 15.254 | 15.254 | 0.0 | -1.451 | -0.396 |
| 0 | 6 | 5 | 12.654 | 10.488 | -10.488 | 0.0 | 2.166 | 0.667 |
| 1 | 6 | 5 | 17.179 | 15.747 | -15.747 | 0.0 | 1.432 | 0.494 |
| 2 | 6 | 5 | 16.466 | 16.607 | 16.607 | 0.0 | -0.141 | -0.047 |
| 3 | 6 | 5 | 15.418 | 17.245 | -17.245 | 0.0 | -1.827 | -0.587 |
| 0 | 6 | 0 | 380.618 | 405.108 | 405.108 | 0.0 | -24.490 | -3.550 |
| 5 | 6 | 5 | 8.668 | 13.761 | -13.761 | 0.0 | -5.093 | -1.048 |
| 7 | 6 | 5 | 6.268 | 10.448 | -10.448 | 0.0 | -4.180 | -0.653 |
| 8 | 6 | 5 | 7.679 | 11.159 | -11.159 | 0.0 | -3.521 | -0.627 |
| 9 | 6 | 5 | 11.632 | 2.027 | 2.027 | 0.0 | 9.606 | 2.317 |
| 10 | 6 | 5 | 14.050 | 12.928 | -12.928 | 0.0 | 1.123 | 0.290 |
| 11 | 6 | 5 | 12.727 | 3.420 | 3.420 | 0.0 | 9.307 | 2.414 |
| 12 | 6 | 5 | 11.374 | 4.573 | 4.573 | 0.0 | 6.800 | 1.629 |
| 13 | 6 | 5 | 21.647 | 16.763 | 16.763 | 0.0 | 4.884 | 1.917 |
| 15 | 6 | 5 | 10.166 | 9.478 | 9.478 | 0.0 | 0.688 | 0.136 |
| 17 | 6 | 5 | 9.788 | 7.248 | -7.248 | 0.0 | 2.250 | 0.498 |
| 18 | 5 | 5 | 20.439 | 19.985 | 19.985 | 0.0 | 0.454 | 0.137 |
| 16 | 5 | 5 | 7.941 | 2.428 | 2.428 | 0.0 | 5.513 | 1.005 |
| 15 | 5 | 5 | 21.822 | 12.797 | -12.797 | 0.0 | 9.025 | 4.052 |
| 14 | 5 | 5 | 33.913 | 33.527 | -33.527 | 0.0 | 0.386 | 0.187 |
| 13 | 5 | 5 | 23.962 | 16.988 | -16.988 | 0.0 | 6.974 | 3.012 |
| 0 | 6 | 0 | 375.050 | 405.108 | 405.108 | 0.0 | -26.058 | -3.756 |
| 12 | 5 | 5 | 26.846 | 27.347 | 27.347 | 0.0 | -0.502 | -0.200 |
| 11 | 5 | 5 | 11.577 | 14.678 | -14.678 | 0.0 | -3.100 | -0.687 |
| 10 | 5 | 5 | 44.157 | 43.974 | 43.974 | 0.0 | 0.182 | 0.114 |
| 9 | 5 | 5 | 33.899 | 33.897 | 33.897 | 0.0 | 0.011 | 0.006 |
| 8 | 5 | 5 | 8.272 | 6.974 | 6.974 | 0.0 | 1.897 | 0.413 |
| 7 | 5 | 5 | 43.266 | 40.577 | 40.577 | 0.0 | 2.689 | 1.805 |
| 6 | 5 | 5 | 58.828 | 62.570 | -62.570 | 0.0 | -3.741 | -2.503 |
| 5 | 5 | 5 | 15.462 | 11.532 | -11.532 | 0.0 | 3.930 | 1.392 |
| 4 | 5 | 5 | 10.966 | 10.846 | 10.846 | 0.0 | 0.122 | 0.032 |
| 3 | 5 | 5 | 5.454 | 1.707 | -1.707 | 0.0 | 3.746 | 0.630 |
| 2 | 5 | 5 | 36.803 | 35.079 | 35.079 | 0.0 | 1.874 | 1.247 |
| 1 | 5 | 5 | 16.400 | 13.655 | -13.655 | 0.0 | 0.751 | 0.227 |
| 0 | 4 | 5 | 9.119 | 13.220 | -13.220 | 0.0 | -4.101 | -0.972 |
| 1 | 4 | 5 | 19.129 | 17.508 | -17.508 | 0.0 | 1.621 | 0.671 |
| 2 | 4 | 5 | 45.121 | 46.031 | 46.031 | 0.0 | -0.910 | -0.656 |
| 3 | 4 | 5 | 13.730 | 19.037 | -19.037 | 0.0 | -5.306 | -1.501 |
| 4 | 4 | 5 | 32.412 | 32.336 | -32.336 | 0.0 | 0.075 | 0.047 |

| H | K | L | F(CRS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 5 | 4 | 5 | 1.847 | 9.576 | 9.576 | 0.0 | -7.729 | -0.898 |
| 6 | 4 | 5 | 22.128 | 21.373 | 21.373 | 0.0 | 0.754 | 0.343 |
| 7 | 4 | 5 | 5.090 | 2.762 | 2.762 | 0.0 | 2.328 | 0.452 |
| 0 | 6 | 0 | 375.746 | 405.108 | 405.108 | 0.0 | -29.362 | -3.691 |
| 14 | 7 | 5 | 10.195 | 8.004 | -8.004 | 0.0 | 2.191 | 0.430 |
| 8 | 4 | 5 | 7.606 | 6.533 | 6.533 | 0.0 | 1.074 | 0.212 |
| 9 | 4 | 5 | 43.368 | 43.298 | -43.298 | 0.0 | 0.070 | 0.043 |
| 11 | 4 | 5 | 46.786 | 47.489 | -47.489 | 0.0 | -0.703 | -0.445 |
| 12 | 4 | 5 | 11.606 | 12.613 | -12.613 | 0.0 | -1.007 | -0.235 |
| 13 | 4 | 5 | 20.162 | 24.491 | -24.491 | 0.0 | 4.671 | 2.357 |
| 14 | 4 | 5 | 9.327 | 2.354 | -2.354 | 0.0 | 6.783 | 1.417 |
| 12 | 4 | 5 | 17.237 | 13.518 | -13.518 | 0.0 | 3.719 | 1.259 |
| 16 | 4 | 5 | 18.547 | 15.785 | 15.785 | 0.0 | 2.762 | 0.912 |
| 17 | 4 | 5 | 26.234 | 26.108 | -26.108 | 0.0 | 0.126 | 0.051 |
| 18 | 4 | 5 | 30.881 | 30.023 | -20.023 | 0.0 | 0.788 | 0.395 |
| 20 | 3 | 5 | 32.228 | 32.773 | 32.773 | 0.0 | 0.455 | 0.210 |
| 19 | 3 | 5 | 16.931 | 10.401 | -10.401 | 0.0 | 6.531 | 2.158 |
| 18 | 3 | 5 | 18.622 | 31.221 | 31.221 | 0.0 | -2.226 | -1.477 |
| 17 | 3 | 5 | 66.573 | 60.942 | 68.942 | 0.0 | -2.369 | -1.356 |
| 16 | 3 | 5 | 49.800 | 50.989 | -50.989 | 0.0 | -1.090 | -0.611 |
| 15 | 3 | 5 | 55.587 | 55.736 | 55.736 | 0.0 | 0.251 | 0.156 |
| 14 | 3 | 5 | 57.671 | 48.196 | -59.196 | 0.0 | -1.525 | -0.938 |
| 13 | 3 | 5 | 52.635 | 53.741 | -53.741 | 0.0 | -1.106 | -0.657 |
| 0 | 6 | 0 | 380.501 | 405.108 | 405.108 | 0.0 | -24.607 | -3.567 |
| 12 | 3 | 5 | 63.520 | 62.828 | -62.828 | 0.0 | 0.692 | 0.445 |
| 11 | 3 | 5 | 40.945 | 40.254 | -40.254 | 0.0 | 0.691 | 0.426 |
| 10 | 3 | 5 | 148.551 | 147.151 | 147.151 | 0.0 | 1.400 | 0.570 |
| 9 | 3 | 5 | 69.923 | 70.223 | 70.223 | 0.0 | -0.300 | -0.198 |
| 8 | 3 | 5 | 59.708 | 58.946 | -58.946 | 0.0 | 0.761 | 0.519 |
| 7 | 3 | 5 | 61.731 | 60.738 | 60.738 | 0.0 | 0.993 | 0.713 |
| 6 | 3 | 5 | 111.971 | 110.774 | -110.774 | 0.0 | 1.196 | 0.625 |
| 5 | 3 | 5 | 79.241 | 78.607 | -78.607 | 0.0 | 0.634 | 0.410 |
| 4 | 3 | 5 | 13.890 | 13.346 | -13.346 | 0.0 | 0.544 | 0.172 |
| 3 | 3 | 5 | 106.807 | 107.267 | -107.267 | 0.0 | -0.460 | -0.247 |
| 2 | 3 | 5 | 109.417 | 112.178 | 112.178 | 0.0 | -2.761 | -1.469 |
| 1 | 3 | 5 | 10.864 | 12.534 | 12.534 | 0.0 | -1.670 | -0.427 |
| 0 | 2 | 5 | 29.453 | 29.949 | -29.949 | 0.0 | -0.496 | -0.283 |
| 1 | 2 | 5 | 44.011 | 44.171 | 44.171 | 0.0 | -0.160 | -0.112 |
| 2 | 2 | 5 | 63.007 | 61.836 | -61.836 | 0.0 | 1.171 | 0.840 |
| 3 | 2 | 5 | 37.253 | 38.051 | 38.051 | 0.0 | -0.799 | -0.532 |
| 4 | 2 | 5 | 91.341 | 91.221 | 91.221 | 0.0 | 0.120 | 0.073 |
| 5 | 2 | 5 | 40.521 | 39.121 | -39.121 | 0.0 | 1.400 | 0.950 |
| 6 | 2 | 5 | 22.797 | 18.284 | -18.284 | 0.0 | 4.513 | 2.385 |
| 7 | 2 | 5 | 19.173 | 18.994 | -18.994 | 0.0 | 0.178 | 0.069 |
| 0 | 6 | 0 | 380.405 | 405.108 | 405.108 | 0.0 | -24.704 | -3.582 |
| 8 | 2 | 5 | 60.510 | 59.438 | -59.438 | 0.0 | 1.079 | 1.079 |
| 9 | 2 | 5 | 74.968 | 72.792 | 72.792 | 0.0 | 2.176 | 1.421 |
| 10 | 2 | 5 | 4.014 | 5.373 | -5.373 | 0.0 | -1.359 | -0.193 |
| 11 | 2 | 5 | 85.543 | 84.457 | 84.457 | 0.0 | 1.086 | 0.668 |
| 12 | 2 | 5 | 57.598 | 58.447 | 58.447 | 0.0 | -0.849 | -0.552 |
| 13 | 2 | 5 | 1.105 | 11.458 | 11.458 | 0.0 | -10.353 | -1.045 |
| 14 | 2 | 5 | 12.610 | 13.495 | 13.495 | 0.0 | -0.885 | -0.229 |
| 15 | 2 | 5 | 9.279 | 10.418 | -10.418 | 0.0 | -1.139 | -0.226 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 16 | 2 | 5 | 48.160 | 51.945 | -51.945 | 0.0 | -3.785 | -2.029 |
| 17 | 2 | 5 | 33.859 | 36.481 | 36.481 | 0.0 | -2.622 | -1.173 |
| 18 | 2 | 5 | 20.250 | 20.708 | 20.708 | 0.0 | -0.458 | -0.152 |
| 19 | 2 | 5 | 18.460 | 21.410 | 21.410 | 0.0 | -2.950 | -0.874 |
| 20 | 2 | 5 | 23.715 | 24.627 | 24.627 | 0.0 | -0.912 | -0.330 |
| 20 | 1 | 5 | 19.420 | 17.705 | 17.705 | 0.0 | 1.715 | 0.598 |
| 19 | 1 | 5 | 13.265 | 9.467 | -9.467 | 0.0 | 3.797 | 0.913 |
| 17 | 1 | 5 | 12.217 | 14.049 | -14.049 | 0.0 | -1.832 | -0.427 |
| 16 | 1 | 5 | 13.323 | 2.237 | 2.237 | 0.0 | 11.086 | 2.731 |
| 15 | 1 | 5 | 21.662 | 23.080 | -23.080 | 0.0 | -1.418 | -0.535 |
| 14 | 1 | 5 | 34.147 | 30.097 | -30.097 | 0.0 | 4.049 | 2.458 |
| 0 | 6 | 0 | 380.172 | 405.108 | 405.108 | 0.0 | -24.936 | -3.616 |
| 13 | 1 | 5 | 18.295 | 15.267 | -15.267 | 0.0 | 3.018 | 1.185 |
| 12 | 1 | 5 | 39.398 | 38.318 | 38.318 | 0.0 | 1.079 | 0.732 |
| 11 | 1 | 5 | 6.050 | 12.514 | -12.514 | 0.0 | -6.464 | -1.046 |
| 10 | 1 | 5 | 24.025 | 24.840 | 24.840 | 0.0 | -0.805 | -0.359 |
| 9 | 1 | 5 | 17.179 | 18.371 | 18.371 | 0.0 | -1.192 | -0.443 |
| 8 | 1 | 5 | 22.870 | 20.126 | 20.126 | 0.0 | 2.744 | 1.318 |
| 7 | 1 | 5 | 26.598 | 25.983 | 25.983 | 0.0 | 0.615 | 0.327 |
| 6 | 1 | 5 | 59.517 | 57.912 | -57.912 | 0.0 | 1.605 | 1.217 |
| 5 | 1 | 5 | 5.454 | 6.166 | -6.166 | 0.0 | -0.714 | -0.122 |
| 4 | 1 | 5 | 20.861 | 21.141 | 21.141 | 0.0 | -0.280 | -0.133 |
| 3 | 1 | 5 | 17.572 | 16.994 | 16.994 | 0.0 | 0.578 | 0.236 |
| 2 | 1 | 5 | 20.366 | 21.833 | 21.833 | 0.0 | -1.467 | -0.638 |
| 1 | 1 | 5 | 14.734 | 12.194 | 12.194 | 0.0 | 2.540 | 0.909 |
| 1 | 0 | 6 | 152.362 | 149.630 | -149.630 | 0.0 | 2.732 | 1.083 |
| 3 | 0 | 6 | 63.271 | 62.491 | -62.491 | 0.0 | 0.780 | 0.321 |
| 4 | 0 | 6 | 36.465 | 35.717 | -35.717 | 0.0 | 0.748 | 0.488 |
| 5 | 0 | 6 | 78.813 | 79.420 | 78.420 | 0.0 | 0.393 | 0.247 |
| 6 | 0 | 6 | 11.272 | 1.898 | 1.898 | 0.0 | 9.374 | 2.507 |
| 0 | 6 | 0 | 378.470 | 405.108 | 405.108 | 0.0 | -26.638 | -3.894 |
| 7 | 0 | 6 | 129.848 | 127.337 | 127.337 | 0.0 | 2.512 | 1.133 |
| 8 | 0 | 6 | 19.862 | 18.637 | 18.637 | 0.0 | 1.205 | 0.470 |
| 9 | 0 | 6 | 34.876 | 34.034 | -34.034 | 0.0 | 0.841 | 0.477 |
| 10 | 0 | 6 | 25.986 | 24.297 | 24.297 | 0.0 | 1.689 | 0.773 |
| 11 | 0 | 6 | 41.704 | 40.798 | -40.798 | 0.0 | 0.904 | 0.525 |
| 12 | 0 | 6 | 18.343 | 12.104 | -12.104 | 0.0 | 6.239 | 2.317 |
| 13 | 0 | 6 | 107.865 | 105.192 | 105.192 | 0.0 | 2.673 | 1.358 |
| 14 | 0 | 6 | 11.490 | 1.880 | -1.880 | 0.0 | 9.610 | 2.124 |
| 15 | 0 | 6 | 106.360 | 106.033 | 106.033 | 0.0 | 0.326 | 0.167 |
| 16 | 0 | 6 | 21.487 | 18.863 | 18.863 | 0.0 | 2.625 | 0.875 |
| 17 | 0 | 6 | 48.730 | 50.065 | -50.065 | 0.0 | -1.335 | -0.702 |
| 17 | 1 | 6 | 7.854 | 1.041 | -1.041 | 0.0 | 6.812 | 1.123 |
| 16 | 1 | 6 | 18.911 | 21.203 | 21.203 | 0.0 | -2.292 | -0.653 |
| 15 | 1 | 6 | 43.397 | 41.608 | -41.608 | 0.0 | 1.789 | 1.075 |
| 13 | 1 | 6 | 83.268 | 84.795 | 84.795 | 0.0 | -1.527 | -0.869 |
| 12 | 1 | 6 | 16.411 | 15.988 | 15.988 | 0.0 | 0.423 | 0.214 |
| 10 | 1 | 6 | 12.436 | 10.996 | -10.996 | 0.0 | 1.440 | 0.366 |
| 9 | 1 | 6 | 12.785 | 4.815 | 4.815 | 0.0 | 7.970 | 2.099 |
| 0 | 6 | 0 | 378.934 | 405.108 | 405.108 | 0.0 | -26.175 | -3.813 |
| 8 | 1 | 6 | 3.272 | 6.291 | -6.291 | 0.0 | -3.019 | -0.377 |
| 7 | 1 | 6 | 53.460 | 53.910 | -53.910 | 0.0 | -0.470 | -0.300 |
| 6 | 1 | 6 | 13.294 | 12.167 | -12.167 | 0.0 | 1.127 | 0.330 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DLTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 5 | 1 | 6 | 21.735 | 21.893 | 21.893 | 0.0 | -0.158 | -0.065 |
| 4 | 1 | 6 | 8.435 | 15.850 | -15.850 | 0.0 | -7.415 | -1.370 |
| 3 | 1 | 6 | 5.715 | 6.640 | 6.640 | 0.0 | -0.925 | -0.157 |
| 2 | 1 | 6 | 7.228 | 2.764 | -2.764 | 0.0 | 4.464 | 0.857 |
| 1 | 1 | 6 | 80.523 | 81.551 | -81.551 | 0.0 | -1.028 | -0.633 |
| 0 | 2 | 6 | 26.015 | 27.334 | 27.334 | 0.0 | -1.318 | -0.616 |
| 1 | 2 | 6 | 25.535 | 28.699 | -28.699 | 0.0 | -3.164 | -1.530 |
| 2 | 2 | 6 | 26.409 | 26.812 | 26.812 | 0.0 | -0.404 | -0.202 |
| 3 | 2 | 6 | 48.058 | 50.986 | -50.986 | 0.0 | -2.928 | -1.758 |
| 4 | 2 | 6 | 19.027 | 15.436 | -15.436 | 0.0 | 3.591 | 1.443 |
| 5 | 2 | 6 | 17.324 | 19.353 | 19.353 | 0.0 | -2.029 | -0.655 |
| 6 | 2 | 6 | 27.559 | 25.329 | -25.329 | 0.0 | 2.231 | 1.086 |
| 7 | 2 | 6 | 6.065 | 5.750 | -5.750 | 0.0 | 0.314 | 0.052 |
| 8 | 2 | 6 | 14.938 | 20.606 | 20.606 | 0.0 | -5.668 | -1.459 |
| 9 | 2 | 6 | 16.771 | 15.592 | -15.592 | 0.0 | 1.269 | 0.391 |
| 10 | 2 | 6 | 22.506 | 23.715 | -23.715 | 0.0 | -1.209 | -0.454 |
| 11 | 2 | 6 | 47.298 | 46.630 | -46.630 | 0.0 | 0.668 | 0.394 |
| 0 | 6 | 0 | 378.412 | 405.108 | 405.108 | 0.0 | -26.696 | -3.903 * |
| 12 | 2 | 6 | 17.397 | 14.156 | -14.156 | 0.0 | 3.241 | 1.008 |
| 13 | 2 | 6 | 12.261 | 3.939 | 3.939 | 0.0 | 8.322 | 1.973 |
| 14 | 2 | 6 | 25.042 | 28.429 | 28.429 | 0.0 | 0.556 | 0.245 |
| 16 | 2 | 6 | 12.843 | 10.254 | -10.254 | 0.0 | 2.589 | 0.607 |
| 16 | 3 | 6 | 17.208 | 12.407 | -12.407 | 0.0 | 4.801 | 1.416 |
| 15 | 3 | 6 | 13.512 | 4.242 | 4.242 | 0.0 | 9.270 | 2.351 |
| 12 | 3 | 6 | 12.959 | 10.749 | -10.749 | 0.0 | 2.190 | 0.525 |
| 11 | 3 | 6 | 2.880 | 0.839 | 0.839 | 0.0 | 2.041 | 0.237 |
| 10 | 3 | 6 | 7.272 | 1.252 | 1.252 | 0.0 | 2.020 | 0.247 |
| 9 | 3 | 6 | 11.054 | 2.892 | 2.892 | 0.0 | 8.162 | 1.908 |
| 7 | 3 | 6 | 17.105 | 12.272 | -12.272 | 0.0 | 4.834 | 1.721 |
| 5 | 3 | 6 | 14.516 | 5.547 | -5.547 | 0.0 | 8.965 | 2.964 |
| 4 | 3 | 6 | 18.649 | 20.768 | 20.768 | 0.0 | -2.119 | -0.707 |
| 3 | 3 | 6 | 8.712 | 6.711 | -6.711 | 0.0 | 2.000 | 0.417 |
| 2 | 3 | 6 | 1.315 | 5.906 | 5.906 | 0.0 | 5.419 | 1.434 |
| 0 | 6 | 0 | 386.095 | 405.108 | 405.108 | 0.0 | -25.013 | -3.628 * |
| 0 | 4 | 6 | 26.817 | 27.795 | 27.795 | 0.0 | -0.979 | -0.454 |
| 1 | 4 | 6 | 15.447 | 15.205 | 15.205 | 0.0 | 0.242 | -0.074 |
| 3 | 4 | 6 | 33.826 | 38.580 | -38.580 | 0.0 | -4.754 | -2.346 |
| 4 | 4 | 6 | 9.014 | 9.723 | -9.723 | 0.0 | -1.709 | -0.304 |
| 5 | 4 | 6 | 13.047 | 3.550 | 3.550 | 0.0 | 9.496 | 2.731 |
| 6 | 4 | 6 | 8.843 | 10.786 | -10.786 | 0.0 | -1.943 | -0.369 |
| 7 | 4 | 6 | 8.552 | 15.604 | 15.604 | 0.0 | -7.053 | -1.243 |
| 8 | 4 | 6 | 16.902 | 16.141 | -16.141 | 0.0 | 0.761 | 0.231 |
| 9 | 4 | 6 | 12.974 | 11.715 | -11.715 | 0.0 | 1.259 | 0.303 |
| 10 | 4 | 6 | 9.846 | 6.956 | 6.956 | 0.0 | 2.890 | 0.598 |
| 11 | 4 | 6 | 11.417 | 17.425 | -17.425 | 0.0 | -6.008 | -1.170 |
| 12 | 4 | 6 | 10.094 | 13.961 | -13.961 | 0.0 | -3.868 | -0.715 |
| 13 | 4 | 6 | 19.583 | 19.164 | -19.164 | 0.0 | -0.418 | -0.057 |
| 14 | 4 | 6 | 10.515 | 5.625 | 5.625 | 0.0 | 4.891 | 0.995 |
| 15 | 4 | 6 | 7.039 | 3.818 | 3.818 | 0.0 | 3.221 | 0.560 |
| 13 | 5 | 6 | 94.349 | 92.140 | -92.140 | 0.0 | 2.209 | 1.221 |
| 12 | 5 | 6 | 15.605 | 3.994 | 3.994 | 0.0 | 11.700 | 3.659 * |
| 0 | 6 | 0 | 377.524 | 405.108 | 405.108 | 0.0 | -27.584 | -4.028 * |
| 11 | 5 | 6 | 27.953 | 26.712 | -26.712 | 0.0 | 1.241 | 0.539 |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 10 | 5 | 6 | 20.090 | 15.828 | 15.828 | 0.0 | 4.262 | 1.561 |
| 9 | 5 | 6 | 16.655 | 15.695 | 15.695 | 0.0 | 0.960 | 0.277 |
| 8 | 5 | 6 | 11.926 | 12.641 | -12.641 | 0.0 | -0.715 | -0.160 |
| 7 | 5 | 6 | 74.482 | 75.243 | -75.243 | 0.0 | -1.461 | -0.870 |
| 6 | 5 | 6 | 10.326 | 7.495 | 7.495 | 0.0 | 2.831 | 0.608 |
| 5 | 5 | 6 | 60.416 | 63.230 | -63.230 | 0.0 | -2.614 | -1.578 |
| 4 | 5 | 6 | 7.155 | 8.949 | -8.949 | 0.0 | -1.793 | -0.288 |
| 3 | 5 | 6 | 21.458 | 21.037 | -21.037 | 0.0 | 0.421 | 0.155 |
| 2 | 5 | 6 | 20.293 | 19.071 | 19.071 | 0.0 | 1.223 | 0.431 |
| 1 | 5 | 6 | 101.135 | 102.116 | 102.116 | 0.0 | -0.981 | -0.528 |
| 0 | 6 | 6 | 11.345 | 9.443 | -9.443 | 0.0 | 1.902 | 0.408 |
| 1 | 6 | 6 | 118.332 | 121.486 | -121.486 | 0.0 | -3.154 | -1.514 |
| 2 | 6 | 6 | 17.691 | 15.953 | 15.953 | 0.0 | 1.648 | 0.508 |
| 3 | 6 | 6 | 31.537 | 33.756 | -33.756 | 0.0 | -2.219 | -0.970 |
| 4 | 6 | 6 | 25.466 | 26.883 | -26.883 | 0.0 | -1.317 | -0.497 |
| 5 | 6 | 6 | 60.235 | 59.007 | 59.007 | 0.0 | 1.228 | 0.791 |
| 6 | 6 | 6 | 12.705 | 6.083 | -6.083 | 0.0 | 6.702 | 1.572 |
| 7 | 6 | 6 | 85.206 | 85.844 | -85.844 | 0.0 | -0.537 | -0.303 |
| 8 | 6 | 6 | 19.799 | 19.346 | 19.346 | 0.0 | 0.453 | 0.150 |
| 9 | 6 | 6 | 12.610 | 10.692 | -10.692 | 0.0 | 1.918 | 0.450 |
| 10 | 6 | 6 | 14.240 | 2.862 | -2.862 | 0.0 | 11.377 | 3.278 |
| 11 | 6 | 6 | 36.761 | 36.440 | -36.440 | 0.0 | -0.179 | -0.089 |
| 10 | 7 | 6 | 5.386 | 0.358 | -0.358 | 0.0 | 5.037 | 0.705 |
| 9 | 7 | 6 | 28.462 | 25.856 | 25.856 | 0.0 | 2.606 | 1.139 |
| 8 | 7 | 6 | 6.312 | 0.040 | -0.040 | 0.0 | 6.271 | 0.987 |
| 7 | 7 | 6 | 26.715 | 25.974 | -25.974 | 0.0 | 0.789 | 0.320 |
| 6 | 7 | 6 | 23.016 | 23.815 | -23.815 | 0.0 | -0.800 | -0.293 |
| 4 | 7 | 6 | 14.472 | 10.973 | 10.973 | 0.0 | 3.499 | 1.032 |
| 3 | 7 | 6 | 32.966 | 31.652 | -31.652 | 0.0 | 1.314 | 0.530 |
| 1 | 7 | 6 | 23.278 | 20.808 | -20.808 | 0.0 | 2.469 | 0.942 |
| 0 | 8 | 6 | 21.473 | 23.645 | -23.645 | 0.0 | -2.172 | -0.739 |
| 1 | 8 | 6 | 29.075 | 25.934 | -25.934 | 0.0 | 3.140 | 1.400 |
| 2 | 8 | 6 | 15.505 | 8.195 | 8.195 | 0.0 | 7.310 | 2.076 |
| 3 | 8 | 6 | 40.857 | 43.338 | -43.338 | 0.0 | -2.481 | -1.141 |
| 5 | 8 | 6 | 20.759 | 21.015 | 21.015 | 0.0 | -0.256 | -0.085 |
| 6 | 8 | 6 | 16.349 | 10.452 | -10.452 | 0.0 | 5.897 | 1.894 |
| 6 | 5 | 7 | 18.081 | 13.106 | -13.106 | 0.0 | 4.975 | 1.590 |
| 5 | 5 | 7 | 3.170 | 8.100 | -8.100 | 0.0 | -4.930 | -0.562 |
| 4 | 5 | 7 | 21.312 | 24.368 | -24.368 | 0.0 | -3.056 | -1.029 |
| 3 | 5 | 7 | 15.564 | 18.790 | -18.790 | 0.0 | -3.227 | -0.821 |
| 2 | 5 | 7 | 14.823 | 16.096 | -16.096 | 0.0 | -1.173 | -0.291 |
| 1 | 5 | 7 | 47.824 | 49.349 | -49.349 | 0.0 | -1.525 | -0.869 |
| 1 | 4 | 7 | 23.831 | 24.363 | 24.363 | 0.0 | -0.532 | -0.197 |
| 2 | 4 | 7 | 27.195 | 31.250 | 31.250 | 0.0 | -4.055 | -1.521 |
| 3 | 4 | 7 | 10.326 | 7.745 | -7.745 | 0.0 | 2.581 | 0.525 |
| 4 | 4 | 7 | 30.945 | 29.631 | -29.631 | 0.0 | 0.915 | 0.400 |
| 5 | 4 | 7 | 25.812 | 22.937 | -22.937 | 0.0 | 2.975 | 1.253 |
| 7 | 4 | 7 | 15.360 | 11.778 | -11.778 | 0.0 | 3.582 | 0.940 |
| 8 | 4 | 7 | 17.514 | 17.395 | -17.395 | 0.0 | 0.118 | 0.033 |
| 10 | 3 | 7 | 79.182 | 78.332 | -78.332 | 0.0 | 0.849 | 0.480 |
| 9 | 3 | 7 | 62.447 | 63.058 | -63.058 | 0.0 | 0.389 | 0.230 |
| 8 | 3 | 7 | 31.071 | 32.208 | -32.208 | 0.0 | -1.137 | -0.482 |
| 7 | 3 | 7 | 69.511 | 70.224 | -70.224 | 0.0 | -0.713 | -0.407 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|--------|---------|---------|---------|---------|-------------|
| 6 | 3 | 7 | 51.625 | 50.742 | -50.742 | 0.0 | 0.884 | 0.508 |
| 5 | 3 | 7 | 79.123 | 77.164 | 77.164 | 0.0 | 1.958 | 1.135 |
| 3 | 3 | 7 | 93.820 | 95.676 | 95.676 | 0.0 | -1.786 | -0.972 |
| 2 | 3 | 7 | 59.429 | 57.798 | 57.798 | 0.0 | 1.631 | 1.012 |
| 1 | 3 | 7 | 17.775 | 14.472 | -14.472 | 0.0 | 3.303 | 1.051 |
| 0 | 2 | 7 | 14.938 | 17.414 | -17.414 | 0.0 | -2.476 | -0.617 |
| 1 | 2 | 7 | 50.294 | 52.702 | -52.702 | 0.0 | -2.408 | -1.395 |
| 2 | 2 | 7 | 39.879 | 38.829 | -38.829 | 0.0 | 1.050 | 0.605 |
| 3 | 2 | 7 | 30.736 | 27.216 | -27.216 | 0.0 | 3.520 | 1.816 |
| 4 | 2 | 7 | 56.277 | 55.757 | 55.757 | 0.0 | 0.521 | 0.305 |
| 6 | 2 | 7 | 11.286 | 4.832 | -4.832 | 0.0 | 6.454 | 1.445 |
| 7 | 2 | 7 | 23.846 | 19.197 | 19.197 | 0.0 | 4.649 | 1.559 |
| 8 | 2 | 7 | 34.671 | 34.738 | -34.738 | 0.0 | -0.067 | -0.030 |
| 9 | 2 | 7 | 62.200 | 60.060 | -60.060 | 0.0 | 2.140 | 1.292 |
| 10 | 2 | 7 | 3.374 | 8.466 | 8.466 | 0.0 | -5.092 | -0.561 |
| 11 | 2 | 7 | 60.367 | 60.753 | -60.753 | 0.0 | -0.386 | -0.221 |
| 11 | 1 | 7 | 18.503 | 19.626 | 19.626 | 0.0 | -1.123 | -0.323 |
| 10 | 1 | 7 | 16.640 | 17.372 | -17.372 | 0.0 | -0.731 | -0.187 |
| 9 | 1 | 7 | 25.025 | 26.428 | -26.428 | 0.0 | -1.403 | -0.518 |
| 8 | 1 | 7 | 19.537 | 13.290 | 13.290 | 0.0 | 6.247 | 2.212 |
| 6 | 1 | 7 | 13.847 | -3.286 | -3.286 | 0.0 | 10.561 | 2.813 |
| 4 | 1 | 7 | 26.161 | 20.830 | 20.830 | 0.0 | 5.332 | 2.525 |
| 3 | 1 | 7 | 13.774 | 14.177 | 14.177 | 0.0 | -0.403 | -0.106 |
| 1 | 1 | 7 | 38.931 | 41.092 | -41.092 | 0.0 | -2.161 | -1.073 |

| H | K | L | F(IUSS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 0 | 6 | 0 | 356.742 | 372.296 | 372.296 | 0.0 | -15.554 | -2.431 |
| 4 | 0 | 0 | 187.367 | 190.282 | 190.282 | 0.0 | -2.875 | -0.972 |
| 8 | 0 | 0 | 28.950 | 28.651 | 28.651 | 0.0 | 0.098 | 0.099 |
| 8 | 0 | 0 | 101.459 | 110.064 | 110.064 | 0.0 | -8.628 | -5.342 |
| 10 | 0 | 0 | 12.912 | 8.523 | 8.523 | 0.0 | 3.989 | 1.723 |
| 12 | 0 | 0 | 290.188 | 283.575 | 283.575 | 0.0 | 6.614 | 1.340 |
| 14 | 0 | 0 | 40.104 | 39.573 | 39.573 | 0.0 | 0.536 | 0.393 |
| 16 | 0 | 0 | 174.710 | 177.929 | 177.929 | 0.0 | -3.211 | -1.139 |
| 16 | 0 | 0 | 11.250 | 5.141 | 5.141 | 0.0 | 2.149 | 0.559 |
| 20 | 0 | 0 | 173.136 | 173.073 | 173.073 | 0.0 | 0.065 | 0.323 |
| 22 | 0 | 0 | 16.287 | 15.709 | 15.709 | 0.0 | 0.578 | 0.193 |
| 26 | 0 | 0 | 22.762 | 25.475 | 25.475 | 0.0 | -2.713 | -2.136 |
| 26 | 1 | 0 | 34.600 | 37.173 | 37.173 | 0.0 | -3.173 | -1.382 |
| 24 | 1 | 0 | 17.646 | 19.752 | 19.752 | 0.0 | -2.106 | -0.640 |
| 22 | 1 | 0 | 29.316 | 30.531 | 30.531 | 0.0 | -1.216 | -0.543 |
| 20 | 1 | 0 | 20.559 | 19.436 | 19.436 | 0.0 | 1.162 | 0.510 |
| 18 | 1 | 0 | 57.355 | 56.717 | 56.717 | 0.0 | 1.179 | 0.880 |
| 16 | 1 | 0 | 11.345 | 2.756 | 2.756 | 0.0 | 9.049 | 2.653 |
| 14 | 1 | 0 | 131.508 | 121.516 | 121.516 | 0.0 | -9.992 | -0.192 |
| 12 | 1 | 0 | 8.778 | 4.361 | 4.361 | 0.0 | 4.417 | 1.209 |
| 0 | 6 | 0 | 355.059 | 372.296 | 372.296 | 0.0 | -17.733 | -2.709 |
| 10 | 1 | 0 | 42.958 | 42.851 | 42.851 | 0.0 | 0.107 | 0.095 |
| 6 | 1 | 0 | 298.269 | 262.743 | 262.743 | 0.0 | 4.479 | -1.049 |
| 4 | 1 | 0 | 10.253 | 9.199 | 9.199 | 0.0 | 1.054 | 0.565 |
| 2 | 1 | 0 | 64.780 | 65.143 | 65.143 | 0.0 | -0.363 | -0.278 |
| 0 | 2 | 0 | 13.233 | 11.554 | 11.554 | 0.0 | 1.279 | 0.376 |
| 2 | 2 | 0 | 7.624 | 2.339 | 2.339 | 0.0 | 5.285 | 2.310 |
| 4 | 2 | 0 | 192.047 | 156.133 | 156.133 | 0.0 | -3.086 | -1.006 |
| 6 | 2 | 0 | 16.357 | 18.063 | 18.063 | 0.0 | -1.956 | -1.246 |
| 8 | 2 | 0 | 86.667 | 85.661 | 85.661 | 0.0 | 0.806 | 0.571 |
| 10 | 2 | 0 | 27.382 | 28.256 | 28.256 | 0.0 | -0.375 | -0.285 |
| 12 | 2 | 0 | 11.173 | 12.710 | 12.710 | 0.0 | -1.536 | -0.467 |
| 16 | 2 | 0 | 76.344 | 77.159 | 77.159 | 0.0 | -0.814 | -0.556 |
| 18 | 2 | 0 | 7.823 | 13.515 | 13.515 | 0.0 | -6.387 | -1.171 |
| 20 | 2 | 0 | 15.356 | 20.487 | 20.487 | 0.0 | -5.051 | -1.535 |
| 22 | 2 | 0 | 19.920 | 16.037 | 16.037 | 0.0 | 2.983 | 1.097 |
| 24 | 2 | 0 | 33.257 | 36.801 | 36.801 | 0.0 | -3.504 | -1.554 |
| 26 | 2 | 0 | 15.351 | 15.860 | 15.860 | 0.0 | -0.479 | -0.111 |
| 0 | 6 | 0 | 355.823 | 372.296 | 372.296 | 0.0 | -16.473 | -2.578 |
| 24 | 3 | 0 | 13.350 | 2.695 | 2.695 | 0.0 | 10.655 | 2.784 |
| 22 | 3 | 0 | 13.467 | 10.513 | 10.513 | 0.0 | 2.954 | 0.787 |
| 20 | 3 | 0 | 6.835 | 4.048 | 4.048 | 0.0 | 2.787 | 0.533 |
| 18 | 3 | 0 | 12.561 | 12.547 | 12.547 | 0.0 | 0.014 | 0.004 |
| 16 | 3 | 0 | 12.665 | 7.553 | 7.553 | 0.0 | 4.651 | 1.553 |
| 14 | 3 | 0 | 36.420 | 40.466 | 40.466 | 0.0 | -1.945 | -0.688 |
| 12 | 3 | 0 | 15.220 | 10.323 | 10.323 | 0.0 | 4.897 | 1.883 |
| 10 | 3 | 0 | 6.674 | 2.415 | 2.415 | 0.0 | 4.255 | 1.022 |
| 8 | 3 | 0 | 9.493 | 6.220 | 6.220 | 0.0 | 3.274 | 1.186 |
| 6 | 3 | 0 | 46.945 | 45.208 | 45.208 | 0.0 | 1.737 | 1.793 |
| 4 | 3 | 0 | 27.631 | 22.583 | 22.583 | 0.0 | -0.352 | -0.309 |
| 2 | 3 | 0 | 37.911 | 36.970 | 36.970 | 0.0 | 0.941 | 1.004 |
| 0 | 4 | 0 | 25.469 | 25.366 | 25.366 | 0.0 | 0.043 | 0.040 |
| 2 | 4 | 0 | 12.079 | 10.667 | 10.667 | 0.0 | 1.212 | 0.643 |

Final

| M | K | L | F(CRS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 4 | 4 | 0 | 68.317 | 72.097 | -72.097 | 0.0 | -3.780 | -3.201 |
| 6 | 4 | J | 6.441 | 2.845 | 2.845 | 0.0 | 3.595 | 0.989 |
| 8 | 4 | 0 | 61.002 | 60.159 | -60.159 | 0.0 | 0.843 | 0.648 |
| 10 | 4 | 0 | 38.658 | 39.765 | 39.765 | 0.0 | -1.107 | -0.339 |
| 12 | 4 | 0 | 3.499 | 15.548 | -15.548 | 0.0 | -12.058 | -1.661 |
| 0 | 6 | 0 | 357.509 | 372.296 | 372.296 | 0.0 | -14.788 | -2.302 |
| 16 | 4 | 0 | 57.321 | 58.145 | 58.145 | 0.0 | -0.824 | -0.596 |
| 18 | 4 | 0 | 8.602 | 2.348 | -2.348 | 0.0 | 6.254 | 1.301 |
| 20 | 4 | 0 | 45.903 | 49.054 | 49.054 | 0.0 | -3.151 | -1.917 |
| 22 | 4 | J | 19.312 | 15.295 | -15.295 | 0.0 | 0.017 | 0.006 |
| 24 | 4 | 0 | 23.318 | 22.597 | 22.597 | 0.0 | 0.721 | 0.299 |
| 26 | 4 | 0 | 2.789 | 8.817 | 3.817 | 0.0 | -6.028 | -0.641 |
| 24 | 5 | C | 0.847 | 0.093 | 0.093 | 0.0 | 0.754 | 0.268 |
| 22 | 5 | 0 | 27.940 | 28.214 | -28.214 | 0.0 | -0.274 | -0.118 |
| 20 | 5 | 0 | 22.334 | 26.600 | 26.600 | 0.0 | -4.266 | -1.542 |
| 13 | 5 | 0 | 73.193 | 74.705 | 74.705 | 0.0 | -1.513 | -0.965 |
| 16 | 5 | 0 | 12.532 | 8.111 | 8.111 | 0.0 | 4.421 | 1.339 |
| 14 | 5 | 0 | 211.037 | 210.137 | -210.137 | 0.0 | 0.900 | 0.246 |
| 12 | 5 | C | 14.665 | 18.094 | 18.094 | 0.0 | -3.429 | -1.092 |
| 10 | 5 | 0 | 8.223 | 8.064 | -8.064 | 0.0 | 0.159 | 0.035 |
| 8 | 5 | J | 19.137 | 18.200 | -18.200 | 0.0 | 0.937 | 0.498 |
| 6 | 5 | 0 | 166.042 | 168.280 | -168.280 | 0.0 | -2.239 | -0.847 |
| 4 | 5 | 0 | 6.572 | 5.800 | -5.800 | 0.0 | 0.772 | 0.192 |
| 2 | 5 | 0 | 210.795 | 220.341 | 220.341 | 0.0 | -9.547 | -2.802 |
| 0 | 6 | 0 | 356.723 | 372.296 | 372.296 | 0.0 | -15.573 | -2.434 |
| 2 | 6 | 0 | 15.805 | 16.656 | 16.656 | 0.0 | -0.852 | -0.363 |
| 0 | 6 | 0 | 358.622 | 372.296 | 372.296 | 0.0 | -13.674 | -2.119 |
| 4 | 6 | J | 92.756 | 96.959 | 96.959 | 0.0 | -3.163 | -1.983 |
| 6 | 6 | 0 | 16.345 | 16.636 | -16.636 | 0.0 | -0.291 | -0.111 |
| 8 | 6 | J | 131.372 | 120.556 | 130.556 | 0.0 | 0.776 | 0.322 |
| 10 | 6 | 0 | 17.821 | 13.571 | -13.571 | 0.0 | 4.251 | 1.701 |
| 12 | 6 | 0 | 136.874 | 139.728 | -139.728 | 0.0 | 0.145 | 0.063 |
| 14 | 6 | 0 | 26.901 | 29.336 | -29.336 | 0.0 | -2.435 | -1.233 |
| 16 | 6 | 0 | 79.277 | 83.356 | 83.356 | 0.0 | -4.119 | -2.550 |
| 18 | 6 | 0 | 19.541 | 12.023 | 12.023 | 0.0 | -1.492 | -0.333 |
| 20 | 6 | 0 | 139.522 | 141.365 | -141.365 | 0.0 | -1.842 | -0.773 |
| 24 | 6 | 0 | 10.121 | 7.274 | -7.274 | 0.0 | 2.847 | 0.514 |
| 22 | 7 | 0 | 23.099 | 20.761 | -20.761 | 0.0 | 2.337 | 0.850 |
| 20 | 7 | 0 | 15.029 | 1.534 | 1.534 | 0.0 | 11.494 | 2.947 |
| 18 | 7 | 0 | 18.435 | 15.553 | 15.553 | 0.0 | 2.883 | 0.841 |
| 16 | 7 | 0 | 13.847 | 16.745 | -16.745 | 0.0 | -2.898 | -0.806 |
| 14 | 7 | 0 | 60.914 | 58.691 | 58.691 | 0.0 | 2.222 | 1.572 |
| 12 | 7 | 0 | 12.313 | 7.001 | -7.001 | 0.0 | 5.312 | 1.574 |
| 10 | 7 | 0 | 74.879 | 74.835 | 74.835 | 0.0 | 0.044 | 0.030 |
| 6 | 7 | 0 | 32.492 | 35.553 | 35.553 | 0.0 | -3.061 | -1.700 |
| 0 | 6 | 0 | 357.260 | 372.296 | 372.296 | 0.0 | -15.037 | -2.342 |
| 4 | 7 | 0 | 38.468 | 39.580 | 39.580 | 0.0 | -1.112 | -0.791 |
| 2 | 7 | 0 | 19.152 | 19.981 | 19.981 | 0.0 | -0.830 | -0.330 |
| 0 | 8 | C | 59.912 | 61.147 | 61.147 | 0.0 | -1.234 | -0.911 |
| 2 | 8 | 0 | 21.783 | 27.636 | -27.636 | 0.0 | -5.855 | -2.472 |
| 4 | 3 | 0 | 92.649 | 91.811 | -91.842 | 0.0 | 0.836 | 0.456 |
| 8 | 8 | 0 | 38.629 | 36.620 | 36.620 | 0.0 | 2.009 | 1.357 |
| 16 | 8 | 0 | 27.955 | 29.529 | 29.529 | 0.0 | -1.574 | -0.834 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA | SD |
|----|----|---|---------|---------|----------|---------|---------|-------------|----|
| 12 | 8 | 0 | 44.216 | 44.514 | -44.914 | 0.0 | -0.678 | -0.441 | |
| 14 | 8 | 0 | 6.324 | 1.588 | -1.588 | 0.0 | 4.732 | 0.321 | |
| 16 | 8 | 0 | 70.222 | 68.551 | 68.991 | 0.0 | 1.231 | 0.758 | |
| 18 | 8 | 0 | 12.444 | 1.556 | -1.556 | 0.0 | 10.888 | 2.615 * | |
| 20 | 8 | 0 | 9.677 | 11.078 | -11.078 | 0.0 | -3.091 | -0.462 | |
| 20 | 9 | 0 | 9.800 | 1.074 | 1.074 | 0.0 | 8.727 | 1.512 | |
| 19 | 9 | 0 | 8.164 | 3.294 | -3.294 | 0.0 | 4.911 | 1.010 | |
| 0 | 6 | 0 | 359.803 | 372.296 | 372.296 | 0.0 | -13.694 | -2.122 * | |
| 4 | 9 | 0 | 21.373 | 19.544 | -19.944 | 0.0 | 1.429 | 0.623 | |
| 6 | 9 | 0 | 20.131 | 15.433 | -19.433 | 0.0 | 0.698 | 0.255 | |
| 4 | 9 | 0 | 14.168 | 19.178 | -19.178 | 0.0 | 3.990 | 1.307 | |
| 2 | 9 | 0 | 5.258 | 3.293 | 3.293 | 0.0 | 1.964 | 0.330 | |
| 0 | 10 | 0 | 66.653 | 64.828 | -64.828 | 0.0 | 1.865 | 1.331 | |
| 2 | 10 | 0 | 11.845 | 12.739 | 12.739 | 0.0 | -0.943 | -0.237 | |
| 4 | 10 | 0 | 16.582 | 16.870 | -16.870 | 0.0 | 5.311 | 2.185 | |
| 8 | 10 | 0 | 37.319 | 36.608 | -36.608 | 0.0 | 0.702 | 0.420 | |
| 10 | 10 | 0 | 9.362 | 1.348 | -1.348 | 0.0 | 8.013 | 1.653 | |
| 12 | 10 | 0 | 21.125 | 22.707 | 22.707 | 0.0 | -1.582 | -0.313 | |
| 16 | 11 | 0 | 7.387 | 5.449 | -5.449 | 0.0 | -1.563 | -0.242 | |
| 14 | 11 | 0 | 105.782 | 103.240 | -103.240 | 0.0 | 3.742 | 1.876 | |
| 10 | 11 | 0 | 4.873 | 1.629 | -1.629 | 0.0 | 3.249 | 0.434 | |
| 8 | 11 | 0 | 12.883 | 0.034 | 0.034 | 0.0 | 12.848 | 3.355 * | |
| 6 | 11 | 0 | 56.552 | 91.514 | -91.514 | 0.0 | 2.933 | 1.629 | |
| 0 | 6 | 0 | 357.451 | 372.296 | 372.296 | 0.0 | -14.845 | -2.311 * | |
| 4 | 11 | 0 | 21.607 | 18.630 | 18.630 | 0.0 | 2.977 | 1.219 | |
| 2 | 11 | 0 | 84.409 | 83.509 | 83.509 | 0.0 | 0.905 | 0.544 | |
| 0 | 12 | 0 | 105.647 | 103.385 | -103.385 | 0.0 | 2.263 | 1.127 | |
| 2 | 12 | 0 | 9.581 | -10.519 | -10.519 | 0.0 | -3.939 | -0.182 | |
| 4 | 12 | 0 | 12.959 | 1.546 | -1.546 | 0.0 | 11.053 | 2.582 * | |
| 0 | 12 | 0 | 15.030 | 7.684 | 7.684 | 0.0 | 7.347 | 2.021 | |
| 8 | 12 | 0 | 33.648 | 21.412 | 31.412 | 0.0 | 2.227 | 1.022 | |
| 7 | 13 | 1 | 43.115 | 41.567 | -41.567 | 0.0 | 1.148 | 0.647 | |
| 2 | 13 | 0 | 40.285 | 36.000 | 36.000 | 0.0 | 4.285 | 2.118 | |
| 6 | 13 | 1 | 13.365 | 9.153 | 0.153 | 0.0 | 13.212 | 3.207 * | |
| 6 | 13 | 1 | 16.872 | 12.417 | -12.417 | 0.0 | 4.454 | 1.151 | |
| 5 | 13 | 1 | 6.674 | 1.588 | -1.588 | 0.0 | 5.087 | 0.764 | |
| 4 | 13 | 1 | 8.752 | 10.287 | 10.287 | 0.0 | -1.494 | -0.247 | |
| 3 | 13 | 1 | 20.409 | 14.351 | -14.351 | 0.0 | 6.058 | 1.225 | |
| 2 | 13 | 1 | 9.464 | 12.123 | 12.123 | 0.0 | -2.659 | -0.470 | |
| 1 | 13 | 1 | 14.300 | 15.780 | 15.780 | 0.0 | -1.480 | -0.342 | |
| 0 | 6 | 0 | 355.996 | 372.296 | 372.296 | 0.0 | -16.301 | -2.551 * | |
| 1 | 12 | 1 | 5.159 | 2.414 | -2.414 | 0.0 | 9.784 | 0.091 | |
| 3 | 12 | 1 | 10.472 | 8.396 | 8.396 | 0.0 | 2.076 | 0.419 | |
| 5 | 12 | 1 | 17.354 | 13.693 | -13.693 | 0.0 | 3.661 | 1.118 | |
| 6 | 12 | 1 | 9.917 | 5.109 | 5.109 | 0.0 | 4.808 | 0.380 | |
| 7 | 12 | 1 | 10.940 | 1.412 | 1.412 | 0.0 | 9.527 | 2.013 * | |
| 9 | 12 | 1 | 12.415 | 1.652 | 1.652 | 0.0 | 10.763 | 2.352 * | |
| 10 | 12 | 1 | 14.767 | 1.299 | 1.299 | 0.0 | 13.468 | 3.341 * | |
| 11 | 12 | 1 | 6.631 | 6.696 | 6.696 | 0.0 | -0.066 | -0.010 | |
| 12 | 12 | 1 | 4.075 | 2.419 | 2.419 | 0.0 | 1.655 | 0.201 | |
| 15 | 11 | 1 | 2.088 | 13.954 | -13.954 | 0.0 | -11.865 | -1.124 * | |
| 14 | 11 | 1 | 28.540 | 25.646 | 25.646 | 0.0 | 2.894 | 1.150 | |
| 12 | 11 | 1 | 14.387 | 5.636 | 5.636 | 0.0 | 8.751 | 2.312 | |

| H | K | L | F(ORS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA | 31 |
|----|----|---|---------|---------|----------|---------|---------|-------------|----|
| 11 | 11 | 1 | 14.129 | 20.135 | 20.135 | 0.0 | -5.996 | -1.299 | |
| 10 | 11 | 1 | 18.903 | 16.167 | -16.167 | 0.0 | 2.736 | 0.936 | |
| 9 | 11 | 1 | 22.631 | 16.414 | -16.414 | 0.0 | 6.217 | 2.466 | |
| 8 | 11 | 1 | 10.823 | 13.478 | 13.478 | 0.0 | -2.655 | -0.520 | |
| 0 | 5 | 0 | 356.761 | 372.296 | 372.296 | 0.0 | -15.535 | -2.428 | * |
| 7 | 11 | 1 | 25.314 | 26.594 | -26.594 | 0.0 | -1.280 | -0.580 | |
| 6 | 11 | 1 | 38.057 | 38.274 | 38.274 | 0.0 | -0.217 | -0.112 | |
| 5 | 11 | 1 | 36.563 | 35.267 | -35.267 | 0.0 | 1.276 | 0.655 | |
| 3 | 11 | 1 | 17.022 | 13.410 | 13.410 | 0.0 | -3.623 | -1.164 | |
| 2 | 11 | 1 | 38.203 | 27.484 | -27.484 | 0.0 | 0.720 | 0.321 | |
| 1 | 11 | 1 | 20.223 | 18.299 | -18.299 | 0.0 | 1.934 | 0.719 | |
| 0 | 10 | 1 | 41.209 | 46.135 | 46.135 | 0.0 | -4.926 | -0.678 | |
| 1 | 10 | 1 | 38.688 | 27.437 | -27.437 | 0.0 | 1.251 | 0.798 | |
| 2 | 10 | 1 | 27.604 | 30.365 | 30.365 | 0.0 | -2.762 | -1.264 | |
| 3 | 10 | 1 | 13.321 | 5.340 | 5.340 | 0.0 | 7.981 | 2.429 | |
| 6 | 10 | 1 | 14.057 | 18.440 | 18.440 | 0.0 | -4.403 | -1.100 | |
| 7 | 10 | 1 | 16.658 | 16.367 | -16.367 | 0.0 | 2.332 | 0.822 | |
| 8 | 10 | 1 | 19.078 | 18.130 | -18.130 | 0.0 | 0.949 | 0.349 | |
| 11 | 10 | 1 | 19.502 | 20.004 | -20.004 | 0.0 | -0.502 | -0.163 | |
| 12 | 10 | 1 | 25.477 | 27.552 | -27.552 | 0.0 | -1.075 | -0.430 | |
| 0 | 6 | 0 | 355.663 | 372.356 | 372.250 | 0.0 | -15.689 | -2.453 | * |
| 13 | 10 | 1 | 16.769 | 4.371 | 4.371 | 0.0 | 12.398 | 3.954 | * |
| 14 | 10 | 1 | 24.191 | 23.756 | -23.756 | 0.0 | 0.427 | 0.165 | |
| 15 | 10 | 1 | 9.128 | 2.579 | -0.979 | 0.0 | 6.149 | 1.786 | |
| 17 | 10 | 1 | 10.326 | 0.502 | -0.902 | 0.0 | 6.424 | 1.757 | |
| 18 | 10 | 1 | 13.598 | 13.458 | -13.658 | 0.0 | -0.399 | -0.023 | |
| 20 | 9 | 1 | 18.421 | 11.911 | 11.911 | 0.0 | 6.510 | 2.194 | |
| 19 | 9 | 1 | 28.862 | 26.505 | 26.505 | 0.0 | 2.357 | 0.994 | |
| 18 | 9 | 1 | 30.428 | 28.282 | -28.282 | 0.0 | 2.146 | 0.912 | |
| 17 | 9 | 1 | 25.959 | 31.133 | -31.133 | 0.0 | -1.174 | -0.740 | |
| 16 | 9 | 1 | 9.218 | 15.310 | -15.310 | 0.0 | -5.992 | -1.052 | |
| 15 | 9 | 1 | 6.382 | 0.858 | -0.858 | 0.0 | 5.524 | 0.828 | |
| 14 | 9 | 1 | 33.517 | 30.535 | -30.535 | 0.0 | 2.982 | 1.591 | |
| 13 | 9 | 1 | 10.370 | 1.901 | -1.901 | 0.0 | 8.569 | 1.880 | |
| 12 | 9 | 1 | 63.080 | 62.229 | -62.229 | 0.0 | 0.851 | 0.550 | |
| 11 | 9 | 1 | 77.262 | 76.475 | -76.475 | 0.0 | 0.787 | 0.492 | |
| 10 | 9 | 1 | 74.805 | 75.648 | -75.648 | 0.0 | -0.843 | -0.527 | |
| 9 | 9 | 1 | 80.240 | 80.563 | -80.563 | 0.0 | -0.323 | -0.202 | |
| 8 | 9 | 1 | 35.391 | 38.223 | -38.223 | 0.0 | -2.831 | -1.585 | |
| 7 | 9 | 1 | 27.925 | 25.120 | -25.120 | 0.0 | 2.805 | 1.565 | |
| 0 | 6 | 0 | 357.375 | 372.296 | 372.296 | 0.0 | -14.922 | -2.323 | * |
| 6 | 9 | 1 | 34.952 | 35.801 | -35.801 | 0.0 | -0.850 | -0.745 | |
| 5 | 9 | 1 | 35.916 | 37.303 | -37.303 | 0.0 | -1.487 | -0.868 | |
| 4 | 9 | 1 | 16.419 | 4.371 | -4.371 | 0.0 | 12.047 | 4.937 | * |
| 3 | 9 | 1 | 35.845 | 35.027 | -35.027 | 0.0 | 0.818 | 0.512 | |
| 2 | 9 | 1 | 66.487 | 69.523 | -69.523 | 0.0 | -3.036 | -1.958 | |
| 1 | 9 | 1 | 48.545 | 48.643 | -48.643 | 0.0 | -0.597 | -0.407 | |
| 0 | 8 | 1 | 30.252 | 28.157 | -28.157 | 0.0 | 2.095 | 1.290 | |
| 2 | 8 | 1 | 66.413 | 70.434 | -70.434 | 0.0 | -4.021 | -2.899 | |
| 3 | 8 | 1 | 112.553 | 116.435 | -116.435 | 0.0 | -3.882 | -2.049 | |
| 4 | 8 | 1 | 98.272 | 99.966 | -99.966 | 0.0 | -1.694 | -0.983 | |
| 5 | 8 | 1 | 67.446 | 66.148 | 66.148 | 0.0 | 1.298 | 0.946 | |
| 6 | 8 | 1 | 12.653 | 10.618 | -10.618 | 0.0 | 2.235 | 0.692 | |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 7 | 8 | 1 | 54.041 | 53.567 | 53.567 | 0.0 | 0.474 | 0.355 |
| 8 | 8 | 1 | 02.349 | 93.092 | 93.882 | 0.0 | -0.534 | -0.320 |
| 9 | 8 | 1 | 42.929 | 43.424 | -43.424 | 0.0 | -0.485 | -0.303 |
| 10 | 8 | 1 | 21.944 | 23.117 | 23.117 | 0.0 | -1.175 | -0.502 |
| 11 | 8 | 1 | 22.253 | 21.401 | -21.401 | 0.0 | 1.852 | 1.160 |
| 12 | 8 | 1 | 46.754 | 45.167 | -45.167 | 0.0 | 1.587 | 1.055 |
| 13 | 8 | 1 | 56.012 | 55.620 | 55.620 | 0.0 | 0.392 | 0.272 |
| 0 | 6 | 0 | 352.255 | 372.296 | 372.296 | 0.0 | -14.001 | -2.171 * |
| 14 | 8 | 1 | 10.910 | 1.531 | -1.681 | 0.0 | 9.230 | 2.314 |
| 15 | 8 | 1 | 54.379 | 55.262 | 55.262 | 0.0 | -0.882 | -0.566 |
| 16 | 8 | 1 | 50.866 | 51.571 | 51.971 | 0.0 | -1.104 | -0.790 |
| 17 | 8 | 1 | 36.724 | 34.603 | -34.603 | 0.0 | 1.921 | 0.971 |
| 18 | 8 | 1 | 28.950 | 28.758 | 28.758 | 0.0 | 0.192 | 0.183 |
| 19 | 8 | 1 | 22.163 | 21.611 | -21.611 | 0.0 | 0.552 | 0.190 |
| 20 | 8 | 1 | 32.404 | 28.289 | -28.289 | 0.0 | 4.115 | 2.023 |
| 21 | 8 | 1 | 17.075 | 7.898 | -7.898 | 0.0 | 9.174 | 2.661 |
| 22 | 7 | 1 | 5.521 | 1.658 | -1.658 | 0.0 | 3.823 | 0.527 |
| 22 | 7 | 1 | 10.163 | 13.031 | -13.031 | 0.0 | -2.830 | -0.533 |
| 21 | 7 | 1 | 0.360 | 3.555 | -3.555 | 0.0 | 2.413 | 0.358 |
| 20 | 7 | 1 | 17.123 | 3.092 | -3.092 | 0.0 | 9.030 | 2.117 |
| 19 | 7 | 1 | 26.302 | 26.551 | -26.551 | 0.0 | -0.250 | -0.358 |
| 18 | 7 | 1 | 0.693 | 2.359 | 2.359 | 0.0 | 6.331 | 1.214 |
| 17 | 7 | 1 | 1.923 | 4.569 | 4.569 | 0.0 | -3.242 | -0.520 |
| 16 | 7 | 1 | 19.429 | 18.451 | 18.451 | 0.0 | 0.978 | 0.362 |
| 15 | 7 | 1 | 16.419 | 11.293 | -11.293 | 0.0 | 5.125 | 1.719 |
| 13 | 7 | 1 | 9.786 | 13.412 | 13.412 | 0.0 | -3.627 | -0.911 |
| 12 | 7 | 1 | 21.447 | 21.033 | 21.033 | 0.0 | 0.413 | 0.178 |
| 0 | 6 | 0 | 357.777 | 372.296 | 372.296 | 0.0 | -14.519 | -2.259 * |
| 11 | 7 | 1 | 21.520 | 22.132 | -22.132 | 0.0 | -0.672 | -0.280 |
| 10 | 7 | 1 | 14.417 | 18.339 | 18.339 | 0.0 | -3.922 | -1.204 |
| 9 | 7 | 1 | 43.365 | 45.513 | 45.513 | 0.0 | -2.148 | -1.494 |
| 8 | 7 | 1 | 33.414 | 35.694 | 35.694 | 0.0 | -2.280 | -1.403 |
| 7 | 7 | 1 | 12.161 | 9.247 | -9.247 | 0.0 | 3.934 | 1.218 |
| 6 | 7 | 1 | 14.285 | 14.579 | 14.579 | 0.0 | -0.293 | -0.093 |
| 5 | 7 | 1 | 22.406 | 26.050 | 26.050 | 0.0 | -2.644 | -1.142 |
| 4 | 7 | 1 | 25.219 | 26.209 | 26.209 | 0.0 | -0.990 | -0.301 |
| 3 | 7 | 1 | 31.613 | 30.488 | -30.488 | 0.0 | 1.125 | 0.680 |
| 2 | 7 | 1 | 16.950 | 17.374 | 17.374 | 0.0 | -0.824 | -0.291 |
| 0 | 6 | 1 | 12.254 | 4.873 | 4.873 | 0.0 | 7.382 | 2.514 |
| 1 | 6 | 1 | 11.261 | 5.088 | -5.088 | 0.0 | 6.173 | 1.974 |
| 2 | 6 | 1 | 12.649 | 3.685 | 3.685 | 0.0 | 8.964 | 3.115 |
| 3 | 6 | 1 | 26.199 | 26.019 | 26.019 | 0.0 | 0.180 | 0.103 |
| 4 | 6 | 1 | 10.677 | 7.590 | 7.590 | 0.0 | 3.087 | 0.866 |
| 6 | 6 | 1 | 11.904 | 8.887 | 8.887 | 0.0 | 3.017 | 0.910 |
| 7 | 6 | 1 | 13.964 | 13.070 | 13.070 | 0.0 | 0.894 | 0.279 |
| 8 | 6 | 1 | 2.636 | 7.349 | -7.349 | 0.0 | -3.712 | -0.518 |
| 0 | 6 | 0 | 357.565 | 372.296 | 372.296 | 0.0 | -14.327 | -2.229 * |
| 11 | 6 | 1 | 5.345 | 3.019 | -3.019 | 0.0 | 2.327 | 0.413 |
| 13 | 6 | 1 | 15.971 | 13.692 | -13.692 | 0.0 | 1.879 | 0.643 |
| 14 | 6 | 1 | 11.909 | 13.390 | -13.390 | 0.0 | -1.880 | -0.499 |
| 15 | 6 | 1 | 10.574 | 14.253 | -14.253 | 0.0 | -3.688 | -0.934 |
| 17 | 6 | 1 | 8.515 | 1.170 | -1.170 | 0.0 | 7.345 | 1.515 |
| 20 | 6 | 1 | 14.864 | 13.665 | 13.665 | 0.0 | 1.219 | 0.330 |

| H | K | L | F(CALS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 21 | 6 | 1 | 8.377 | 1.309 | 1.309 | 0.0 | 6.768 | 1.151 |
| 22 | 6 | 1 | 17.929 | 1.172 | -1.172 | 0.0 | 11.357 | 2.358 * |
| 23 | 6 | 1 | 11.977 | 1.728 | -1.728 | 0.0 | 13.249 | 2.241 * |
| 24 | 6 | 1 | 12.152 | 1.523 | -1.523 | 0.0 | 10.629 | 2.365 * |
| 25 | 5 | 1 | 22.392 | 21.295 | -21.295 | 0.0 | 1.388 | 0.359 |
| 24 | 5 | 1 | 7.930 | 5.057 | -5.057 | 0.0 | 2.374 | 0.462 |
| 23 | 5 | 1 | 16.404 | 8.132 | -8.102 | 0.0 | 8.302 | 2.559 |
| 0 | 6 | 0 | 357.354 | 372.296 | 372.296 | 0.0 | -14.903 | -2.320 * |
| 21 | 5 | 1 | 25.769 | 25.650 | -25.650 | 0.0 | 0.071 | 0.032 |
| 18 | 5 | 1 | 23.991 | 21.551 | -21.551 | 0.0 | 2.439 | 1.097 |
| 17 | 5 | 1 | 11.626 | 15.176 | -15.176 | 0.0 | -3.550 | -0.859 |
| 16 | 5 | 1 | 23.260 | 26.071 | -26.071 | 0.0 | -2.742 | -1.194 |
| 15 | 5 | 1 | 31.701 | 32.245 | -32.245 | 0.0 | -0.544 | -0.257 |
| 14 | 5 | 1 | 56.383 | 60.658 | 60.658 | 0.0 | -0.775 | -0.566 |
| 13 | 5 | 1 | 28.043 | 30.731 | 30.731 | 0.0 | -2.689 | -1.425 |
| 11 | 5 | 1 | 10.253 | 4.563 | 4.563 | 0.0 | 5.690 | 1.432 |
| 10 | 5 | 1 | 37.050 | 36.377 | -36.377 | 0.0 | 0.714 | 0.468 |
| 9 | 5 | 1 | 41.531 | 42.048 | -42.048 | 0.0 | -0.517 | -0.371 |
| 8 | 5 | 1 | 25.447 | 32.843 | 32.843 | 0.0 | -3.393 | -1.901 |
| 7 | 5 | 1 | 64.171 | 64.254 | -64.254 | 0.0 | -0.083 | -0.066 |
| 6 | 5 | 1 | 61.842 | 60.567 | 60.567 | 0.0 | 1.275 | 1.043 |
| 5 | 5 | 1 | 75.929 | 75.833 | -75.833 | 0.0 | 0.097 | 0.071 |
| 4 | 5 | 1 | 30.951 | 29.926 | -29.926 | 0.0 | 0.165 | 0.119 |
| 3 | 5 | 1 | 41.370 | 42.476 | -42.476 | 0.0 | -1.105 | -0.919 |
| 2 | 5 | 1 | 67.609 | 70.714 | -70.714 | 0.0 | -3.106 | -2.505 |
| 0 | 6 | 0 | 356.321 | 372.296 | 372.296 | 0.0 | -15.976 | -2.459 * |
| 1 | 5 | 1 | 15.676 | 15.594 | -15.594 | 0.0 | -2.118 | -0.900 |
| 0 | 4 | 1 | 12.444 | 8.265 | -8.265 | 0.0 | 4.179 | 2.218 |
| 1 | 4 | 1 | 49.338 | 53.032 | -53.032 | 0.0 | -3.693 | -3.592 |
| 2 | 4 | 1 | 76.000 | 79.000 | -79.000 | 0.0 | -2.701 | -2.121 |
| 3 | 4 | 1 | 42.822 | 45.674 | -45.674 | 0.0 | -2.952 | -2.738 |
| 4 | 4 | 1 | 51.087 | 52.507 | -52.507 | 0.0 | -1.421 | -1.325 |
| 5 | 4 | 1 | 83.404 | 84.520 | -84.520 | 0.0 | -1.315 | -0.720 |
| 6 | 4 | 1 | 29.140 | 30.023 | -30.023 | 0.0 | -0.883 | -0.656 |
| 7 | 4 | 1 | 35.189 | 36.502 | -36.502 | 0.0 | -0.613 | -0.492 |
| 8 | 4 | 1 | 7.897 | 10.380 | -10.380 | 0.0 | -2.523 | -0.517 |
| 9 | 4 | 1 | 6.956 | 7.625 | -7.625 | 0.0 | 1.971 | 0.555 |
| 11 | 4 | 1 | 17.076 | 13.292 | -13.292 | 0.0 | 3.785 | 1.439 |
| 12 | 4 | 1 | 11.188 | 7.846 | -7.846 | 0.0 | 3.342 | 0.911 |
| 13 | 4 | 1 | 12.156 | 13.023 | -13.023 | 0.0 | -0.807 | -0.217 |
| 14 | 4 | 1 | 29.345 | 29.425 | -29.425 | 0.0 | -0.281 | -0.163 |
| 15 | 4 | 1 | 17.558 | 15.440 | -15.440 | 0.0 | 2.119 | 0.810 |
| 16 | 4 | 1 | 42.353 | 40.034 | -40.034 | 0.0 | 2.318 | 1.664 |
| 17 | 4 | 1 | 34.732 | 33.355 | -33.355 | 0.0 | 1.377 | 0.797 |
| 18 | 4 | 1 | 30.791 | 29.464 | -29.464 | 0.0 | 0.623 | 0.302 |
| 0 | 6 | 0 | 358.603 | 372.296 | 372.296 | 0.0 | -13.694 | -2.122 * |
| 19 | 4 | 1 | 14.124 | 12.225 | -12.225 | 0.0 | 1.898 | 0.539 |
| 20 | 4 | 1 | 7.069 | 7.072 | -7.072 | 0.0 | -0.004 | -0.001 |
| 21 | 4 | 1 | 16.988 | 15.857 | -15.857 | 0.0 | 1.132 | 0.347 |
| 22 | 4 | 1 | 36.954 | 35.737 | -35.737 | 0.0 | -0.643 | -0.343 |
| 23 | 4 | 1 | 32.667 | 35.407 | -35.407 | 0.0 | -2.739 | -1.184 |
| 24 | 4 | 1 | 24.751 | 22.766 | -22.766 | 0.0 | 1.986 | 0.823 |
| 25 | 4 | 1 | 28.394 | 30.253 | -30.253 | 0.0 | -1.859 | -0.698 |

| H | K | L | F(CALS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 26 | 4 | 1 | 22.645 | 16.567 | -16.967 | 0.0 | 5.679 | 2.271 |
| 26 | 3 | 1 | 30.867 | 23.996 | -28.996 | 0.0 | 1.871 | 0.810 |
| 25 | 3 | 1 | 34.036 | 32.638 | -32.638 | 0.0 | 3.191 | 1.582 |
| 24 | 3 | 1 | 27.925 | 33.515 | -33.515 | 0.0 | -5.590 | -2.088 |
| 23 | 3 | 1 | 33.151 | 35.218 | -35.218 | 0.0 | -2.067 | -0.971 |
| 22 | 3 | 1 | 83.919 | 85.309 | -85.309 | 0.0 | -1.390 | -0.821 |
| 21 | 3 | 1 | 72.173 | 71.689 | 71.689 | 0.0 | 0.484 | 0.315 |
| 20 | 3 | 1 | 20.657 | 17.165 | 17.165 | 0.0 | 3.493 | 1.593 |
| 19 | 3 | 1 | 45.666 | 44.275 | 44.275 | 0.0 | 2.391 | 1.733 |
| 18 | 3 | 1 | 71.321 | 70.661 | -70.661 | 0.0 | 0.469 | 0.317 |
| 17 | 3 | 1 | 91.309 | 92.238 | -92.238 | 0.0 | -1.929 | -1.167 |
| 16 | 3 | 1 | 18.333 | 16.261 | -16.261 | 0.0 | 2.072 | 0.854 |
| 15 | 3 | 1 | 18.351 | 21.206 | -21.206 | 0.0 | -2.814 | -1.076 |
| 0 | 6 | 0 | 355.211 | 372.296 | 372.296 | 0.0 | -17.085 | -2.684 * |
| 14 | 3 | 1 | 71.448 | 70.137 | 70.137 | 0.0 | 1.312 | 0.934 |
| 13 | 3 | 1 | 24.473 | 22.992 | 22.992 | 0.0 | 1.481 | C.703 |
| 12 | 3 | 1 | 140.087 | 140.133 | -140.185 | 0.0 | -0.099 | -C.043 |
| 11 | 3 | 1 | 212.815 | 209.576 | 238.576 | 0.0 | 4.239 | 1.224 |
| 10 | 3 | 1 | 210.064 | 206.539 | -206.839 | 0.0 | 3.165 | 0.933 |
| 9 | 3 | 1 | 168.869 | 167.289 | -167.289 | 0.0 | 1.571 | 0.583 |
| 8 | 3 | 1 | 65.749 | 65.826 | -65.826 | 0.0 | -0.077 | -0.363 |
| 7 | 3 | 1 | 73.104 | 71.647 | -71.647 | 0.0 | 1.257 | 0.988 |
| 6 | 3 | 1 | 184.222 | 184.512 | 184.512 | 0.0 | 1.320 | 0.444 |
| 5 | 3 | 1 | 170.052 | 169.141 | 169.141 | 0.0 | 0.951 | 0.355 |
| 4 | 3 | 1 | 50.569 | 46.405 | 46.405 | 0.0 | 4.564 | 4.626 |
| 3 | 3 | 1 | 55.615 | 61.233 | 61.283 | 0.0 | -5.668 | -5.505 |
| 2 | 3 | 1 | 162.329 | 172.536 | -172.536 | 0.0 | -13.207 | -3.938 * |
| 1 | 3 | 1 | 180.583 | 194.817 | -194.817 | 0.0 | -14.229 | -4.970 |
| 0 | 2 | 1 | 55.423 | 59.607 | 59.607 | 0.0 | -4.184 | -4.183 |
| 1 | 2 | 1 | 14.811 | 17.378 | 17.378 | 0.0 | -2.567 | -1.465 |
| 2 | 2 | 1 | 130.141 | 132.313 | -132.313 | 0.0 | -2.172 | -1.067 |
| 3 | 2 | 1 | 155.357 | 157.634 | -157.634 | 0.0 | -2.237 | -0.917 |
| 4 | 2 | 1 | 147.055 | 148.011 | -148.011 | 0.0 | -0.956 | -0.415 |
| 5 | 2 | 1 | 134.673 | 135.723 | 135.723 | 0.0 | -1.050 | -0.496 |
| 0 | 6 | 0 | 355.557 | 372.296 | 372.296 | 0.0 | -16.339 | -2.557 * |
| 6 | 2 | 1 | 11.378 | 14.133 | -14.133 | 0.0 | -2.755 | -1.338 |
| 7 | 2 | 1 | 105.922 | 103.680 | 103.680 | 0.0 | 2.252 | 1.342 |
| 8 | 2 | 1 | 112.466 | 112.735 | 112.735 | 0.0 | 0.759 | 0.416 |
| 9 | 2 | 1 | 56.926 | 56.446 | -56.446 | 0.0 | 2.480 | 2.105 |
| 10 | 2 | 1 | 31.452 | 30.241 | 30.241 | 0.0 | 1.211 | C.930 |
| 11 | 2 | 1 | 52.130 | 52.083 | -52.083 | 0.0 | 0.047 | 0.039 |
| 12 | 2 | 1 | 65.469 | 65.350 | -65.350 | 0.0 | 0.119 | 0.089 |
| 13 | 2 | 1 | 56.543 | 59.741 | 59.741 | 0.0 | -1.193 | -0.854 |
| 14 | 2 | 1 | 12.970 | 7.874 | 7.874 | 0.0 | 5.096 | 1.571 |
| 15 | 2 | 1 | 55.982 | 54.318 | 54.318 | 0.0 | 1.665 | 1.220 |
| 16 | 2 | 1 | 74.968 | 74.460 | 74.460 | 0.0 | 0.508 | 0.357 |
| 17 | 2 | 1 | 58.809 | 56.730 | -56.730 | 0.0 | 2.018 | 1.458 |
| 18 | 2 | 1 | 41.473 | 40.263 | 40.263 | 0.0 | 1.209 | 0.425 |
| 19 | 2 | 1 | 18.523 | 15.322 | -15.322 | 0.0 | 3.201 | 1.222 |
| 20 | 2 | 1 | 18.041 | 19.922 | -19.922 | 0.0 | -1.891 | -0.637 |
| 21 | 2 | 1 | 16.342 | 11.119 | -11.119 | 0.0 | 8.222 | 3.472 |
| 22 | 2 | 1 | 40.552 | 41.275 | 41.275 | 0.0 | -0.623 | -0.354 |
| 23 | 2 | 1 | 60.569 | 63.431 | 63.431 | 0.0 | -2.871 | -1.756 |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA | 3S |
|----|---|---|---------|---------|----------|---------|---------|-------------|----|
| 24 | 2 | 1 | 46.441 | 47.637 | 47.637 | 0.0 | -1.176 | -0.673 | |
| 25 | 2 | 1 | 45.216 | 47.138 | -47.738 | 0.0 | -2.423 | -1.241 | |
| 0 | 6 | 0 | 357.387 | 372.296 | 372.296 | 0.0 | -15.209 | -2.369 | * |
| 26 | 2 | 1 | 22.782 | 26.723 | 26.723 | 0.0 | -3.741 | -1.163 | |
| 26 | 1 | 1 | 17.602 | 19.631 | -19.631 | 0.0 | -2.079 | -0.574 | |
| 24 | 1 | 1 | 5.917 | 7.903 | -7.903 | 0.0 | 2.309 | 0.367 | |
| 22 | 1 | 1 | 14.870 | 5.897 | -5.897 | 0.0 | 8.973 | 3.025 | |
| 21 | 1 | 1 | 15.600 | 20.495 | 20.495 | 0.0 | -4.895 | -1.438 | |
| 19 | 1 | 1 | 13.628 | 6.713 | -8.718 | 0.0 | 4.910 | 1.521 | |
| 18 | 1 | 1 | 8.719 | 13.713 | -10.713 | 0.0 | -1.994 | -0.420 | |
| 17 | 1 | 1 | 3.570 | 6.756 | -6.756 | 0.0 | -3.179 | -0.463 | |
| 16 | 1 | 1 | 37.486 | 36.233 | 36.233 | 0.0 | 1.253 | 0.338 | |
| 15 | 1 | 1 | 22.565 | 21.711 | -31.711 | 0.0 | 0.854 | 0.556 | |
| 14 | 1 | 1 | 43.277 | 44.712 | 44.712 | 0.0 | -1.435 | -1.041 | |
| 13 | 1 | 1 | 29.769 | 31.066 | 31.066 | 0.0 | -1.296 | -0.744 | |
| 12 | 1 | 1 | 9.024 | 11.181 | 11.181 | 0.0 | -2.155 | -0.537 | |
| 11 | 1 | 1 | 11.948 | 15.803 | -15.803 | 0.0 | -3.855 | -1.200 | |
| 10 | 1 | 1 | 26.053 | 24.813 | -24.813 | 0.0 | 1.240 | 0.911 | |
| 0 | 6 | 0 | 355.413 | 372.296 | 372.296 | 0.0 | -16.683 | -2.512 | * |
| 8 | 1 | 1 | 48.061 | 47.180 | 47.180 | 0.0 | 0.880 | 0.882 | |
| 7 | 1 | 1 | 55.350 | 55.054 | -55.054 | 0.0 | 0.296 | 0.278 | |
| 6 | 1 | 1 | 59.152 | 59.400 | 59.400 | 0.0 | -0.248 | -0.256 | |
| 5 | 1 | 1 | 99.727 | 89.492 | 89.492 | 0.0 | 2.235 | 1.548 | |
| 3 | 1 | 1 | 57.313 | 56.664 | 56.664 | 0.0 | 0.648 | 0.824 | |
| 3 | 1 | 1 | 11.327 | 9.541 | 9.541 | 0.0 | 1.487 | 0.722 | |
| 2 | 1 | 1 | 44.358 | 43.754 | -43.754 | 0.0 | 0.344 | 0.391 | |
| 1 | 1 | 1 | 13.783 | 11.347 | -11.347 | 0.0 | 2.441 | 1.607 | |
| 0 | 0 | 2 | 5.623 | 9.907 | -9.907 | 0.0 | -4.284 | -1.155 | |
| 1 | 0 | 2 | 121.794 | 123.152 | 123.152 | 0.0 | -1.358 | -0.718 | |
| 2 | 0 | 2 | 178.246 | 174.584 | -174.584 | 0.0 | 3.670 | 1.301 | |
| 3 | 0 | 2 | 210.534 | 211.573 | 211.573 | 0.0 | -1.036 | -0.306 | |
| 4 | 0 | 2 | 14.932 | 17.199 | -17.199 | 0.0 | 1.733 | 1.235 | |
| 5 | 0 | 2 | 258.556 | 252.743 | -252.743 | 0.0 | 5.763 | 1.345 | |
| 7 | 0 | 2 | 207.039 | 201.010 | -201.010 | 0.0 | 6.029 | 1.810 | |
| 8 | 0 | 2 | 26.989 | 24.373 | 24.373 | 0.0 | -1.394 | -0.946 | |
| 9 | 0 | 2 | 192.189 | 188.528 | 188.528 | 0.0 | 3.561 | 1.188 | |
| 10 | 0 | 2 | 16.214 | 13.631 | 13.631 | 0.0 | 2.583 | 1.112 | |
| 11 | 0 | 2 | 225.901 | 222.723 | 222.723 | 0.0 | 3.178 | 0.862 | |
| 10 | 6 | 0 | 356.359 | 372.296 | 372.296 | 0.0 | -15.937 | -2.492 | * |
| 12 | 0 | 2 | 6.143 | 5.473 | 5.473 | 0.0 | 0.490 | 0.388 | |
| 13 | 0 | 2 | 73.341 | 72.344 | -72.344 | 0.0 | 0.997 | 0.717 | |
| 15 | 0 | 2 | 92.861 | 92.014 | -92.014 | 0.0 | 0.948 | 0.583 | |
| 16 | 0 | 2 | 21.242 | 19.054 | 19.054 | 0.0 | 2.188 | 1.069 | |
| 17 | 0 | 2 | 58.406 | 58.044 | 58.044 | 0.0 | 0.362 | 0.209 | |
| 18 | 0 | 2 | 43.218 | 43.515 | 43.515 | 0.0 | -0.297 | -0.183 | |
| 19 | 0 | 2 | 57.395 | 57.103 | 57.103 | 0.0 | 0.793 | 0.539 | |
| 21 | 0 | 2 | 41.052 | 41.167 | -41.167 | 0.0 | -0.376 | -0.044 | |
| 22 | 0 | 2 | 85.270 | 85.313 | 85.313 | 0.0 | -5.043 | -2.933 | |
| 23 | 0 | 2 | 115.359 | 120.942 | -120.942 | 0.0 | -1.353 | -0.645 | |
| 25 | 0 | 2 | 50.073 | 51.015 | 51.015 | 0.0 | -0.942 | -0.548 | |
| 26 | 0 | 2 | 23.064 | 28.459 | 28.459 | 0.0 | -5.375 | -1.634 | |
| 26 | 1 | 2 | 9.084 | 8.394 | 8.394 | 0.0 | 0.690 | 0.118 | |
| 25 | 1 | 2 | 18.786 | 20.862 | 20.862 | 0.0 | -2.076 | -0.577 | |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 24 | 1 | 2 | 30.891 | 28.537 | 28.997 | 0.0 | 1.884 | 0.900 |
| 23 | 1 | 2 | 44.421 | 45.680 | 45.680 | 0.0 | -1.259 | -0.715 |
| 22 | 1 | 2 | 18.494 | 19.280 | 19.280 | 0.0 | -0.786 | -0.254 |
| 0 | 6 | 0 | 356.455 | 372.296 | 372.296 | 0.0 | -15.841 | -2.477 * |
| 21 | 1 | 2 | 15.746 | 16.119 | 16.119 | 0.0 | -0.373 | -0.111 |
| 20 | 1 | 2 | 17.867 | 18.779 | 18.779 | 0.0 | -0.912 | -0.321 |
| 19 | 1 | 2 | 3.461 | 14.467 | 14.467 | 0.0 | -11.005 | -1.403 * |
| 17 | 1 | 2 | 74.820 | 76.158 | 76.158 | 0.0 | -1.338 | -0.513 |
| 16 | 1 | 2 | 59.982 | 54.535 | 54.535 | 0.0 | 1.448 | 1.064 |
| 15 | 1 | 2 | 17.662 | 17.331 | 17.331 | 0.0 | -0.269 | -0.098 |
| 14 | 1 | 2 | 6.853 | 6.330 | 6.330 | 0.0 | 0.523 | 0.113 |
| 13 | 1 | 2 | 3.768 | 2.893 | 2.893 | 0.0 | 0.870 | 0.125 |
| 12 | 1 | 2 | 119.695 | 121.210 | -121.210 | 0.0 | -1.516 | -0.772 |
| 11 | 1 | 2 | 111.410 | 110.561 | -110.561 | 0.0 | 0.447 | 0.245 |
| 10 | 1 | 2 | 16.185 | 13.199 | -13.199 | 0.0 | 2.985 | 1.238 |
| 9 | 1 | 2 | 81.243 | 81.079 | 81.079 | 0.0 | 0.184 | 0.190 |
| 8 | 1 | 2 | 64.835 | 66.158 | -66.158 | 0.0 | -1.323 | -1.076 |
| 7 | 1 | 2 | 43.937 | 42.353 | 42.353 | 0.0 | 1.584 | 1.459 |
| 5 | 1 | 2 | 112.342 | 110.244 | -110.244 | 0.0 | 2.098 | 1.183 |
| 4 | 1 | 2 | 44.039 | 39.619 | 39.619 | 0.0 | 4.220 | 4.230 |
| 3 | 1 | 2 | 55.677 | 60.010 | -60.010 | 0.0 | -0.333 | -0.310 |
| 2 | 1 | 2 | 21.373 | 20.499 | -20.499 | 0.0 | 0.875 | 0.656 |
| 0 | 6 | 0 | 355.135 | 372.296 | 372.296 | 0.0 | -17.161 | -2.697 * |
| 1 | 1 | 2 | 59.927 | 61.666 | 61.666 | 0.0 | -1.959 | -1.803 |
| 0 | 2 | 2 | 6.514 | 4.552 | 4.552 | 0.0 | 1.952 | 0.625 |
| 1 | 2 | 2 | 33.443 | 36.834 | 36.834 | 0.0 | -3.390 | -3.405 |
| 2 | 2 | 2 | 1.972 | 0.437 | -0.437 | 0.0 | 1.565 | 0.293 |
| 3 | 2 | 2 | 74.317 | 73.342 | 73.342 | 0.0 | 0.975 | 0.785 |
| 4 | 2 | 2 | 14.110 | 14.457 | 14.457 | 0.0 | -0.347 | -0.177 |
| 5 | 2 | 2 | 26.589 | 29.711 | -29.711 | 0.0 | -2.722 | -2.045 |
| 6 | 2 | 2 | 64.938 | 63.221 | 63.221 | 0.0 | 1.717 | 1.419 |
| 7 | 2 | 2 | 97.764 | 97.330 | -97.330 | 0.0 | 0.434 | 0.272 |
| 8 | 2 | 2 | 5.357 | 8.527 | -8.527 | 0.0 | -2.130 | -0.493 |
| 9 | 2 | 2 | 75.427 | 76.030 | 76.030 | 0.0 | -0.574 | -0.422 |
| 10 | 2 | 2 | 31.745 | 31.031 | 31.031 | 0.0 | 0.714 | 0.469 |
| 11 | 2 | 2 | 15.869 | 20.885 | 23.885 | 0.0 | -1.375 | -0.454 |
| 12 | 2 | 2 | 15.644 | 14.257 | -14.257 | 0.0 | 1.387 | 0.494 |
| 13 | 2 | 2 | 38.585 | 40.335 | -40.335 | 0.0 | -1.750 | -1.066 |
| 14 | 2 | 2 | 20.657 | 22.094 | -22.094 | 0.0 | -1.436 | -0.514 |
| 15 | 2 | 2 | 42.602 | 43.179 | -43.179 | 0.0 | -0.577 | -0.402 |
| 16 | 2 | 2 | 13.667 | 7.250 | -7.250 | 0.0 | 5.837 | 1.341 |
| 17 | 2 | 2 | 23.201 | 20.822 | -20.822 | 0.0 | 2.379 | 1.214 |
| 18 | 2 | 2 | 44.201 | 47.117 | -47.117 | 0.0 | -2.916 | -1.911 |
| 0 | 6 | 0 | 355.441 | 372.296 | 372.296 | 0.0 | -16.855 | -2.647 * |
| 19 | 2 | 2 | 46.960 | 48.583 | 48.583 | 0.0 | -1.628 | -1.346 |
| 21 | 2 | 2 | 23.026 | 20.852 | -20.852 | 0.0 | 2.174 | 0.912 |
| 22 | 2 | 2 | 13.715 | 21.133 | -21.133 | 0.0 | -7.417 | -1.612 |
| 24 | 2 | 2 | 4.221 | 0.830 | -0.830 | 0.0 | 3.360 | 0.428 |
| 25 | 2 | 2 | 11.290 | 16.318 | 16.318 | 0.0 | -5.028 | -0.972 |
| 26 | 2 | 2 | 13.292 | 8.431 | -8.431 | 0.0 | 4.361 | 1.019 |
| 24 | 3 | 2 | 17.368 | 5.634 | -5.634 | 0.0 | 11.764 | 3.779 * |
| 23 | 3 | 2 | 14.826 | 5.591 | -5.591 | 0.0 | 9.235 | 2.555 |
| 22 | 3 | 2 | 5.260 | 5.070 | 5.070 | 0.0 | 4.189 | 0.752 |

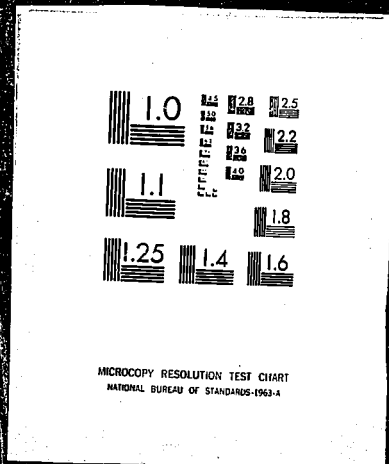
| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 21 | 3 | 2 | 10.209 | 0.895 | -0.865 | 0.0 | 9.404 | 2.044 |
| 22 | 3 | 2 | 10.954 | 6.191 | -7.181 | 0.0 | 4.773 | 1.138 |
| 19 | 3 | 2 | 4.863 | 11.892 | -11.892 | 0.0 | -7.029 | -0.990 |
| 18 | 3 | 2 | 9.917 | 2.976 | -2.976 | 0.0 | 6.941 | 1.644 |
| 17 | 3 | 2 | 5.758 | 7.957 | -7.957 | 0.0 | -2.159 | -0.368 |
| 16 | 3 | 2 | 9.990 | 7.468 | 7.468 | 0.0 | 2.522 | 0.600 |
| 15 | 3 | 2 | 19.706 | 15.347 | 15.347 | 0.0 | -4.641 | -1.147 |
| 14 | 3 | 2 | 7.302 | 0.528 | 0.528 | 0.0 | 6.775 | 1.472 |
| 0 | 6 | 0 | 355.288 | 372.296 | 372.296 | 0.0 | -17.908 | -2.672 |
| 10 | 3 | 2 | 11.801 | 3.759 | 3.759 | 0.0 | 9.047 | 2.416 |
| 9 | 3 | 2 | 14.066 | 15.745 | 15.745 | 0.0 | -1.680 | -0.561 |
| 8 | 3 | 2 | 18.479 | 14.314 | -14.314 | 0.0 | 4.163 | 1.978 |
| 7 | 3 | 2 | -2.600 | 10.447 | -10.447 | 0.0 | -8.047 | -1.203 |
| 6 | 3 | 2 | 3.636 | 8.445 | 8.445 | 0.0 | -4.808 | -0.844 |
| 5 | 3 | 2 | 22.470 | 21.814 | 21.814 | 0.0 | 0.656 | 0.412 |
| 4 | 3 | 2 | 43.750 | 41.035 | 41.035 | 0.0 | 2.785 | 2.637 |
| 3 | 3 | 2 | 35.464 | 35.228 | 35.228 | 0.0 | 0.237 | 0.207 |
| 1 | 3 | 2 | -1.972 | 2.566 | -2.906 | 0.0 | -0.934 | -0.159 |
| 0 | 4 | 2 | 13.146 | 17.395 | -17.395 | 0.0 | -4.250 | -1.643 |
| 1 | 4 | 2 | 34.014 | 34.920 | 34.920 | 0.0 | -0.905 | -0.782 |
| 2 | 4 | 2 | 66.358 | 68.821 | 68.821 | 0.0 | -2.462 | -1.378 |
| 3 | 4 | 2 | 36.562 | 36.696 | 36.696 | 0.0 | -0.133 | -0.067 |
| 4 | 4 | 2 | 8.588 | 8.273 | 8.273 | 0.0 | 0.315 | 0.090 |
| 5 | 4 | 2 | 17.705 | 15.678 | -15.678 | 0.0 | 2.027 | 0.970 |
| 6 | 4 | 2 | 31.628 | 31.852 | 31.852 | 0.0 | -0.224 | -0.147 |
| 0 | 6 | 0 | 355.862 | 372.296 | 372.296 | 0.0 | -16.435 | -2.572 |
| 9 | 4 | 2 | 44.201 | 44.036 | 44.036 | 0.0 | 0.165 | 0.130 |
| 10 | 4 | 2 | 14.303 | 6.152 | -6.152 | 0.0 | 8.147 | 2.889 |
| 11 | 4 | 2 | 12.254 | 16.376 | -16.376 | 0.0 | -4.121 | -1.093 |
| 12 | 4 | 2 | 15.984 | 16.314 | 16.314 | 0.0 | -0.333 | -0.112 |
| 13 | 4 | 2 | 7.916 | 5.489 | -5.489 | 0.0 | 2.427 | 0.528 |
| 14 | 4 | 2 | 12.722 | 9.191 | -9.191 | 0.0 | 3.541 | 1.154 |
| 15 | 4 | 2 | 21.710 | 21.573 | 21.573 | 0.0 | 0.137 | 0.061 |
| 16 | 4 | 2 | 6.076 | 11.497 | -11.497 | 0.0 | -5.421 | -0.919 |
| 17 | 4 | 2 | 17.203 | 15.049 | -15.049 | 0.0 | 2.159 | 0.757 |
| 18 | 4 | 2 | 19.409 | 22.342 | -22.342 | 0.0 | -2.933 | -0.939 |
| 20 | 4 | 2 | 2.906 | 3.771 | 3.771 | 0.0 | -0.865 | -0.101 |
| 21 | 4 | 2 | 14.055 | 0.931 | -0.931 | 0.0 | 13.165 | 3.900 |
| 22 | 4 | 2 | 16.824 | 16.517 | -16.517 | 0.0 | 3.307 | 1.143 |
| 23 | 4 | 2 | 11.246 | 5.052 | 5.052 | 0.0 | 6.195 | 1.329 |
| 25 | 4 | 2 | 12.079 | 7.540 | -7.540 | 0.0 | 4.139 | 0.880 |
| 24 | 5 | 2 | 11.553 | 5.253 | -5.253 | 0.0 | 6.300 | 1.442 |
| 0 | 6 | 0 | 355.919 | 372.296 | 372.296 | 0.0 | -16.377 | -2.563 |
| 23 | 5 | 2 | 35.374 | 37.590 | -37.590 | 0.0 | -2.116 | -0.944 |
| 22 | 5 | 2 | 21.227 | 21.526 | -21.526 | 0.0 | -0.299 | -0.244 |
| 21 | 5 | 2 | 25.453 | 32.602 | 32.602 | 0.0 | -7.148 | -2.295 |
| 20 | 5 | 2 | 7.668 | 16.647 | -16.647 | 0.0 | -8.979 | -1.453 |
| 19 | 5 | 2 | 32.331 | 32.120 | 32.120 | 0.0 | 0.211 | 0.100 |
| 17 | 5 | 2 | 69.424 | 70.772 | -70.772 | 0.0 | -1.347 | -0.903 |
| 16 | 5 | 2 | 26.389 | 24.947 | 24.947 | 0.0 | 1.443 | 0.705 |
| 15 | 5 | 2 | 45.756 | 45.027 | -45.027 | 0.0 | 0.729 | 0.452 |
| 14 | 5 | 2 | 5.126 | 0.998 | 0.998 | 0.0 | 4.128 | 0.698 |
| 13 | 5 | 2 | 47.767 | 48.061 | 48.061 | 0.0 | -0.294 | -0.211 |

| H | K | L | F(OBS) | F(CALC) | AT(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 12 | 5 | 2 | 84.765 | 84.925 | 84.925 | 0.0 | -0.159 | -0.103 |
| 11 | 5 | 2 | 95.869 | 96.092 | 96.092 | 0.0 | 1.776 | 1.354 |
| 10 | 5 | 2 | 20.102 | 17.077 | 17.077 | 0.0 | 3.325 | 1.370 |
| 9 | 5 | 2 | 142.763 | 142.763 | -142.763 | 0.0 | 0.001 | 0.000 |
| 8 | 5 | 2 | 81.489 | 82.896 | 82.896 | 0.0 | -2.410 | -1.578 |
| 7 | 5 | 2 | 66.487 | 64.896 | -64.896 | 0.0 | 1.591 | 1.172 |
| 6 | 5 | 2 | 14.665 | 14.906 | -14.906 | 0.0 | -0.241 | -0.081 |
| 5 | 5 | 2 | 88.391 | 86.785 | 86.785 | 0.0 | 1.606 | 1.059 |
| 4 | 5 | 2 | 10.052 | 13.334 | 13.334 | 0.0 | -3.242 | -0.860 |
| 0 | 6 | 0 | 354.275 | 372.256 | 372.256 | 0.0 | -18.021 | -2.844 * |
| 3 | 5 | 2 | 137.446 | 142.238 | 142.238 | 0.0 | -4.892 | -2.212 |
| 1 | 5 | 2 | 65.572 | 68.459 | -68.459 | 0.0 | -2.887 | -2.250 |
| 0 | 6 | 2 | 8.303 | 10.122 | 10.122 | 0.0 | -2.119 | -0.453 |
| 1 | 6 | 2 | 42.061 | 41.882 | 41.882 | 0.0 | 0.919 | 0.588 |
| 2 | 6 | 2 | 125.289 | 131.816 | -131.816 | 0.0 | -6.526 | -3.153 |
| 3 | 6 | 2 | 150.112 | 155.915 | 155.915 | 0.0 | -5.803 | -2.403 |
| 5 | 6 | 2 | 115.864 | 116.874 | -116.874 | 0.0 | -1.010 | -0.524 |
| 6 | 6 | 2 | 12.269 | 1.918 | -1.918 | 0.0 | 10.351 | 3.149 * |
| 7 | 6 | 2 | 105.812 | 106.971 | -106.971 | 0.0 | -1.159 | -0.650 |
| 9 | 6 | 2 | 133.915 | 133.124 | 133.124 | 0.0 | -2.209 | -1.021 |
| 10 | 6 | 2 | 32.126 | 33.983 | 33.983 | 0.0 | -1.357 | -1.123 |
| 11 | 6 | 2 | 109.217 | 106.698 | 106.698 | 0.0 | 2.319 | 1.256 |
| 13 | 6 | 2 | 36.322 | 41.944 | -41.944 | 0.0 | -1.712 | -1.062 |
| 14 | 6 | 2 | 5.827 | 11.218 | 11.218 | 0.0 | -5.391 | -0.889 |
| 15 | 6 | 2 | 57.426 | 58.547 | -58.547 | 0.0 | 0.879 | 0.591 |
| 16 | 6 | 2 | 24.556 | 19.614 | 19.614 | 0.0 | 5.342 | 2.954 |
| 0 | 6 | 0 | 354.314 | 372.296 | 372.296 | 0.0 | -17.982 | -2.829 * |
| 17 | 6 | 2 | 52.453 | 50.818 | 50.818 | 0.0 | 1.636 | 1.000 |
| 18 | 6 | 2 | 17.690 | 17.575 | 17.575 | 0.0 | 0.115 | 0.036 |
| 19 | 6 | 2 | 47.297 | 47.017 | 47.017 | 0.0 | 0.280 | 0.164 |
| 20 | 6 | 2 | 11.889 | 5.059 | 5.059 | 0.0 | 6.830 | 1.667 |
| 21 | 6 | 2 | 31.203 | 33.908 | -33.908 | 0.0 | -2.705 | -1.170 |
| 22 | 6 | 2 | 57.336 | 55.324 | 55.324 | 0.0 | 2.012 | 1.199 |
| 23 | 6 | 2 | 90.640 | 77.975 | -77.975 | 0.0 | 2.665 | 1.536 |
| 22 | 7 | 2 | 21.095 | 16.120 | 16.120 | 0.0 | 4.976 | 1.762 |
| 21 | 7 | 2 | 11.916 | 13.516 | 13.516 | 0.0 | -1.393 | -0.336 |
| 19 | 7 | 2 | 4.966 | 2.787 | 2.787 | 0.0 | 2.178 | 0.297 |
| 17 | 7 | 2 | 8.237 | 10.396 | 10.396 | 0.0 | -2.159 | -0.365 |
| 16 | 7 | 2 | 26.379 | 21.771 | -21.771 | 0.0 | -1.592 | -0.406 |
| 14 | 7 | 2 | 10.238 | 7.266 | -7.266 | 0.0 | 2.972 | 0.599 |
| 13 | 7 | 2 | 30.501 | 27.622 | 27.622 | 0.0 | 2.879 | 1.667 |
| 12 | 7 | 2 | 50.940 | 50.005 | -50.005 | 0.0 | 0.935 | 0.649 |
| 11 | 7 | 2 | 17.251 | 17.009 | -17.009 | 0.0 | 0.243 | 0.087 |
| 10 | 7 | 2 | 12.342 | 7.577 | -7.577 | 0.0 | 4.365 | 1.305 |
| 0 | 6 | 0 | 357.116 | 372.296 | 372.296 | 0.0 | -15.190 | -2.366 * |
| 9 | 7 | 2 | 7.624 | 8.371 | 8.371 | 0.0 | -0.747 | -0.153 |
| 8 | 7 | 2 | 50.763 | 50.262 | -50.262 | 0.0 | 0.501 | 0.383 |
| 7 | 7 | 2 | 35.084 | 34.626 | -34.626 | 0.0 | 0.593 | 0.391 |
| 5 | 7 | 2 | 8.266 | 12.728 | 12.728 | 0.0 | -4.462 | -0.958 |
| 4 | 7 | 2 | 24.891 | 33.183 | -33.183 | 0.0 | -4.291 | -2.328 |
| 3 | 7 | 2 | 15.869 | 21.204 | -21.204 | 0.0 | -1.394 | -0.565 |
| 2 | 7 | 2 | 1.812 | 7.070 | -7.070 | 0.0 | -3.259 | -0.473 |
| 1 | 7 | 2 | 15.220 | 9.115 | -9.115 | 0.0 | 6.105 | 2.199 |

| H | K | L | F(CRS) | F(C) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 0 | 8 | 2 | 8.559 | 1.917 | 1.917 | 0.0 | 6.641 | 1.536 |
| 1 | 8 | 2 | 51.966 | 50.975 | 50.975 | 0.0 | 0.611 | 0.462 |
| 2 | 8 | 2 | 17.675 | 18.781 | 18.781 | 0.0 | -1.105 | -0.425 |
| 3 | 8 | 2 | 38.468 | 38.453 | 38.453 | 0.0 | 0.015 | 0.010 |
| 4 | 8 | 2 | 4.264 | 3.025 | 3.025 | 0.0 | 1.239 | 0.157 |
| 5 | 8 | 2 | 32.682 | 34.424 | -34.424 | 0.0 | -1.742 | -0.937 |
| 6 | 8 | 2 | 20.248 | 18.638 | 18.638 | 0.0 | 1.610 | 0.663 |
| 7 | 8 | 2 | 53.956 | 51.103 | -51.103 | 0.0 | 2.453 | 1.756 |
| 9 | 8 | 2 | 32.916 | 30.999 | 30.999 | 0.0 | 1.917 | 1.065 |
| 10 | 8 | 2 | 4.907 | 6.621 | -0.621 | 0.0 | 4.286 | 0.670 |
| 11 | 8 | 0 | 357.183 | 272.256 | 372.256 | 0.0 | -15.114 | -2.354 |
| 12 | 8 | 2 | 37.764 | 35.300 | 35.300 | 0.0 | 2.464 | 1.533 |
| 13 | 8 | 2 | 36.573 | 39.475 | -39.475 | 0.0 | -2.898 | -1.545 |
| 14 | 8 | 2 | 10.443 | 13.461 | -13.461 | 0.0 | -3.018 | -0.644 |
| 15 | 8 | 2 | 30.647 | 32.799 | -32.799 | 0.0 | -2.152 | -0.913 |
| 17 | 3 | 2 | 8.456 | 10.232 | 10.232 | 0.0 | -1.776 | -0.302 |
| 18 | 8 | 2 | 20.876 | 17.584 | -17.584 | 0.0 | 2.892 | 0.984 |
| 19 | 8 | 2 | 32.814 | 27.757 | 27.757 | 0.0 | 5.057 | 2.617 |
| 20 | 8 | 2 | 11.480 | 8.562 | -8.562 | 0.0 | 2.518 | 0.524 |
| 21 | 8 | 2 | 15.089 | 13.212 | -13.212 | 0.0 | 1.877 | 0.403 |
| 10 | 0 | 2 | 13.354 | 15.217 | -15.217 | 0.0 | -1.823 | -0.371 |
| 18 | 0 | 2 | 13.598 | 0.555 | -0.555 | 0.0 | 13.043 | 3.211 |
| 17 | 9 | 2 | 7.113 | 7.919 | 7.919 | 0.0 | -0.806 | -0.126 |
| 14 | 9 | 2 | 7.492 | 14.142 | 14.142 | 0.0 | -6.650 | -1.037 |
| 13 | 9 | 2 | 14.586 | 13.557 | 13.557 | 0.0 | 1.430 | 0.399 |
| 11 | 9 | 2 | 10.618 | 7.475 | -7.475 | 0.0 | 2.643 | 0.609 |
| 10 | 5 | 0 | 356.655 | 272.256 | 372.256 | 0.0 | -15.881 | -2.477 |
| 10 | 9 | 2 | 7.098 | 6.742 | 6.742 | 0.0 | 7.356 | 0.062 |
| 8 | 9 | 2 | 14.300 | 3.660 | -3.660 | 0.0 | 10.439 | 3.323 |
| 6 | 9 | 2 | 12.268 | 3.694 | -3.694 | 0.0 | 4.614 | 2.621 |
| 5 | 9 | 2 | 10.151 | 8.689 | -8.689 | 0.0 | 1.462 | 0.342 |
| 4 | 9 | 2 | 6.676 | 8.566 | -8.566 | 0.0 | -2.490 | -0.409 |
| 3 | 9 | 2 | 11.188 | 7.666 | -7.666 | 0.0 | 3.222 | 0.355 |
| 2 | 9 | 2 | 13.788 | 13.869 | -13.869 | 0.0 | -0.080 | -0.024 |
| 0 | 10 | 2 | 1.942 | 6.154 | 6.864 | 0.0 | -4.921 | -0.575 |
| 1 | 10 | 2 | 12.152 | 11.662 | -11.662 | 0.0 | 0.490 | 0.121 |
| 2 | 10 | 2 | 32.931 | 32.715 | 32.715 | 0.0 | 0.215 | 0.114 |
| 3 | 10 | 2 | 25.140 | 32.287 | -32.287 | 0.0 | -3.147 | -1.415 |
| 4 | 10 | 2 | 10.549 | 4.769 | 4.769 | 0.0 | 5.776 | 1.373 |
| 5 | 10 | 2 | 14.563 | 14.456 | 14.456 | 0.0 | 0.076 | 0.021 |
| 6 | 10 | 2 | 17.699 | 17.642 | 17.642 | 0.0 | 0.048 | 0.016 |
| 7 | 10 | 2 | 8.968 | 11.516 | -11.516 | 0.0 | -2.548 | -0.456 |
| 8 | 10 | 2 | 6.654 | 16.925 | -16.925 | 0.0 | -7.271 | -1.368 |
| 9 | 10 | 2 | 14.003 | 12.127 | -12.127 | 0.0 | 1.881 | 0.484 |
| 0 | 6 | 0 | 356.855 | 272.256 | 372.256 | 0.0 | -15.401 | -2.407 |
| 10 | 10 | 2 | 4.484 | 0.732 | 0.732 | 0.0 | 3.752 | 0.502 |
| 11 | 10 | 2 | 21.958 | 24.269 | -24.269 | 0.0 | -2.310 | -0.775 |
| 13 | 10 | 2 | 13.558 | 11.733 | 11.733 | 0.0 | 1.866 | 0.450 |
| 15 | 10 | 2 | 15.323 | 19.125 | 19.125 | 0.0 | -3.803 | -0.929 |
| 16 | 10 | 2 | 11.612 | 0.808 | -0.808 | 0.0 | 10.803 | 2.393 |
| 17 | 10 | 2 | 22.854 | 20.549 | -20.549 | 0.0 | 2.346 | 0.814 |
| 13 | 11 | 2 | 14.590 | 14.193 | 14.193 | 0.0 | 0.437 | 0.133 |
| 12 | 11 | 2 | 43.775 | 47.561 | 47.561 | 0.0 | -3.786 | -1.732 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 11 | 11 | 2 | 47.959 | 48.299 | 48.299 | 0.0 | -0.341 | -0.181 |
| 10 | 11 | 2 | 13.223 | 7.445 | 7.445 | 0.0 | 5.779 | 1.376 |
| 9 | 11 | 2 | 75.427 | 75.229 | -75.229 | 0.0 | 0.198 | 0.116 |
| 8 | 11 | 2 | 38.175 | 38.776 | 38.776 | 0.0 | -0.601 | -0.267 |
| 7 | 11 | 2 | 43.042 | 41.983 | -41.983 | 0.0 | 1.059 | 0.587 |
| 6 | 11 | 2 | 7.799 | 4.383 | 4.383 | 0.0 | 3.416 | 0.589 |
| 5 | 11 | 2 | 53.114 | 52.064 | 52.064 | 0.0 | 1.110 | 0.668 |
| 4 | 11 | 2 | 12.576 | 1.706 | 1.706 | 0.0 | 10.870 | 2.715 * |
| 3 | 11 | 2 | 60.575 | 61.425 | 61.425 | 0.0 | -0.849 | -0.506 |
| 0 | 0 | 0 | 354.505 | 272.256 | 372.256 | 0.0 | -17.792 | -2.798 * |
| 2 | 11 | 2 | 4.464 | 6.561 | 6.561 | 0.0 | -2.097 | -0.274 |
| 1 | 11 | 2 | 24.673 | 24.656 | -24.656 | 0.0 | 0.622 | 0.235 |
| 0 | 12 | 2 | 12.327 | 5.564 | -5.564 | 0.0 | 6.366 | 1.582 |
| 1 | 12 | 2 | 14.256 | 5.416 | 9.416 | 0.0 | 4.340 | 1.255 |
| 2 | 12 | 2 | 47.136 | 46.004 | -46.004 | 0.0 | 1.132 | 0.627 |
| 3 | 12 | 2 | 48.457 | 46.641 | 46.641 | 0.0 | 1.316 | 1.039 |
| 4 | 12 | 2 | 15.685 | 8.116 | -8.116 | 0.0 | 7.572 | 2.159 |
| 5 | 12 | 2 | 21.110 | 20.606 | -20.606 | 0.0 | 0.534 | 0.160 |
| 6 | 12 | 2 | 8.938 | 8.750 | -8.750 | 0.0 | 0.188 | 0.033 |
| 7 | 12 | 2 | 20.336 | 13.203 | -13.203 | 0.0 | 7.133 | 2.315 |
| 9 | 12 | 2 | 35.918 | 33.464 | 33.464 | 0.0 | 1.954 | 0.955 |
| 10 | 12 | 2 | 15.765 | 10.571 | 10.571 | 0.0 | 9.195 | 2.114 |
| 3 | 13 | 2 | 13.671 | 7.959 | 7.959 | 0.0 | 5.673 | 1.325 |
| 1 | 13 | 2 | 25.644 | 26.021 | -26.021 | 0.0 | -0.173 | -0.058 |
| 0 | 12 | 3 | 5.442 | 12.775 | -12.775 | 0.0 | -7.313 | -0.965 |
| 2 | 12 | 3 | 10.501 | 6.267 | 6.267 | 0.0 | 4.235 | 0.965 |
| 3 | 12 | 3 | 12.590 | 8.933 | 8.933 | 0.0 | 3.657 | 0.802 |
| 0 | 6 | 0 | 355.785 | 272.256 | 372.256 | 0.0 | -16.514 | -2.584 * |
| 5 | 12 | 3 | 11.045 | 3.555 | 3.555 | 0.0 | 8.291 | 1.337 |
| 6 | 12 | 3 | 3.729 | 1.772 | 1.772 | 0.0 | 2.137 | 0.266 |
| 7 | 12 | 3 | 11.612 | 1.663 | 1.663 | 0.0 | 10.548 | 2.162 * |
| 12 | 11 | 3 | 1.372 | 5.266 | -0.266 | 0.0 | -7.893 | -0.725 |
| 11 | 11 | 3 | 13.511 | 12.888 | -12.888 | 0.0 | 0.623 | 0.147 |
| 10 | 11 | 3 | 32.941 | 31.846 | -31.846 | 0.0 | 2.096 | 0.923 |
| 9 | 11 | 3 | 21.432 | 18.499 | 18.499 | 0.0 | 2.933 | 1.029 |
| 8 | 11 | 3 | 7.595 | 2.329 | -2.329 | 0.0 | 5.265 | 0.871 |
| 7 | 11 | 3 | 7.452 | 14.308 | 14.308 | 0.0 | -6.816 | -1.053 |
| 6 | 11 | 3 | 17.376 | 13.856 | 13.856 | 0.0 | 3.223 | 0.930 |
| 5 | 11 | 3 | 23.815 | 22.018 | -22.018 | 0.0 | 1.798 | 0.537 |
| 4 | 11 | 3 | 14.095 | 3.175 | 3.175 | 0.0 | 10.923 | 2.778 * |
| 3 | 11 | 3 | 23.509 | 21.574 | -21.574 | 0.0 | 1.934 | 0.707 |
| 2 | 11 | 3 | 38.380 | 36.295 | -36.295 | 0.0 | 2.085 | 1.038 |
| 1 | 11 | 3 | 8.650 | 10.528 | 10.528 | 0.0 | -1.838 | -0.323 |
| 0 | 10 | 3 | 12.459 | 15.121 | -15.121 | 0.0 | -6.663 | -1.485 |
| 1 | 10 | 3 | 14.621 | 5.661 | 9.661 | 0.0 | 4.960 | 1.495 |
| 2 | 10 | 3 | 13.598 | 2.174 | 2.174 | 0.0 | 11.425 | 3.019 * |
| 3 | 10 | 3 | 34.717 | 31.675 | 31.675 | 0.0 | 2.043 | 1.761 |
| 0 | 4 | 0 | 355.823 | 272.256 | 372.256 | 0.0 | -10.473 | -2.578 * |
| 4 | 10 | 3 | 40.045 | 39.617 | -39.617 | 0.0 | 0.448 | 0.223 |
| 7 | 10 | 3 | 6.222 | 4.709 | 4.709 | 0.0 | 1.513 | 0.230 |
| 9 | 10 | 3 | 9.566 | 13.359 | 13.359 | 0.0 | -3.803 | -0.666 |
| 11 | 10 | 3 | 29.057 | 22.393 | 22.393 | 0.0 | 5.664 | 2.651 |
| 13 | 10 | 3 | 7.069 | 1.542 | 1.542 | 0.0 | 5.527 | 0.866 |

CARD 2 OF 4



| H | K | L | F(CBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 14 | 10 | 3 | 6.976 | 2.798 | 2.788 | 0.0 | 3.288 | 0.471 |
| 15 | 10 | 3 | 13.929 | 7.378 | -7.378 | 0.0 | 5.650 | 1.334 |
| 17 | 9 | 3 | 15.323 | 12.793 | 12.793 | 0.0 | 2.529 | 0.634 |
| 15 | 9 | 3 | 28.057 | 27.291 | 27.291 | 0.0 | 0.766 | 0.256 |
| 14 | 9 | 3 | 92.967 | 53.444 | 93.444 | 0.0 | -0.559 | -0.305 |
| 13 | 9 | 3 | 55.762 | 56.155 | -56.155 | 0.0 | -0.393 | -0.235 |
| 12 | 9 | 3 | 9.683 | 4.580 | -4.986 | 0.0 | 4.697 | 0.937 |
| 11 | 9 | 3 | 16.155 | 12.667 | -12.667 | 0.0 | 3.282 | 0.919 |
| 10 | 9 | 3 | 16.959 | 13.501 | 13.901 | 0.0 | 3.058 | 0.930 |
| 0 | 6 | 0 | 354.662 | 372.296 | 372.296 | 0.0 | -17.314 | -2.721 * |
| 9 | 9 | 2 | 14.937 | 8.674 | 8.674 | 0.0 | 5.163 | 1.504 |
| 8 | 9 | 3 | 13.768 | 1.515 | -1.515 | 0.0 | 12.274 | 3.605 * |
| 7 | 9 | 3 | 20.947 | 22.605 | 22.605 | 0.0 | -3.758 | -1.679 |
| 6 | 9 | 2 | 66.723 | 67.218 | 67.218 | 0.0 | -0.495 | -0.305 |
| 5 | 9 | 3 | 23.347 | 21.701 | -21.700 | 0.0 | 1.647 | 0.732 |
| 4 | 9 | 3 | 4.673 | 1.011 | 1.011 | 0.0 | 3.662 | 0.561 |
| 3 | 9 | 3 | 13.175 | 15.102 | -15.102 | 0.0 | -2.007 | -0.516 |
| 2 | 9 | 3 | 63.670 | 69.970 | -69.970 | 0.0 | -2.301 | -1.515 |
| 1 | 9 | 3 | 69.214 | 66.512 | 66.912 | 0.0 | 1.301 | 0.899 |
| 0 | 8 | 3 | 142.947 | 145.203 | 145.203 | 0.0 | -2.256 | -0.951 |
| 1 | 8 | 3 | 64.920 | 66.103 | 66.100 | 0.0 | -1.289 | -0.383 |
| 2 | 8 | 3 | 14.110 | 10.690 | -10.690 | 0.0 | 3.429 | 1.072 |
| 3 | 8 | 3 | 31.305 | 33.256 | 33.256 | 0.0 | -1.891 | -1.117 |
| 4 | 8 | 3 | 24.954 | 31.283 | -31.283 | 0.0 | -2.290 | -1.159 |
| 5 | 8 | 3 | 31.057 | 34.155 | -34.155 | 0.0 | -3.138 | -1.600 |
| 6 | 8 | 3 | 4.778 | 5.195 | -5.195 | 0.0 | 3.502 | 0.867 |
| 7 | 8 | 3 | 64.717 | 64.733 | -64.733 | 0.0 | -0.016 | -0.011 |
| 8 | 8 | 3 | 66.385 | 69.906 | 69.906 | 0.0 | -2.021 | -1.304 |
| 9 | 8 | 3 | 15.176 | 11.067 | 11.069 | 0.0 | 4.107 | 1.278 |
| 10 | 8 | 3 | 5.258 | 2.521 | 2.921 | 0.0 | 2.337 | 0.356 |
| 0 | 6 | 0 | 356.034 | 372.296 | 372.296 | 0.0 | -16.262 | -2.555 * |
| 11 | 8 | 3 | 9.423 | 9.276 | 9.396 | 0.0 | -3.963 | -0.571 |
| 12 | 8 | 3 | 56.277 | 53.136 | -53.136 | 0.0 | -1.865 | -1.062 |
| 13 | 8 | 3 | 46.259 | 46.069 | -46.069 | 0.0 | 0.231 | 0.135 |
| 14 | 8 | 3 | 16.688 | 7.610 | -7.610 | 0.0 | 9.379 | 3.100 |
| 15 | 8 | 3 | 44.861 | 43.875 | -43.875 | 0.0 | 0.986 | 0.546 |
| 16 | 8 | 3 | 27.311 | 22.802 | 22.802 | 0.0 | -5.491 | -1.925 |
| 17 | 8 | 3 | 21.359 | 18.606 | 18.606 | 0.0 | 4.753 | 1.757 |
| 18 | 8 | 3 | 6.625 | 0.573 | -0.573 | 0.0 | 8.652 | 1.722 |
| 19 | 8 | 3 | 52.650 | 48.541 | 48.541 | 0.0 | 3.909 | 2.375 |
| 21 | 7 | 3 | 8.957 | 4.855 | 4.855 | 0.0 | 4.141 | 0.718 |
| 20 | 7 | 3 | 12.620 | 11.505 | 11.505 | 0.0 | 1.114 | 0.248 |
| 19 | 7 | 3 | 12.021 | 5.833 | 9.833 | 0.0 | 2.188 | 0.464 |
| 18 | 7 | 3 | 9.377 | 5.336 | -5.336 | 0.0 | 4.040 | 0.758 |
| 17 | 7 | 3 | 13.221 | 16.426 | 16.426 | 0.0 | -3.105 | -0.711 |
| 16 | 7 | 3 | 11.455 | 2.610 | -2.610 | 0.0 | 8.895 | 1.943 |
| 15 | 7 | 3 | 6.351 | 7.624 | -7.624 | 0.0 | 1.767 | 0.355 |
| 14 | 7 | 3 | 43.350 | 43.513 | -43.513 | 0.0 | -0.163 | -0.092 |
| 13 | 7 | 3 | 24.299 | 22.571 | 22.571 | 0.0 | 1.727 | 0.720 |
| 12 | 7 | 3 | 9.201 | 6.716 | -6.716 | 0.0 | 2.486 | 0.524 |
| 11 | 7 | 3 | 11.246 | 5.631 | -5.631 | 0.0 | 5.615 | 1.468 |
| 0 | 6 | 0 | 355.441 | 372.296 | 372.296 | 0.0 | -16.955 | -2.647 * |
| 10 | 7 | 3 | 24.857 | 23.131 | -23.131 | 0.0 | 1.766 | 0.833 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 9 | 7 | 3 | 14.694 | 12.654 | 12.654 | 0.0 | 2.040 | 0.671 |
| 8 | 7 | 3 | 14.621 | 13.220 | 13.220 | 0.0 | 1.401 | 0.438 |
| 7 | 7 | 3 | 16.433 | 16.110 | -16.110 | 0.0 | -3.323 | 0.108 |
| 6 | 7 | 3 | 34.003 | 33.789 | -33.789 | 0.0 | 0.211 | 0.126 |
| 5 | 7 | 3 | 7.317 | 5.683 | -9.983 | 0.0 | -2.566 | -0.492 |
| 4 | 7 | 3 | 20.394 | 21.101 | 21.101 | 0.0 | -0.707 | -0.310 |
| 2 | 7 | 3 | 9.844 | 6.260 | 6.260 | 0.0 | 3.584 | 0.399 |
| 1 | 7 | 3 | 11.743 | 16.154 | -16.164 | 0.0 | -4.421 | -1.155 |
| 2 | 6 | 3 | 18.231 | 20.311 | 20.311 | 0.0 | -2.080 | -0.800 |
| 3 | 6 | 3 | 2.223 | 13.755 | 13.756 | 0.0 | -11.536 | -1.435 * |
| 4 | 6 | 3 | 5.215 | 3.522 | 3.523 | 0.0 | 1.691 | 0.303 |
| 7 | 6 | 3 | 8.668 | 5.564 | 5.564 | 0.0 | 3.103 | 0.323 |
| 8 | 6 | 3 | 26.463 | 26.305 | -26.305 | 0.0 | 0.158 | 0.083 |
| 9 | 6 | 3 | 13.213 | 10.742 | -10.742 | 0.0 | 2.476 | 0.737 |
| 0 | 6 | 0 | 354.333 | 372.256 | 372.256 | 0.0 | -17.964 | -2.334 * |
| 10 | 6 | 3 | 10.642 | 8.644 | -8.844 | 0.0 | 1.818 | 0.449 |
| 12 | 6 | 3 | 6.579 | 6.182 | 0.182 | 0.0 | 0.399 | 0.340 |
| 13 | 6 | 3 | 8.748 | 1.481 | -1.481 | 0.0 | 7.268 | 1.517 |
| 14 | 6 | 3 | 6.777 | 1.485 | -1.485 | 0.0 | 5.292 | 0.977 |
| 15 | 6 | 3 | 12.210 | 1.566 | -1.566 | 0.0 | 10.645 | 2.435 * |
| 16 | 6 | 3 | 11.665 | 2.644 | 2.844 | 0.0 | 8.841 | 2.177 |
| 18 | 6 | 3 | 6.500 | 5.659 | 5.659 | 0.0 | 2.841 | 0.531 |
| 19 | 6 | 3 | 12.956 | 1.030 | 1.030 | 0.0 | 11.925 | 2.936 * |
| 20 | 6 | 3 | 14.728 | 14.325 | 14.325 | 0.0 | 4.402 | 1.414 |
| 21 | 6 | 3 | 13.467 | 5.669 | 9.869 | 0.0 | 3.598 | 0.797 |
| 23 | 5 | 3 | 4.527 | 5.064 | 3.064 | 0.0 | -0.537 | -0.269 |
| 22 | 5 | 3 | 7.166 | 14.024 | 14.024 | 0.0 | -6.858 | -0.954 |
| 21 | 5 | 3 | 16.623 | 13.553 | -13.553 | 0.0 | 3.070 | 0.490 |
| 18 | 5 | 3 | 32.419 | 30.863 | -30.863 | 0.0 | 1.555 | 0.781 |
| 17 | 5 | 3 | 36.490 | 37.841 | 37.841 | 0.0 | -1.351 | -0.683 |
| 0 | 6 | 0 | 353.570 | 372.256 | 372.256 | 0.0 | -18.727 | -2.958 * |
| 15 | 5 | 3 | 25.336 | 25.966 | 25.966 | 0.0 | -0.569 | -0.250 |
| 14 | 5 | 3 | 23.653 | 23.651 | 23.851 | 0.0 | -0.201 | -1.940 |
| 13 | 5 | 3 | 17.509 | 19.342 | -18.342 | 0.0 | -0.842 | -0.305 |
| 12 | 5 | 3 | 8.252 | 2.442 | -2.442 | 0.0 | 5.810 | 1.271 |
| 11 | 5 | 3 | 25.965 | 22.714 | -22.714 | 0.0 | 3.251 | 1.822 |
| 10 | 5 | 3 | 57.410 | 57.560 | -57.560 | 0.0 | -0.150 | -0.107 |
| 9 | 5 | 3 | 36.988 | 36.423 | 36.423 | 0.0 | 0.565 | 0.367 |
| 8 | 5 | 3 | 6.734 | 5.102 | -5.102 | 0.0 | 3.632 | 0.854 |
| 7 | 5 | 3 | 5.141 | 2.617 | 2.617 | 0.0 | 2.523 | 0.422 |
| 6 | 5 | 3 | 9.377 | 7.155 | -7.155 | 0.0 | 2.222 | 0.524 |
| 5 | 5 | 3 | 38.790 | 40.072 | -40.072 | 0.0 | -1.282 | -0.833 |
| 4 | 5 | 3 | 16.039 | 12.133 | -12.133 | 0.0 | 3.906 | 1.437 |
| 3 | 5 | 3 | 50.484 | 51.758 | -51.758 | 0.0 | -1.273 | -0.932 |
| 2 | 5 | 3 | 79.129 | 83.901 | -83.901 | 0.0 | -4.773 | -3.253 |
| 1 | 5 | 3 | 33.517 | 37.046 | 37.046 | 0.0 | -3.529 | -2.152 |
| 0 | 4 | 3 | 135.160 | 147.839 | -147.839 | 0.0 | -12.679 | -5.821 * |
| 1 | 4 | 3 | 41.429 | 42.200 | -42.200 | 0.0 | -0.771 | -0.554 |
| 2 | 4 | 3 | 14.709 | 12.112 | -12.112 | 0.0 | 2.597 | 0.893 |
| 3 | 4 | 3 | 26.243 | 26.686 | 26.686 | 0.0 | -0.443 | -0.242 |
| 0 | 6 | 0 | 354.676 | 372.256 | 372.256 | 0.0 | -17.580 | -2.770 * |
| 4 | 4 | 3 | 29.463 | 23.569 | -33.569 | 0.0 | -4.166 | -2.277 |
| 5 | 4 | 3 | 17.924 | 18.495 | 18.495 | 0.0 | -0.571 | -0.217 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 6 | 4 | 3 | 11.889 | 7.891 | 7.891 | 0.0 | 3.998 | 1.140 |
| 7 | 4 | 3 | 33.796 | 29.475 | 29.475 | 0.0 | 3.529 | 2.232 |
| 8 | 4 | 3 | 20.025 | 17.710 | -17.710 | 0.0 | -2.318 | 0.927 |
| 9 | 4 | 3 | 11.100 | 16.036 | 16.036 | 0.0 | -4.936 | -1.233 |
| 10 | 4 | 3 | 22.742 | 24.138 | 24.138 | 0.0 | -1.375 | -0.627 |
| 11 | 4 | 3 | 7.770 | 11.475 | 11.475 | 0.0 | -3.705 | -0.757 |
| 12 | 4 | 3 | 49.515 | 49.025 | 49.026 | 0.0 | 0.489 | 0.343 |
| 13 | 4 | 3 | 34.483 | 34.772 | 34.772 | 0.0 | -0.289 | -0.171 |
| 14 | 4 | 3 | 5.362 | 5.563 | 5.563 | 0.0 | -0.202 | -0.043 |
| 15 | 4 | 3 | 18.187 | 20.574 | 20.574 | 0.0 | -2.387 | -0.842 |
| 17 | 4 | 3 | 1.523 | 1.394 | 1.394 | 0.0 | 0.139 | 0.015 |
| 18 | 4 | 3 | 4.321 | 5.778 | -5.773 | 0.0 | -1.557 | -0.208 |
| 19 | 4 | 3 | 17.120 | 13.835 | -13.835 | 0.0 | 3.285 | 0.999 |
| 20 | 4 | 3 | 48.134 | 44.616 | 44.616 | 0.0 | 3.519 | 2.140 |
| 22 | 4 | 3 | 13.160 | 5.599 | -5.599 | 0.0 | 3.561 | 0.846 |
| 23 | 4 | 3 | 18.523 | 20.743 | -20.743 | 0.0 | -2.220 | -0.612 |
| 0 | 6 | 0 | 355.460 | 372.296 | 372.296 | 0.0 | -15.836 | -2.644 |
| 24 | 4 | 3 | 21.058 | 21.358 | 21.358 | 0.0 | -1.340 | -0.325 |
| 23 | 3 | 3 | 6.484 | 0.540 | -0.449 | 0.0 | 5.544 | 0.822 |
| 22 | 3 | 3 | 30.283 | 37.730 | 37.730 | 0.0 | 0.532 | 0.267 |
| 21 | 3 | 3 | 64.103 | 66.891 | -66.891 | 0.0 | -0.788 | -0.494 |
| 20 | 3 | 3 | 3.783 | 12.383 | -12.383 | 0.0 | -8.600 | -1.033 |
| 19 | 3 | 3 | 51.425 | 50.114 | -50.114 | 0.0 | 1.311 | 0.892 |
| 18 | 3 | 3 | 81.619 | 82.543 | -32.543 | 0.0 | -3.924 | -0.561 |
| 17 | 3 | 3 | 45.228 | 44.926 | 44.926 | 0.0 | 0.302 | 0.187 |
| 16 | 3 | 3 | 4.602 | 13.284 | -13.284 | 0.0 | -6.682 | -0.924 |
| 15 | 3 | 3 | 57.891 | 57.403 | 57.403 | 0.0 | 0.448 | 0.314 |
| 14 | 3 | 3 | 174.828 | 173.475 | 173.475 | 0.0 | 1.353 | 0.475 |
| 13 | 3 | 3 | 108.387 | 105.562 | -105.562 | 0.0 | -0.675 | -0.362 |
| 12 | 3 | 3 | 27.604 | 26.970 | -26.970 | 0.0 | 0.634 | 0.355 |
| 11 | 3 | 3 | 37.246 | 29.235 | -39.235 | 0.0 | -1.939 | -1.203 |
| 10 | 3 | 3 | 14.504 | 6.034 | -6.084 | 0.0 | 8.420 | 2.757 |
| 9 | 3 | 3 | 38.277 | 36.705 | 36.705 | 0.0 | 1.572 | 1.032 |
| 8 | 3 | 3 | 10.462 | 10.505 | 10.905 | 0.0 | -0.243 | -0.062 |
| 7 | 3 | 3 | 92.302 | 82.108 | 92.108 | 0.0 | 0.193 | 0.129 |
| 6 | 3 | 3 | 195.395 | 184.629 | 184.629 | 0.0 | 3.566 | 0.150 |
| 0 | 6 | 0 | 355.020 | 372.296 | 372.296 | 0.0 | -17.276 | -2.715 |
| 5 | 3 | 3 | 92.594 | 92.232 | -92.232 | 0.0 | 0.342 | 0.216 |
| 4 | 3 | 3 | 29.554 | 25.782 | 25.782 | 0.0 | 3.812 | 2.529 |
| 3 | 3 | 3 | 54.394 | 54.758 | -54.758 | 0.0 | -0.364 | -0.295 |
| 2 | 3 | 3 | 171.466 | 175.533 | -175.533 | 0.0 | -4.067 | -1.479 |
| 1 | 3 | 3 | 161.724 | 171.221 | 171.221 | 0.0 | -9.497 | -3.668 |
| 0 | 2 | 3 | 231.465 | 252.519 | 252.519 | 0.0 | -21.034 | -5.553 |
| 1 | 2 | 3 | 102.368 | 105.268 | 105.268 | 0.0 | -2.960 | -1.766 |
| 2 | 2 | 3 | 10.779 | 8.610 | 8.610 | 0.0 | 4.168 | 1.379 |
| 3 | 2 | 3 | 29.842 | 30.589 | 30.949 | 0.0 | -1.147 | -0.768 |
| 4 | 2 | 3 | 25.336 | 26.115 | -26.115 | 0.0 | -0.779 | -0.480 |
| 5 | 2 | 3 | 45.243 | 44.738 | -44.738 | 0.0 | 0.505 | 0.409 |
| 6 | 2 | 3 | 12.767 | 14.671 | -14.671 | 0.0 | -1.904 | -0.619 |
| 7 | 2 | 3 | 77.677 | 74.872 | -74.872 | 0.0 | 2.805 | 1.954 |
| 8 | 2 | 3 | 70.582 | 68.672 | 68.672 | 0.0 | 1.890 | 1.361 |
| 10 | 2 | 3 | 23.464 | 15.074 | -19.074 | 0.0 | 4.391 | 2.208 |
| 11 | 2 | 3 | 17.383 | 10.777 | 10.777 | 0.0 | 6.606 | 2.628 |

| H | K | L | F(08S) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 12 | 2 | 3 | 92.112 | 50.638 | -90.938 | 0.0 | 1.175 | 0.717 |
| 13 | 2 | 3 | 63.025 | 64.607 | -64.603 | 3.0 | -0.982 | -0.701 |
| 14 | 2 | 3 | 5.112 | 12.789 | -12.789 | 0.0 | -7.678 | -1.184 |
| 0 | 6 | 0 | 355.001 | 372.256 | 372.256 | 0.0 | -17.295 | -2.718 |
| 15 | 2 | 3 | 56.144 | 54.285 | -54.285 | 0.0 | 1.359 | 1.303 |
| 16 | 2 | 3 | 38.526 | 37.813 | 37.813 | 0.0 | 0.715 | 0.439 |
| 17 | 2 | 3 | 13.277 | 17.539 | 17.539 | 0.0 | -4.662 | -1.266 |
| 18 | 2 | 3 | 12.303 | 8.599 | 8.599 | 0.0 | 5.206 | 1.619 |
| 19 | 2 | 3 | 46.444 | 48.407 | 49.407 | 0.0 | -1.961 | -1.113 |
| 20 | 2 | 3 | 81.990 | 84.469 | -84.469 | 0.0 | -2.479 | -1.505 |
| 21 | 2 | 3 | 18.304 | 20.452 | -20.452 | 3.0 | -2.188 | -0.648 |
| 22 | 2 | 3 | 3.607 | 6.221 | 6.221 | 0.0 | -2.614 | -0.258 |
| 23 | 2 | 3 | 8.953 | 5.178 | 5.178 | 0.0 | 3.774 | 0.706 |
| 25 | 2 | 3 | 14.183 | 0.536 | 8.926 | 0.0 | 5.246 | 1.273 |
| 25 | 1 | 3 | 21.320 | 14.641 | 14.641 | 0.0 | 6.589 | 2.447 |
| 23 | 1 | 3 | 13.511 | 0.573 | 0.573 | 0.0 | 12.537 | 3.233 |
| 21 | 1 | 3 | 7.702 | 5.032 | -9.032 | 3.0 | -6.333 | -0.703 |
| 20 | 1 | 3 | 15.206 | 8.119 | 8.119 | 0.0 | 7.087 | 2.155 |
| 19 | 1 | 3 | 3.958 | 4.390 | 4.390 | 0.0 | -0.432 | -0.058 |
| 19 | 1 | 3 | 23.742 | 24.558 | -24.558 | 0.0 | -0.856 | -0.373 |
| 17 | 1 | 3 | 41.042 | 39.169 | 39.169 | 0.0 | 1.393 | 1.254 |
| 0 | 6 | 0 | 355.862 | 372.256 | 372.256 | 0.0 | -16.435 | -2.572 |
| 15 | 1 | 3 | 17.573 | 15.438 | 15.438 | 0.0 | 2.135 | 0.709 |
| 14 | 1 | 3 | 14.563 | 7.535 | -7.505 | 0.0 | 0.658 | 2.325 |
| 13 | 1 | 3 | 7.215 | 2.037 | 2.037 | 0.0 | 5.174 | 1.087 |
| 12 | 1 | 3 | 7.410 | 4.005 | -4.005 | 0.0 | -1.596 | -0.203 |
| 11 | 1 | 3 | 23.245 | 14.664 | -19.856 | 0.0 | 3.351 | 1.614 |
| 10 | 1 | 3 | 57.675 | 54.199 | -54.199 | 0.0 | 3.474 | 2.653 |
| 9 | 1 | 3 | 37.310 | 35.833 | 35.833 | 0.0 | 1.478 | 0.934 |
| 8 | 1 | 3 | 5.656 | 7.625 | 7.625 | 0.0 | -1.929 | -0.350 |
| 7 | 1 | 3 | 17.924 | 14.598 | -14.488 | 0.0 | 3.036 | 1.274 |
| 6 | 1 | 3 | 22.433 | 31.255 | -31.505 | 0.0 | 7.928 | 0.654 |
| 5 | 1 | 3 | 45.257 | 43.526 | -43.526 | 0.0 | 1.733 | 1.441 |
| 3 | 1 | 3 | 46.490 | 45.362 | -45.362 | 0.0 | 1.128 | 0.973 |
| 2 | 1 | 3 | 62.942 | 62.482 | -62.482 | 0.0 | 0.480 | 0.357 |
| 1 | 1 | 3 | 24.546 | 28.235 | 28.235 | 0.0 | -3.689 | -2.293 |
| 0 | 0 | 4 | 144.387 | 145.023 | -145.023 | 0.0 | -0.636 | -0.273 |
| 1 | 0 | 4 | 54.183 | 95.763 | -95.763 | 0.0 | -1.579 | -0.963 |
| 2 | 0 | 4 | 26.419 | 25.810 | 25.810 | 3.0 | 0.609 | 0.320 |
| 3 | 0 | 4 | 83.379 | 80.341 | 80.341 | 0.0 | 3.029 | 2.020 |
| 0 | 6 | 0 | 355.269 | 372.256 | 372.256 | 0.0 | -17.027 | -2.875 |
| 4 | 0 | 4 | 220.258 | 213.526 | 213.526 | 0.0 | 6.772 | 1.881 |
| 5 | 0 | 4 | 57.243 | 56.321 | -56.321 | 0.0 | 0.927 | 0.664 |
| 6 | 0 | 4 | 15.352 | 13.085 | 13.085 | 0.0 | 2.267 | 0.728 |
| 7 | 0 | 4 | 61.989 | 62.892 | -62.892 | 0.0 | -0.903 | -0.652 |
| 8 | 0 | 4 | 166.477 | 162.567 | -162.567 | 0.0 | 3.911 | 1.453 |
| 9 | 0 | 4 | 7.595 | 4.815 | -4.815 | 0.0 | 2.780 | 0.597 |
| 10 | 0 | 4 | 23.508 | 21.654 | -21.654 | 0.0 | 1.354 | 0.968 |
| 11 | 0 | 4 | 67.638 | 67.891 | -67.891 | 0.0 | -0.254 | -0.175 |
| 12 | 0 | 4 | 135.419 | 134.244 | 134.244 | 0.0 | 1.175 | 0.525 |
| 13 | 0 | 4 | 45.551 | 45.133 | -45.133 | 0.0 | 0.619 | 0.279 |
| 14 | 0 | 4 | 9.084 | 7.297 | 7.297 | 0.0 | 1.787 | 0.386 |
| 15 | 0 | 4 | 8.719 | 8.005 | -8.005 | 3.0 | 0.715 | 0.143 |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 16 | 0 | 4 | 120.872 | 120.120 | -120.120 | 0.0 | 0.753 | 0.364 |
| 17 | 0 | 4 | 17.693 | 19.857 | 19.897 | 0.0 | -2.207 | -0.559 |
| 18 | 0 | 4 | 26.914 | 26.509 | -26.509 | 0.0 | 0.304 | 0.127 |
| 19 | 0 | 4 | 4.221 | 6.787 | 6.787 | 0.0 | -2.567 | -0.331 |
| 20 | 0 | 4 | 55.453 | 54.838 | 54.858 | 0.0 | 0.595 | 0.351 |
| 21 | 0 | 4 | 31.540 | 27.785 | 27.785 | 0.0 | 3.755 | 1.794 |
| 22 | 0 | 4 | 17.500 | 0.039 | -0.039 | 0.0 | 17.461 | 5.609 * |
| 23 | 0 | 4 | 25.956 | 26.458 | -26.458 | 0.0 | -0.502 | -0.314 |
| 0 | 4 | 0 | 392.122 | 372.256 | 372.256 | 0.0 | -20.175 | -3.203 * |
| 23 | 1 | 4 | 10.956 | 15.087 | -15.087 | 0.0 | -4.191 | -0.766 |
| 22 | 1 | 4 | 35.923 | 43.532 | -43.532 | 0.0 | -3.648 | -1.682 |
| 21 | 1 | 4 | 11.568 | 11.431 | -11.431 | 0.0 | 0.137 | 0.048 |
| 19 | 1 | 4 | 14.957 | 17.296 | -17.296 | 0.0 | -2.339 | -0.574 |
| 18 | 1 | 4 | 38.629 | 40.463 | 40.463 | 0.0 | -1.834 | -0.978 |
| 17 | 1 | 4 | 5.371 | 4.322 | 4.322 | 0.0 | 1.049 | 0.245 |
| 16 | 1 | 4 | 5.342 | 6.633 | 6.633 | 0.0 | -0.791 | -0.125 |
| 15 | 1 | 4 | 18.567 | 21.714 | -21.713 | 0.0 | -3.146 | -1.345 |
| 14 | 1 | 4 | 2.383 | 12.433 | -12.433 | 0.0 | -4.050 | -0.772 |
| 12 | 1 | 4 | 19.165 | 21.589 | 21.589 | 0.0 | -2.423 | -0.663 |
| 11 | 1 | 4 | 72.601 | 73.593 | -73.593 | 0.0 | -0.992 | -0.678 |
| 10 | 1 | 4 | 98.093 | 55.845 | 55.845 | 0.0 | 2.247 | 1.297 |
| 9 | 1 | 4 | 34.820 | 33.255 | 33.255 | 0.0 | 1.525 | 1.011 |
| 8 | 1 | 4 | 10.981 | 14.727 | 14.727 | 0.0 | -3.746 | -0.971 |
| 7 | 1 | 4 | 41.165 | 39.576 | -39.576 | 0.0 | 1.189 | 0.354 |
| 6 | 1 | 4 | 62.156 | 66.814 | -66.814 | 0.0 | 1.382 | 1.008 |
| 5 | 1 | 4 | 42.646 | 42.245 | 42.245 | 0.0 | 0.401 | 0.271 |
| 4 | 1 | 4 | 11.553 | 4.603 | 4.603 | 0.0 | 6.950 | 1.911 |
| 0 | 6 | 0 | 352.941 | 372.256 | 372.256 | 0.0 | -19.355 | -3.069 * |
| 3 | 1 | 4 | 8.851 | 14.450 | 14.450 | 0.0 | -5.599 | -1.205 |
| 2 | 1 | 4 | 65.646 | 62.836 | 62.836 | 0.0 | 2.810 | 2.048 |
| 1 | 1 | 4 | 77.292 | 80.807 | 80.807 | 0.0 | -3.515 | -2.374 |
| 0 | 2 | 4 | 68.853 | 73.591 | -73.591 | 0.0 | -3.738 | -2.636 |
| 1 | 2 | 4 | 38.116 | 40.478 | 40.478 | 0.0 | -2.362 | -1.535 |
| 2 | 2 | 4 | 12.751 | 8.058 | -8.058 | 0.0 | 4.653 | 1.397 |
| 4 | 2 | 4 | 41.927 | 42.289 | 42.289 | 0.0 | -0.362 | -0.242 |
| 5 | 2 | 4 | 55.026 | 57.845 | 57.845 | 0.0 | -2.819 | -1.976 |
| 6 | 2 | 4 | 12.839 | 3.855 | -3.855 | 0.0 | 8.984 | 2.639 |
| 7 | 2 | 4 | 26.945 | 27.455 | 27.455 | 0.0 | -0.510 | -0.279 |
| 8 | 2 | 4 | 54.712 | 53.225 | -53.225 | 0.0 | 0.787 | 0.588 |
| 9 | 2 | 4 | 13.248 | 11.887 | 11.887 | 0.0 | 1.360 | 0.423 |
| 10 | 2 | 4 | 7.930 | 10.735 | -10.735 | 0.0 | -2.804 | -0.573 |
| 11 | 2 | 4 | 5.569 | 2.221 | 2.221 | 0.0 | 7.448 | 1.783 |
| 12 | 2 | 4 | 40.828 | 39.468 | 39.468 | 0.0 | 1.359 | 0.859 |
| 13 | 2 | 4 | 13.613 | 14.425 | -14.425 | 0.0 | -0.812 | -0.235 |
| 14 | 2 | 4 | 18.555 | 18.759 | 18.759 | 0.0 | -0.105 | -0.037 |
| 15 | 2 | 4 | 19.575 | 17.243 | 17.243 | 0.0 | 2.332 | 0.901 |
| 16 | 2 | 4 | 18.377 | 21.799 | -21.799 | 0.0 | -3.423 | -1.074 |
| 0 | 6 | 0 | 352.962 | 372.256 | 372.256 | 0.0 | -19.394 | -3.075 * |
| 17 | 2 | 4 | 11.665 | 0.959 | -0.959 | 0.0 | 10.725 | 2.770 * |
| 19 | 2 | 4 | 5.039 | 4.008 | 4.008 | 0.0 | 1.030 | 0.140 |
| 20 | 2 | 4 | 34.703 | 34.411 | 34.411 | 0.0 | 0.292 | 0.141 |
| 21 | 2 | 4 | 1.081 | 7.568 | -7.568 | 0.0 | -6.487 | -0.606 |
| 22 | 2 | 4 | 16.740 | 13.040 | 13.040 | 0.0 | 3.700 | 1.013 |

| M | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA | 46 |
|----|---|---|---------|---------|----------|---------|---------|-------------|----|
| 23 | 2 | 4 | 15.834 | 7.123 | 7.123 | 0.0 | 8.711 | 2.347 | |
| 21 | 3 | 4 | 12.853 | 7.541 | -7.941 | 0.0 | 4.912 | 1.167 | |
| 20 | 3 | 4 | 12.498 | 2.212 | -2.212 | 0.0 | 10.276 | 2.388 | * |
| 19 | 3 | 4 | 9.581 | 7.698 | -7.698 | 0.0 | 1.883 | 0.369 | |
| 17 | 3 | 4 | 7.536 | 4.977 | -4.977 | 0.0 | 2.559 | 0.437 | |
| 15 | 3 | 4 | 21.227 | 18.396 | -18.396 | 0.0 | 2.831 | 1.153 | |
| 14 | 3 | 4 | 13.813 | 5.073 | -5.073 | 0.0 | 8.744 | 2.784 | |
| 12 | 3 | 4 | 5.192 | 3.274 | -3.274 | 0.0 | 1.925 | 0.317 | |
| 11 | 3 | 4 | 8.821 | 3.529 | -3.529 | 0.0 | 4.892 | 1.060 | |
| 0 | 6 | 0 | 352.731 | 372.296 | 372.296 | 0.0 | -19.565 | -2.103 | * |
| 9 | 3 | 4 | 15.722 | 17.384 | -17.384 | 0.0 | 2.338 | 1.025 | |
| 7 | 3 | 4 | 20.862 | 23.488 | -23.488 | 0.0 | -2.627 | -1.174 | |
| 6 | 3 | 4 | 4.148 | 4.103 | -4.103 | 0.0 | 0.044 | 0.007 | |
| 5 | 3 | 4 | 15.870 | 13.336 | -13.336 | 0.0 | 2.542 | 0.457 | |
| 3 | 3 | 4 | 6.660 | 2.677 | -2.677 | 0.0 | 3.683 | 0.565 | |
| 2 | 3 | 4 | 16.224 | 5.543 | -5.543 | 0.0 | 4.281 | 1.029 | |
| 1 | 3 | 4 | 16.764 | 17.351 | -17.351 | 0.0 | -0.567 | -0.206 | |
| 0 | 4 | 4 | 40.505 | 43.676 | -43.676 | 0.0 | -3.471 | -2.277 | |
| 3 | 4 | 4 | 3.257 | 12.592 | -12.592 | 0.0 | -6.726 | -1.303 | |
| 4 | 4 | 4 | 6.353 | 7.035 | -7.035 | 0.0 | -0.582 | -0.129 | |
| 5 | 4 | 4 | 39.655 | 39.726 | -39.726 | 0.0 | -0.071 | -0.051 | |
| 7 | 4 | 4 | 13.354 | 7.596 | -7.596 | 0.0 | 5.398 | 1.765 | |
| 9 | 4 | 4 | 30.125 | 34.743 | -34.743 | 0.0 | -4.607 | -2.367 | |
| 10 | 4 | 4 | 10.414 | 5.712 | -5.712 | 0.0 | 4.701 | 1.166 | |
| 0 | 6 | 0 | 354.027 | 372.256 | 372.256 | 0.0 | -18.269 | -2.384 | * |
| 11 | 4 | 4 | 3.242 | 11.781 | -11.781 | 0.0 | -8.539 | -1.105 | |
| 12 | 4 | 4 | 19.692 | 14.101 | -14.101 | 0.0 | 5.591 | 2.161 | |
| 13 | 4 | 4 | 17.588 | 17.648 | -17.648 | 0.0 | -0.061 | -0.021 | |
| 14 | 4 | 4 | 17.339 | 14.511 | -14.511 | 0.0 | 2.829 | 0.968 | |
| 15 | 4 | 4 | 35.522 | 36.325 | -36.325 | 0.0 | -0.743 | -0.419 | |
| 17 | 4 | 4 | 5.900 | 12.335 | -12.335 | 0.0 | -4.434 | -0.910 | |
| 19 | 4 | 4 | 21.125 | 21.669 | -21.669 | 0.0 | -0.485 | -0.154 | |
| 20 | 4 | 4 | 4.892 | 7.373 | -7.373 | 0.0 | -2.780 | -0.312 | |
| 21 | 4 | 4 | 26.653 | 27.733 | -27.733 | 0.0 | -1.130 | -0.432 | |
| 22 | 4 | 4 | 14.450 | 9.128 | -9.128 | 0.0 | 5.362 | 1.417 | |
| 21 | 5 | 4 | 25.512 | 28.681 | -28.681 | 0.0 | -3.169 | -1.117 | |
| 20 | 5 | 4 | 14.986 | 1.687 | -1.687 | 0.0 | 13.100 | 3.500 | * |
| 19 | 5 | 4 | 27.735 | 28.478 | -28.478 | 0.0 | -0.743 | -0.287 | |
| 18 | 5 | 4 | 53.556 | 54.536 | -54.536 | 0.0 | -1.380 | -0.763 | |
| 17 | 5 | 4 | 4.892 | 8.308 | -8.308 | 0.0 | -3.416 | -0.427 | |
| 15 | 5 | 4 | 32.301 | 32.271 | -32.271 | 0.0 | 0.031 | 0.016 | |
| 14 | 5 | 4 | 46.325 | 47.342 | -47.342 | 0.0 | 0.983 | 0.626 | |
| 0 | 6 | 0 | 353.951 | 372.296 | 372.296 | 0.0 | -18.345 | -2.896 | * |
| 13 | 5 | 4 | 38.101 | 37.839 | -37.839 | 0.0 | 0.263 | 0.156 | |
| 12 | 5 | 4 | 20.354 | 23.920 | -23.920 | 0.0 | -3.526 | -1.237 | |
| 11 | 5 | 4 | 67.357 | 66.995 | -66.995 | 0.0 | 0.362 | 0.236 | |
| 10 | 5 | 4 | 119.121 | 117.875 | -117.875 | 0.0 | 1.246 | 0.612 | |
| 9 | 5 | 4 | 35.556 | 34.744 | -34.744 | 0.0 | 0.852 | 0.526 | |
| 6 | 5 | 4 | 80.033 | 81.089 | -81.089 | 0.0 | -1.056 | -0.678 | |
| 5 | 5 | 4 | 3.223 | 3.633 | -3.633 | 0.0 | -0.408 | -0.055 | |
| 4 | 5 | 4 | 10.983 | 6.501 | -6.501 | 0.0 | 4.482 | 1.189 | |
| 3 | 5 | 4 | 29.462 | 30.578 | -30.578 | 0.0 | -1.116 | -0.646 | |
| 2 | 5 | 4 | 100.703 | 103.377 | -103.377 | 0.0 | -2.669 | -1.535 | |

| H | K | L | F(CALS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 1 | 5 | 4 | 44.039 | 46.616 | -46.616 | 0.0 | -2.576 | -1.739 |
| 0 | 6 | 4 | 70.754 | 71.879 | -71.879 | 0.0 | -1.116 | -0.778 |
| 1 | 6 | 4 | 39.127 | 38.266 | -38.266 | 0.0 | 0.561 | 0.365 |
| 2 | 6 | 4 | 16.656 | 18.501 | 18.501 | 0.0 | -2.235 | -0.736 |
| 3 | 6 | 4 | 45.081 | 46.507 | 46.507 | 0.0 | -1.928 | -1.174 |
| 4 | 6 | 4 | 131.615 | 134.229 | 134.229 | 0.0 | -2.614 | -1.194 |
| 5 | 6 | 4 | 35.289 | 35.359 | -35.359 | 0.0 | -0.111 | -0.065 |
| 6 | 6 | 4 | 3.417 | 8.832 | 8.832 | 0.0 | -5.465 | -0.706 |
| 0 | 6 | 0 | 354.256 | 372.296 | 372.296 | 0.0 | -18.040 | -2.847 |
| 7 | 6 | 4 | 20.979 | 15.444 | -19.444 | 0.0 | 1.935 | 0.625 |
| 8 | 6 | 4 | 103.356 | 103.489 | -103.489 | 0.0 | -0.133 | -0.073 |
| 9 | 6 | 4 | 26.814 | 23.570 | -23.570 | 0.0 | 2.844 | 1.409 |
| 10 | 6 | 4 | 11.524 | 12.614 | -12.614 | 0.0 | -1.090 | -0.263 |
| 11 | 6 | 4 | 32.155 | 33.125 | -33.125 | 0.0 | -0.970 | -0.455 |
| 12 | 6 | 4 | 82.305 | 79.307 | 79.307 | 0.0 | 2.698 | 1.669 |
| 13 | 6 | 4 | 45.551 | 46.501 | -46.501 | 0.0 | -0.910 | -0.526 |
| 15 | 6 | 4 | 20.292 | 15.644 | -19.844 | 0.0 | 0.448 | 0.150 |
| 16 | 5 | 4 | 79.366 | 78.873 | -78.873 | 0.0 | 0.493 | 0.284 |
| 17 | 6 | 4 | 17.503 | 18.959 | 18.959 | 0.0 | -1.459 | -0.409 |
| 18 | 6 | 4 | 19.167 | 18.385 | -18.385 | 0.0 | 1.322 | 0.419 |
| 19 | 6 | 4 | 13.891 | 9.942 | -9.942 | 0.0 | 3.945 | 0.910 |
| 20 | 6 | 4 | 37.706 | 38.564 | 38.564 | 0.0 | -0.859 | -0.381 |
| 18 | 7 | 4 | 13.219 | 0.258 | 0.258 | 0.0 | 12.961 | 3.108 |
| 17 | 7 | 4 | 12.620 | 5.259 | 5.259 | 0.0 | 7.361 | 1.615 |
| 16 | 7 | 4 | 8.018 | 12.954 | 12.954 | 0.0 | -4.976 | -0.790 |
| 15 | 7 | 4 | 35.904 | 37.082 | -37.082 | 0.0 | -1.179 | -0.551 |
| 14 | 7 | 4 | 22.093 | 20.596 | 20.596 | 0.0 | 1.494 | 0.568 |
| 13 | 7 | 4 | 5.564 | 9.859 | 9.859 | 0.0 | -4.295 | -0.613 |
| 0 | 6 | 0 | 352.959 | 372.296 | 372.296 | 0.0 | -15.337 | -3.066 |
| 12 | 7 | 4 | 2.659 | 10.019 | 10.019 | 0.0 | -7.361 | -0.324 |
| 11 | 7 | 4 | 40.051 | 41.002 | -41.002 | 0.0 | -0.951 | -0.532 |
| 10 | 7 | 4 | 22.587 | 20.575 | 20.575 | 0.0 | 1.612 | 0.623 |
| 9 | 7 | 4 | 24.429 | 27.231 | 27.231 | 0.0 | -2.801 | -1.107 |
| 8 | 7 | 4 | 5.873 | 13.589 | 13.589 | 0.0 | -3.716 | -0.778 |
| 7 | 7 | 4 | 7.872 | 1.084 | 1.084 | 0.0 | 6.788 | 1.277 |
| 5 | 7 | 4 | 14.402 | 13.957 | 13.957 | 0.0 | 0.445 | 0.135 |
| 3 | 7 | 4 | 21.807 | 19.297 | 19.297 | 0.0 | 2.310 | 1.026 |
| 2 | 7 | 4 | 12.722 | 3.531 | -3.531 | 0.0 | 9.171 | 2.683 |
| 1 | 7 | 4 | 26.521 | 26.827 | -26.827 | 0.0 | -0.306 | -0.141 |
| 0 | 8 | 4 | 55.659 | 56.016 | -56.016 | 0.0 | -0.358 | -0.225 |
| 2 | 8 | 4 | 6.368 | 3.152 | -3.152 | 0.0 | 3.216 | 0.546 |
| 3 | 8 | 4 | 4.294 | 12.238 | 12.238 | 0.0 | -7.944 | -1.052 |
| 4 | 8 | 4 | 38.336 | 38.234 | 38.234 | 0.0 | 0.102 | 0.058 |
| 5 | 8 | 4 | 18.326 | 29.882 | 29.882 | 0.0 | -2.856 | -0.909 |
| 7 | 8 | 4 | 5.681 | 0.550 | -0.550 | 0.0 | 4.731 | 0.738 |
| 0 | 8 | 0 | 352.158 | 372.296 | 372.296 | 0.0 | -20.398 | -3.190 |
| 8 | 8 | 4 | 44.773 | 44.581 | -44.581 | 0.0 | -0.208 | -0.119 |
| 9 | 8 | 4 | 25.457 | 26.489 | 26.489 | 0.0 | -0.992 | -0.364 |
| 12 | 8 | 4 | 40.329 | 38.375 | 38.375 | 0.0 | 1.954 | 1.010 |
| 14 | 8 | 4 | 15.235 | 10.218 | 10.218 | 0.0 | 5.016 | 1.305 |
| 15 | 8 | 4 | 9.566 | 11.113 | 11.113 | 0.0 | -1.547 | -0.273 |
| 16 | 8 | 4 | 24.824 | 24.065 | -24.065 | 0.0 | 0.759 | 0.263 |
| 17 | 8 | 4 | 6.543 | 8.830 | -8.830 | 0.0 | -2.287 | -0.324 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 14 | 9 | 4 | 8.033 | 5.184 | -5.184 | 0.0 | 2.849 | 0.442 |
| 11 | 9 | 4 | 8.602 | 2.447 | -2.447 | 0.0 | 5.955 | 1.312 |
| 10 | 9 | 4 | 6.704 | 8.659 | 8.069 | 0.0 | -1.365 | -0.197 |
| 9 | 9 | 4 | 13.496 | 21.361 | 21.361 | 0.0 | -7.865 | -1.656 |
| 8 | 9 | 4 | 9.712 | 2.864 | 2.864 | 0.0 | 6.849 | 1.363 |
| 0 | 6 | 0 | 352.350 | 372.256 | 372.256 | 0.0 | -19.946 | -3.165 * |
| 5 | 9 | 4 | 6.543 | 10.821 | 10.821 | 0.0 | -4.278 | -0.644 |
| 4 | 9 | 4 | 9.929 | 3.153 | 3.153 | 0.0 | 6.675 | 1.385 |
| 3 | 9 | 4 | 12.413 | 15.494 | -15.494 | 0.0 | -3.021 | -0.687 |
| 1 | 0 | 4 | 9.859 | 0.416 | -0.416 | 0.0 | 9.243 | 1.977 |
| 0 | 10 | 4 | 10.487 | 2.225 | -2.225 | 0.0 | 8.192 | 1.795 |
| 1 | 10 | 4 | 15.266 | 15.598 | 15.598 | 0.0 | 0.108 | 0.027 |
| 3 | 10 | 4 | 23.771 | 23.260 | -23.260 | 0.0 | 0.512 | 0.181 |
| 4 | 10 | 4 | 26.567 | 26.920 | -26.920 | 0.0 | 0.042 | 0.015 |
| 5 | 10 | 4 | 20.057 | 17.834 | 17.834 | 0.0 | 2.253 | 0.748 |
| 8 | 10 | 4 | 18.198 | 20.144 | 20.144 | 0.0 | -1.255 | -0.353 |
| 9 | 10 | 4 | 17.251 | 9.647 | 9.647 | 0.0 | 7.794 | 2.360 |
| 10 | 10 | 4 | 12.429 | 2.865 | 2.865 | 0.0 | 9.754 | 2.224 |
| 11 | 10 | 4 | 11.714 | 9.112 | 9.112 | 0.0 | 2.602 | 0.540 |
| 12 | 10 | 4 | 13.863 | 9.752 | -9.752 | 0.0 | 4.051 | 0.949 |
| 7 | 11 | 4 | 15.849 | 11.741 | 11.741 | 0.0 | 4.103 | 1.061 |
| 6 | 11 | 4 | 42.123 | 43.695 | 43.695 | 0.0 | -1.562 | -0.783 |
| 0 | 6 | 0 | 351.665 | 372.256 | 372.256 | 0.0 | -20.631 | -3.297 * |
| 5 | 11 | 4 | 10.940 | 12.181 | -12.181 | 0.0 | -1.242 | -0.233 |
| 4 | 11 | 4 | 13.189 | 6.481 | -6.481 | 0.0 | 6.308 | 1.536 |
| 3 | 11 | 4 | 5.969 | 5.695 | -5.695 | 0.0 | 3.273 | 0.572 |
| 2 | 11 | 4 | 57.743 | 57.261 | -57.261 | 0.0 | 0.502 | 0.273 |
| 1 | 11 | 4 | 23.026 | 24.046 | -24.046 | 0.0 | -1.021 | -0.323 |
| 0 | 10 | 5 | 19.356 | 18.039 | -18.039 | 0.0 | 1.313 | 0.366 |
| 2 | 10 | 5 | 28.262 | 27.892 | 27.892 | 0.0 | 0.370 | 0.145 |
| 3 | 10 | 5 | 10.370 | 6.237 | -6.237 | 0.0 | 4.133 | 0.913 |
| 4 | 10 | 5 | 8.953 | 8.234 | 8.234 | 0.0 | 0.719 | 0.128 |
| 5 | 10 | 5 | 17.811 | 16.726 | -16.726 | 0.0 | 0.935 | 0.252 |
| 10 | 9 | 5 | 42.339 | 42.911 | 42.911 | 0.0 | -0.573 | -0.277 |
| 9 | 9 | 5 | 39.318 | 41.697 | 41.697 | 0.0 | -2.379 | -1.054 |
| 8 | 9 | 5 | 37.999 | 34.784 | -34.784 | 0.0 | 3.215 | 1.714 |
| 7 | 9 | 5 | 25.892 | 30.036 | 30.036 | 0.0 | -4.144 | -1.343 |
| 6 | 9 | 5 | 25.877 | 28.935 | -28.935 | 0.0 | -3.053 | -1.354 |
| 5 | 9 | 5 | 45.477 | 42.624 | -42.624 | 0.0 | 2.854 | 1.620 |
| 3 | 9 | 5 | 52.389 | 51.220 | -51.220 | 0.0 | 1.160 | 0.680 |
| 0 | 6 | 0 | 351.437 | 372.256 | 372.256 | 0.0 | -20.857 | -3.324 * |
| 2 | 9 | 5 | 30.062 | 27.965 | 27.965 | 0.0 | 2.096 | 0.936 |
| 1 | 9 | 5 | 12.181 | 3.182 | -3.182 | 0.0 | 9.300 | 2.000 |
| 0 | 8 | 5 | 13.564 | 20.932 | -20.932 | 0.0 | -7.348 | -1.567 |
| 1 | 8 | 5 | 31.979 | 34.799 | 34.799 | 0.0 | -2.820 | -1.160 |
| 2 | 8 | 5 | 52.614 | 45.687 | -45.687 | 0.0 | 2.787 | 1.323 |
| 3 | 8 | 5 | 43.394 | 44.325 | 44.325 | 0.0 | -0.931 | -0.524 |
| 4 | 8 | 5 | 52.189 | 53.039 | 53.039 | 0.0 | -0.850 | -0.490 |
| 5 | 8 | 5 | 32.023 | 30.829 | -30.829 | 0.0 | 1.194 | 0.520 |
| 7 | 8 | 5 | 12.760 | 14.728 | -14.728 | 0.0 | -1.948 | -0.415 |
| 8 | 8 | 5 | 35.918 | 35.224 | -35.224 | 0.0 | 0.695 | 0.314 |
| 9 | 8 | 5 | 56.056 | 57.466 | 57.466 | 0.0 | -1.410 | -0.779 |
| 11 | 8 | 5 | 62.770 | 61.533 | 61.533 | 0.0 | 1.238 | 0.750 |

| H | K | L | F(CBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 12 | 8 | 5 | 37.022 | 36.893 | 36.893 | 0.0 | 0.139 | 0.067 |
| 13 | 8 | 5 | 14.567 | 9.568 | -9.568 | 0.0 | 5.039 | 1.326 |
| 15 | 7 | 5 | 14.524 | 14.402 | -14.402 | 0.0 | 0.132 | 0.030 |
| 14 | 7 | 5 | 11.756 | 8.669 | -8.669 | 0.0 | 2.988 | 0.618 |
| 13 | 7 | 5 | 6.163 | 2.560 | -2.560 | 0.0 | 3.203 | 0.453 |
| 12 | 7 | 5 | 21.768 | 20.183 | 20.183 | 0.0 | 1.585 | 0.545 |
| 0 | 6 | 0 | 251.989 | 372.296 | 372.296 | 0.0 | -20.308 | -3.224 * |
| 11 | 7 | 5 | 1.271 | 2.561 | -2.561 | 0.0 | -1.290 | -0.129 |
| 10 | 7 | 5 | 9.391 | 11.156 | -11.156 | 0.0 | -1.765 | -0.311 |
| 8 | 7 | 5 | 21.257 | 23.642 | 23.642 | 0.0 | -2.585 | -0.787 |
| 7 | 7 | 5 | 11.036 | 1.391 | -1.391 | 0.0 | 9.695 | 1.959 |
| 5 | 7 | 5 | 11.518 | 13.307 | 13.307 | 0.0 | -1.388 | -0.305 |
| 4 | 7 | 5 | 23.947 | 23.628 | 23.628 | 0.0 | 0.319 | 0.130 |
| 3 | 7 | 5 | 30.555 | 31.016 | 31.016 | 0.0 | -0.062 | -0.031 |
| 2 | 7 | 5 | 3.958 | 2.538 | -2.538 | 0.0 | 1.020 | 0.135 |
| 0 | 6 | 5 | 6.061 | 2.877 | -2.877 | 0.0 | 3.184 | 0.503 |
| 1 | 6 | 5 | 15.372 | 12.720 | -12.720 | 0.0 | 4.151 | 1.399 |
| 2 | 6 | 5 | 16.448 | 15.787 | 15.787 | 0.0 | 0.681 | 0.222 |
| 3 | 6 | 5 | 19.239 | 18.183 | -18.183 | 0.0 | 1.056 | 0.374 |
| 4 | 6 | 5 | 11.743 | 2.433 | -2.433 | 0.0 | 5.310 | 2.442 |
| 5 | 6 | 5 | 8.909 | 6.764 | -6.764 | 0.0 | 2.145 | 0.434 |
| 6 | 6 | 5 | 11.816 | 0.347 | 0.347 | 0.0 | 11.469 | 2.865 * |
| 7 | 6 | 5 | 5.462 | 5.457 | -5.457 | 0.0 | 0.305 | 0.001 |
| 8 | 6 | 5 | 12.225 | 9.591 | -9.591 | 0.0 | 2.634 | 0.628 |
| 0 | 6 | 0 | 352.750 | 372.296 | 372.296 | 0.0 | -19.546 | -3.100 * |
| 9 | 6 | 5 | 14.515 | 2.319 | -2.319 | 0.0 | 12.200 | 3.538 * |
| 10 | 6 | 5 | 3.943 | 12.212 | -12.012 | 0.0 | -9.068 | -0.999 * |
| 14 | 6 | 5 | 16.725 | 3.488 | 3.488 | 0.0 | 13.237 | 3.973 * |
| 15 | 6 | 5 | 17.295 | 9.016 | 9.016 | 0.0 | 8.279 | 2.552 |
| 16 | 6 | 5 | 7.974 | 4.759 | 4.759 | 0.0 | 3.215 | 0.525 |
| 17 | 6 | 5 | 2.789 | 6.217 | -6.217 | 0.0 | -3.429 | -0.343 |
| 18 | 5 | 5 | 15.147 | 12.537 | 12.937 | 0.0 | 2.211 | 0.548 |
| 17 | 5 | 5 | 11.173 | 2.314 | -2.314 | 0.0 | 8.859 | 1.855 |
| 16 | 5 | 5 | 10.993 | 5.347 | 5.347 | 0.0 | 5.636 | 1.148 |
| 14 | 5 | 5 | 18.713 | 18.522 | -18.922 | 0.0 | -3.209 | -0.060 |
| 13 | 5 | 5 | 19.581 | 19.458 | -19.458 | 0.0 | -0.876 | -0.269 |
| 12 | 5 | 5 | 26.199 | 27.365 | 27.865 | 0.0 | -1.666 | -0.643 |
| 11 | 5 | 5 | 13.423 | 15.650 | -15.850 | 0.0 | -2.427 | -0.569 |
| 10 | 5 | 5 | 27.223 | 26.611 | 26.611 | 0.0 | 0.412 | 0.189 |
| 9 | 5 | 5 | 29.555 | 30.805 | 30.805 | 0.0 | -2.250 | -0.949 |
| 0 | 6 | 0 | 351.722 | 372.296 | 372.296 | 0.0 | -20.574 | -3.278 * |
| 7 | 5 | 5 | 44.083 | 41.457 | 41.457 | 0.0 | 2.627 | 1.658 |
| 6 | 5 | 5 | 42.147 | 42.872 | -42.872 | 0.0 | -0.725 | -0.458 |
| 5 | 5 | 5 | 11.383 | 17.385 | -17.385 | 0.0 | -6.022 | -1.321 |
| 2 | 4 | 5 | 18.961 | 24.857 | 24.857 | 0.0 | -5.866 | -1.799 |
| 1 | 5 | 5 | 17.062 | 18.748 | 18.748 | 0.0 | -1.686 | -0.532 |
| 0 | 4 | 5 | 17.383 | 14.601 | -14.801 | 0.0 | 2.582 | 0.930 |
| 1 | 4 | 5 | 9.873 | 11.436 | -11.436 | 0.0 | -1.563 | -0.347 |
| 2 | 4 | 5 | 46.652 | 43.537 | 43.537 | 0.0 | 3.114 | 2.257 |
| 3 | 4 | 5 | 22.689 | 26.014 | -26.014 | 0.0 | -3.324 | -1.299 |
| 4 | 4 | 5 | 20.540 | 21.939 | -21.939 | 0.0 | -1.399 | -0.541 |
| 5 | 4 | 5 | 8.208 | 12.704 | 12.704 | 0.0 | -4.497 | -0.861 |
| 6 | 4 | 5 | 23.594 | 21.274 | 21.274 | 0.0 | 2.220 | 0.955 |

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| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA | 50 |
|----|---|---|---------|---------|----------|---------|---------|-------------|----|
| 8 | 4 | 5 | 5.929 | 3.395 | 3.385 | 0.0 | 2.544 | 0.419 | |
| 9 | 4 | 5 | 37.003 | 35.793 | -35.793 | 0.0 | 0.210 | 0.120 | |
| 11 | 4 | 5 | 39.860 | 40.169 | -40.169 | 0.0 | -1.309 | -0.550 | |
| 0 | 6 | 0 | 352.350 | 372.296 | 372.296 | 0.0 | -19.946 | -3.165 | * |
| 13 | 4 | 5 | 22.572 | 17.721 | -17.721 | 0.0 | 4.852 | 1.323 | |
| 14 | 4 | 5 | 15.176 | 3.763 | -3.763 | 0.0 | 11.414 | 3.241 | * |
| 15 | 4 | 5 | 13.325 | 3.176 | -8.176 | 0.0 | 5.188 | 1.259 | |
| 16 | 4 | 5 | 16.125 | 8.156 | 8.156 | 0.0 | -7.989 | -2.289 | |
| 17 | 4 | 5 | 22.076 | 25.183 | -25.183 | 0.0 | -1.207 | -0.413 | |
| 18 | 4 | 5 | 26.891 | 25.532 | -25.932 | 0.0 | 2.959 | 1.313 | |
| 20 | 3 | 5 | 18.450 | 23.583 | 23.583 | 0.0 | -5.533 | -1.397 | |
| 19 | 3 | 5 | 14.256 | 14.173 | -14.173 | 0.0 | 0.083 | 0.019 | |
| 18 | 3 | 5 | 46.916 | 46.235 | 46.235 | 0.0 | 0.681 | 0.377 | |
| 17 | 3 | 5 | 60.339 | 61.353 | 61.353 | 0.0 | -1.014 | -0.564 | |
| 16 | 3 | 5 | 42.734 | 44.670 | -44.670 | 0.0 | -1.936 | -1.000 | |
| 15 | 3 | 5 | 46.857 | 47.855 | 47.855 | 0.0 | -0.998 | -0.548 | |
| 14 | 3 | 5 | 32.345 | 30.832 | -30.832 | 0.0 | 1.514 | 0.718 | |
| 13 | 3 | 5 | 43.101 | 39.692 | -39.692 | 0.0 | 3.409 | 2.002 | |
| 12 | 3 | 5 | 56.483 | 58.408 | -58.408 | 0.0 | -1.925 | -1.168 | |
| 11 | 3 | 5 | 60.649 | 60.191 | -60.191 | 0.0 | 0.458 | 0.311 | |
| 10 | 3 | 5 | 95.645 | 95.744 | 95.744 | 0.0 | -0.099 | -0.056 | |
| 9 | 3 | 5 | 78.659 | 80.443 | 80.443 | 0.0 | -1.744 | -1.070 | |
| 8 | 3 | 5 | 53.747 | 54.233 | -54.233 | 0.0 | -0.486 | -0.304 | |
| 0 | 6 | 0 | 352.150 | 372.296 | 372.296 | 0.0 | -20.098 | -3.190 | * |
| 7 | 3 | 5 | 63.773 | 63.457 | 63.457 | 0.0 | 0.276 | 0.183 | |
| 6 | 3 | 5 | 67.646 | 69.113 | -69.113 | 0.0 | 0.533 | 0.354 | |
| 5 | 3 | 5 | 85.087 | 84.916 | -84.916 | 0.0 | 1.171 | 0.723 | |
| 4 | 3 | 5 | 15.133 | 11.219 | 11.219 | 0.0 | 3.917 | 1.269 | |
| 3 | 3 | 5 | 104.973 | 104.299 | -104.299 | 0.0 | 0.674 | 0.366 | |
| 2 | 3 | 5 | 73.089 | 75.168 | 75.168 | 0.0 | -2.079 | -1.420 | |
| 1 | 3 | 5 | 22.660 | 22.865 | 22.865 | 0.0 | -0.205 | -0.089 | |
| 0 | 2 | 5 | 17.120 | 12.610 | -12.610 | 0.0 | 4.510 | 1.677 | |
| 1 | 2 | 5 | 35.596 | 37.431 | -37.431 | 0.0 | -1.835 | -1.119 | |
| 2 | 2 | 5 | 59.883 | 58.566 | -58.566 | 0.0 | 0.917 | 0.648 | |
| 3 | 2 | 5 | 50.779 | 51.225 | 51.225 | 0.0 | -0.447 | -0.307 | |
| 4 | 2 | 5 | 62.422 | 63.233 | 63.233 | 0.0 | -0.811 | -0.549 | |
| 5 | 2 | 5 | 43.834 | 44.702 | -44.702 | 0.0 | -0.868 | -0.553 | |
| 6 | 2 | 5 | 17.310 | 18.334 | -18.334 | 0.0 | -1.024 | -0.349 | |
| 7 | 2 | 5 | 16.126 | 21.345 | -21.345 | 0.0 | -5.219 | -1.546 | |
| 8 | 2 | 5 | 27.603 | 37.597 | -37.597 | 0.0 | -0.394 | -0.232 | |
| 9 | 2 | 5 | 72.094 | 70.855 | 70.855 | 0.0 | 1.143 | 0.737 | |
| 11 | 2 | 5 | 77.455 | 76.913 | -76.913 | 0.0 | 0.542 | 0.339 | |
| 12 | 2 | 5 | 34.673 | 36.880 | 36.880 | 0.0 | -2.237 | -1.150 | |
| 0 | 6 | 0 | 352.763 | 372.256 | 372.256 | 0.0 | -18.593 | -2.936 | * |
| 13 | 2 | 5 | 6.820 | 2.500 | 2.500 | 0.0 | 4.320 | 0.732 | |
| 14 | 2 | 5 | 16.272 | 11.619 | 11.619 | 0.0 | 4.654 | 1.474 | |
| 15 | 2 | 5 | 16.024 | 13.619 | -13.619 | 0.0 | 2.405 | 0.683 | |
| 16 | 2 | 5 | 31.222 | 28.737 | -28.737 | 0.0 | 2.525 | 1.190 | |
| 17 | 2 | 5 | 36.211 | 36.569 | 36.569 | 0.0 | -0.358 | -0.170 | |
| 18 | 2 | 5 | 17.621 | 18.519 | 18.519 | 0.0 | -0.698 | -0.186 | |
| 19 | 2 | 5 | 18.114 | 15.339 | 15.339 | 0.0 | 2.774 | 0.660 | |
| 20 | 2 | 5 | 15.060 | 10.082 | 10.082 | 0.0 | 4.977 | 1.243 | |
| 21 | 1 | 5 | 20.964 | 14.768 | -14.768 | 0.0 | 6.196 | 2.208 | |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 19 | 1 | 5 | 7.945 | 9.251 | -9.251 | 0.0 | -1.306 | -0.205 |
| 18 | 1 | 5 | 4.732 | 2.619 | 2.619 | 0.0 | 2.112 | 0.278 |
| 17 | 1 | 5 | 14.475 | 12.632 | -12.632 | 0.0 | 1.843 | 0.465 |
| 16 | 1 | 5 | 11.042 | 5.142 | 5.142 | 0.0 | 5.900 | 1.224 |
| 15 | 1 | 5 | 15.235 | 12.127 | -12.127 | 0.0 | 3.108 | 0.851 |
| 14 | 1 | 5 | 22.207 | 19.754 | -19.754 | 0.0 | 2.453 | 1.017 |
| 13 | 1 | 5 | 17.936 | 15.939 | -15.939 | 0.0 | 1.997 | 0.518 |
| 12 | 1 | 5 | 39.963 | 37.261 | -37.261 | 0.0 | 2.702 | 1.631 |
| 11 | 1 | 5 | 6.777 | 11.574 | -11.574 | 0.0 | -4.797 | -0.303 |
| 10 | 1 | 5 | 18.947 | 13.372 | 13.372 | 0.0 | 5.575 | 2.359 |
| 9 | 0 | 6 | 352.555 | 372.296 | 372.296 | 0.0 | -15.337 | -2.066 |
| 9 | 1 | 5 | 8.690 | 13.685 | 13.685 | 0.0 | -5.195 | -1.022 |
| 8 | 1 | 5 | 21.125 | 18.377 | 18.377 | 0.0 | 2.748 | 1.190 |
| 7 | 1 | 5 | 30.691 | 30.775 | 30.775 | 0.0 | -0.084 | -0.046 |
| 6 | 1 | 5 | 41.165 | 41.220 | -41.220 | 0.0 | -0.055 | -0.043 |
| 4 | 1 | 5 | 17.325 | 16.738 | 16.738 | 0.0 | 0.587 | 0.214 |
| 2 | 1 | 5 | 18.129 | 16.521 | 16.521 | 0.0 | 1.607 | 0.607 |
| 1 | 1 | 5 | 14.022 | 14.167 | -14.167 | 0.0 | -0.145 | -0.014 |
| 0 | 0 | 6 | 55.026 | 53.261 | -53.261 | 0.0 | 1.765 | 1.200 |
| 1 | 0 | 6 | 122.323 | 120.478 | -120.478 | 0.0 | 1.845 | 0.878 |
| 2 | 0 | 6 | 54.470 | 4.437 | 4.437 | 0.0 | 2.033 | 0.336 |
| 3 | 0 | 6 | 57.557 | 54.496 | -54.496 | 0.0 | 3.059 | 2.058 |
| 4 | 0 | 6 | 2.118 | 5.534 | -5.534 | 0.0 | -3.416 | -0.430 |
| 5 | 0 | 6 | 60.478 | 60.157 | 60.157 | 0.0 | 0.321 | 0.331 |
| 7 | 0 | 6 | 105.992 | 104.104 | 104.104 | 0.0 | 1.888 | 0.992 |
| 8 | 0 | 6 | 13.352 | 13.767 | -13.767 | 0.0 | 1.435 | 0.444 |
| 9 | 0 | 6 | 25.117 | 26.801 | -26.801 | 0.0 | -1.684 | -0.591 |
| 10 | 0 | 6 | 21.651 | 21.223 | 21.223 | 0.0 | 0.428 | 0.152 |
| 0 | 0 | 6 | 350.791 | 372.256 | 372.256 | 0.0 | -21.506 | -2.430 |
| 11 | 0 | 6 | 27.618 | 25.576 | -25.576 | 0.0 | 2.042 | 0.889 |
| 12 | 0 | 6 | 16.623 | 18.667 | 18.667 | 0.0 | -2.044 | -0.567 |
| 13 | 0 | 6 | 87.128 | 86.531 | 86.531 | 0.0 | 0.597 | 0.335 |
| 14 | 0 | 6 | 4.425 | 1.773 | -1.773 | 0.0 | 2.652 | 0.321 |
| 15 | 0 | 6 | 80.107 | 79.676 | 79.676 | 0.0 | 0.430 | 0.242 |
| 16 | 0 | 6 | 15.629 | 8.235 | -8.235 | 0.0 | 7.395 | 2.032 |
| 17 | 0 | 6 | 29.535 | 31.987 | -31.987 | 0.0 | -2.452 | -0.931 |
| 16 | 1 | 6 | 21.754 | 18.455 | 18.455 | 0.0 | 2.758 | 0.963 |
| 15 | 1 | 6 | 22.558 | 28.654 | -28.654 | 0.0 | -6.297 | -1.743 |
| 14 | 1 | 6 | 22.017 | 26.516 | -26.516 | 0.0 | -4.500 | -1.332 |
| 13 | 1 | 6 | 60.443 | 63.817 | 63.817 | 0.0 | -3.375 | -1.804 |
| 12 | 1 | 6 | 9.658 | 18.021 | 18.021 | 0.0 | -8.323 | -1.400 |
| 11 | 1 | 6 | 8.968 | 1.505 | 1.505 | 0.0 | 7.462 | 1.385 |
| 10 | 1 | 6 | 14.592 | 10.569 | -10.569 | 0.0 | 4.023 | 1.076 |
| 9 | 1 | 6 | 10.764 | 0.310 | 0.310 | 0.0 | 10.455 | 2.223 |
| 7 | 1 | 6 | 46.534 | 46.649 | -46.649 | 0.0 | -0.115 | -0.007 |
| 6 | 1 | 6 | 26.024 | 26.102 | -26.102 | 0.0 | -0.078 | -0.034 |
| 5 | 1 | 6 | 10.651 | 15.974 | 15.974 | 0.0 | -5.283 | -1.116 |
| 0 | 6 | 0 | 351.936 | 372.296 | 372.296 | 0.0 | -20.460 | -3.249 |
| 4 | 1 | 6 | 10.589 | 14.808 | -14.808 | 0.0 | -4.219 | -0.944 |
| 2 | 1 | 6 | 12.620 | 10.882 | 10.882 | 0.0 | 1.739 | 0.454 |
| 1 | 1 | 6 | 64.333 | 64.618 | -64.618 | 0.0 | -0.285 | -0.186 |
| 0 | 2 | 6 | 11.144 | 15.997 | 15.997 | 0.0 | -4.753 | -1.074 |
| 1 | 2 | 6 | 16.139 | 19.182 | -19.182 | 0.0 | -5.042 | -1.293 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA | 52 |
|----|---|---|---------|---------|---------|---------|---------|-------------|----|
| 2 | 2 | 6 | 17.105 | 21.394 | 21.094 | 0.0 | -4.709 | -1.406 | |
| 3 | 2 | 6 | 42.133 | 42.090 | -42.090 | 0.0 | 0.042 | 0.025 | |
| 5 | 2 | 6 | 14.055 | 17.092 | 17.092 | 0.0 | -2.997 | -0.765 | |
| 6 | 2 | 6 | 21.643 | 22.057 | -22.057 | 0.0 | 1.582 | 0.652 | |
| 7 | 2 | 6 | 8.836 | 1.155 | 1.155 | 0.0 | 7.691 | 1.455 | |
| 8 | 2 | 6 | 17.127 | 10.689 | 10.689 | 0.0 | 6.431 | 2.106 | |
| 9 | 2 | 6 | 16.950 | 17.393 | -17.393 | 0.0 | -0.783 | -0.213 | |
| 10 | 2 | 6 | 12.868 | 19.820 | -19.820 | 0.0 | -6.961 | -1.462 | |
| 11 | 2 | 6 | 36.314 | 36.915 | -36.915 | 0.0 | -0.202 | -0.096 | |
| 12 | 2 | 6 | 15.642 | 3.521 | -3.521 | 0.0 | 10.121 | 2.575 | * |
| 15 | 2 | 6 | 20.847 | 15.124 | 15.124 | 0.0 | 5.723 | 1.364 | |
| 0 | 6 | 0 | 352.198 | 372.256 | 372.296 | 0.0 | -20.093 | -3.190 | * |
| 16 | 2 | 6 | 6.747 | 4.456 | -4.456 | 0.0 | 2.291 | 0.328 | |
| 17 | 2 | 6 | 28.277 | 28.176 | -28.176 | 0.0 | 3.101 | 1.255 | |
| 16 | 3 | 6 | 3.301 | 9.773 | -9.773 | 0.0 | -6.473 | -0.720 | |
| 15 | 3 | 6 | 6.704 | 0.732 | 0.732 | 0.0 | 5.972 | 0.359 | |
| 13 | 3 | 6 | 2.622 | 1.602 | 1.602 | 0.0 | 2.020 | 0.236 | |
| 11 | 3 | 6 | 17.265 | 4.186 | 4.186 | 0.0 | 13.119 | 4.485 | * |
| 10 | 3 | 6 | 13.628 | 1.534 | 1.534 | 0.0 | 12.093 | 3.123 | * |
| 9 | 3 | 6 | 9.917 | 3.260 | 3.260 | 0.0 | 6.657 | 1.360 | |
| 7 | 3 | 6 | 6.450 | 8.009 | -8.009 | 0.0 | 1.450 | 0.279 | |
| 6 | 3 | 6 | 11.168 | 5.303 | -5.303 | 0.0 | 5.883 | 1.326 | |
| 5 | 3 | 6 | 6.835 | 8.338 | -8.338 | 0.0 | 1.447 | 0.243 | |
| 4 | 3 | 6 | 23.230 | 20.360 | 20.360 | 0.0 | 2.370 | 1.300 | |
| 2 | 3 | 6 | 10.297 | 4.644 | 4.644 | 0.0 | 5.653 | 1.281 | |
| 0 | 4 | 6 | 22.221 | 24.816 | 24.816 | 0.0 | -2.595 | -0.944 | |
| 1 | 4 | 6 | 17.005 | 13.870 | 13.870 | 0.0 | 3.235 | 1.320 | |
| 0 | 6 | 0 | 351.655 | 372.256 | 372.296 | 0.0 | -20.441 | -3.246 | * |
| 3 | 4 | 6 | 35.054 | 33.528 | -33.528 | 0.0 | 1.526 | 0.440 | |
| 6 | 4 | 6 | 13.116 | 10.095 | -10.095 | 0.0 | 3.022 | 0.766 | |
| 7 | 4 | 6 | 14.504 | 14.062 | -14.062 | 0.0 | 0.442 | 0.110 | |
| 8 | 4 | 6 | 9.216 | 12.638 | 12.638 | 0.0 | -3.422 | -0.613 | |
| 9 | 4 | 6 | 4.951 | 12.377 | -12.377 | 0.0 | -7.425 | -0.733 | |
| 10 | 4 | 6 | 12.853 | 7.017 | 7.017 | 0.0 | 5.837 | 1.437 | |
| 11 | 4 | 6 | 14.855 | 12.220 | -12.220 | 0.0 | 2.635 | 0.653 | |
| 12 | 4 | 6 | 13.160 | 6.738 | -6.738 | 0.0 | 3.422 | 0.791 | |
| 13 | 4 | 6 | 11.582 | 12.229 | -12.229 | 0.0 | -0.647 | -0.121 | |
| 14 | 5 | 6 | 26.185 | 19.575 | 19.575 | 0.0 | 6.213 | 2.512 | |
| 13 | 5 | 6 | 65.675 | 66.758 | -66.758 | 0.0 | -1.083 | -0.317 | |
| 12 | 5 | 6 | 8.456 | 1.436 | -1.436 | 0.0 | 7.020 | 1.158 | |
| 11 | 5 | 6 | 11.330 | 19.607 | -19.607 | 0.0 | -8.507 | -1.482 | |
| 9 | 5 | 6 | 15.995 | 9.810 | 9.810 | 0.0 | 6.185 | 1.749 | |
| 0 | 6 | 0 | 352.312 | 372.256 | 372.296 | 0.0 | -19.984 | -3.171 | * |
| 8 | 5 | 6 | 17.602 | 15.818 | -15.818 | 0.0 | 1.784 | 0.322 | |
| 7 | 5 | 6 | 57.527 | 56.433 | -56.433 | 0.0 | 1.095 | 0.695 | |
| 6 | 5 | 6 | 28.174 | 28.333 | 28.333 | 0.0 | -0.158 | -0.070 | |
| 5 | 5 | 6 | 47.077 | 46.116 | -46.116 | 0.0 | 0.961 | 0.579 | |
| 4 | 5 | 6 | 9.318 | 8.226 | -8.226 | 0.0 | 1.092 | 0.195 | |
| 3 | 5 | 6 | 18.611 | 12.633 | -12.633 | 0.0 | 5.928 | 1.988 | |
| 2 | 5 | 6 | 15.644 | 4.870 | -4.870 | 0.0 | 10.774 | 3.137 | * |
| 1 | 5 | 6 | 78.955 | 82.174 | -82.174 | 0.0 | -3.179 | -1.848 | |
| 0 | 6 | 6 | 43.423 | 47.482 | -47.482 | 0.0 | -4.059 | -2.196 | |
| 1 | 6 | 6 | 85.503 | 88.216 | -88.216 | 0.0 | -2.708 | -1.558 | |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 2 | 6 | 6 | 16.258 | 19.519 | 19.518 | 0.0 | -3.660 | -0.942 |
| 3 | 6 | 6 | 21.204 | 23.724 | -23.924 | 0.0 | -3.720 | -1.078 |
| 5 | 6 | 6 | 41.902 | 44.438 | 44.438 | 0.0 | -2.936 | -1.400 |
| 7 | 6 | 6 | 68.730 | 68.247 | 68.247 | 0.0 | 0.483 | 0.292 |
| 8 | 6 | 6 | 7.551 | 3.510 | -3.810 | 0.0 | 3.740 | 0.593 |
| 11 | 6 | 6 | 26.058 | 21.375 | -21.375 | 0.0 | 4.693 | 1.921 |
| 0 | 6 | 0 | 351.950 | 372.296 | 372.296 | 0.0 | -20.346 | -3.230 * |
| 12 | 6 | 6 | 18.584 | 17.548 | 17.548 | 0.0 | 1.136 | 0.313 |
| 10 | 7 | 6 | 6.353 | 5.224 | -9.224 | 0.0 | -2.871 | -0.377 |
| 9 | 7 | 6 | 19.742 | 19.368 | 19.368 | 0.0 | -0.625 | -0.172 |
| 7 | 7 | 6 | 23.669 | 17.648 | -19.648 | 0.0 | 4.021 | 1.455 |
| 6 | 7 | 6 | 23.581 | 21.436 | -21.436 | 0.0 | 2.175 | 0.795 |
| 4 | 7 | 6 | 13.730 | 10.205 | 10.205 | 0.0 | 3.525 | 0.874 |
| 3 | 7 | 6 | 17.921 | 25.283 | -25.283 | 0.0 | -7.461 | -1.725 |
| 2 | 7 | 6 | 9.055 | 1.765 | 1.765 | 0.0 | 7.291 | 1.367 |
| 1 | 7 | 6 | 5.710 | 17.081 | -17.081 | 0.0 | -11.370 | -1.413 * |
| 0 | 8 | 5 | 15.743 | 5.616 | 9.616 | 0.0 | 5.326 | 1.452 |
| 1 | 8 | 6 | 15.555 | 18.099 | -18.099 | 0.0 | -1.943 | -0.477 |
| 2 | 8 | 5 | 12.909 | 4.331 | 4.331 | 0.0 | 8.618 | 1.966 |
| 3 | 8 | 6 | 33.341 | 35.350 | -35.350 | 0.0 | -2.009 | -0.789 |
| 4 | 8 | 6 | 4.644 | 8.837 | 8.837 | 0.0 | -4.193 | -0.914 |
| 5 | 8 | 6 | 19.049 | 14.337 | 14.337 | 0.0 | 4.712 | 1.459 |
| 0 | 6 | 7 | 6.017 | 0.431 | 0.601 | 0.0 | 5.416 | C.740 |
| 1 | 6 | 7 | 9.281 | 2.535 | -2.505 | 0.0 | 5.776 | G.920 |
| 0 | 6 | 0 | 352.788 | 372.296 | 372.296 | 0.0 | -19.508 | -3.054 * |
| 6 | 5 | 7 | 15.949 | 17.575 | -17.575 | 0.0 | -1.726 | -0.466 |
| 4 | 5 | 7 | 9.712 | 5.394 | 9.394 | 0.0 | 0.318 | 0.352 |
| 2 | 5 | 7 | 23.362 | 25.587 | 20.587 | 0.0 | 2.775 | 0.973 |
| 1 | 5 | 7 | 32.843 | 33.716 | -33.716 | 0.0 | -0.873 | -0.382 |
| 0 | 4 | 7 | 10.299 | 1.636 | -1.636 | 0.0 | 8.574 | 1.672 |
| 1 | 4 | 7 | 24.488 | 25.136 | 25.136 | 0.0 | -0.648 | -0.231 |
| 2 | 4 | 7 | 19.374 | 16.379 | 16.379 | 0.0 | 2.494 | 0.726 |
| 3 | 4 | 7 | 8.164 | 2.002 | -2.002 | 0.0 | 6.162 | 0.986 |
| 4 | 4 | 7 | 26.682 | 25.765 | -25.765 | 0.0 | 0.917 | 0.352 |
| 5 | 4 | 7 | 24.342 | 25.210 | 25.210 | 0.0 | -0.869 | -0.282 |
| 7 | 4 | 7 | 16.798 | 13.812 | 13.812 | 0.0 | 2.987 | 0.783 |
| 8 | 4 | 7 | 16.309 | 16.948 | 16.948 | 0.0 | -0.939 | -0.228 |
| 9 | 4 | 7 | 17.398 | 23.071 | 23.071 | 0.0 | -5.673 | -1.348 |
| 10 | 3 | 7 | 70.739 | 70.981 | 70.981 | 0.0 | -0.242 | -0.127 |
| 9 | 3 | 7 | 25.985 | 25.507 | -25.507 | 0.0 | -0.302 | -0.001 |
| 9 | 3 | 7 | 12.400 | 17.035 | -17.035 | 0.0 | -4.635 | -0.901 |
| 7 | 3 | 7 | 46.754 | 42.837 | -42.837 | 0.0 | 3.917 | 2.300 |
| 0 | 6 | 0 | 351.418 | 372.296 | 372.296 | 0.0 | -20.878 | -3.328 * |
| 6 | 3 | 7 | 52.130 | 53.201 | -53.201 | 0.0 | -1.071 | -0.574 |
| 5 | 3 | 7 | 49.678 | 48.287 | 48.287 | 0.0 | 0.399 | 0.205 |
| 4 | 3 | 7 | 12.941 | 2.014 | -2.014 | 0.0 | 10.927 | 2.615 * |
| 3 | 3 | 7 | 60.550 | 55.719 | 59.719 | 0.0 | 0.871 | 0.528 |
| 2 | 3 | 7 | 69.563 | 65.237 | 65.237 | 0.0 | -4.574 | -2.370 |
| 1 | 3 | 7 | 12.707 | 7.146 | 7.746 | 0.0 | 4.961 | 1.095 |
| 0 | 2 | 7 | 20.613 | 24.174 | -24.174 | 0.0 | -3.561 | -1.092 |
| 1 | 2 | 7 | 42.901 | 42.433 | -42.433 | 0.0 | -0.432 | -0.230 |
| 2 | 2 | 7 | 19.780 | 22.480 | -22.480 | 0.0 | -2.700 | -0.814 |
| 4 | 2 | 7 | 53.335 | 53.185 | 53.185 | 0.0 | -0.151 | -0.083 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 5 | 2 | 7 | 15.717 | 9.868 | -9.868 | 0.0 | 5.849 | 1.555 |
| 8 | 2 | 7 | 33.760 | 36.231 | -36.231 | 0.0 | -2.453 | -0.956 |
| 9 | 2 | 7 | 37.427 | 37.419 | -37.419 | 0.0 | 0.008 | 0.004 |
| 10 | 2 | 7 | 12.167 | 4.108 | 4.108 | 0.0 | 8.059 | 1.703 |
| 11 | 2 | 7 | 39.664 | 43.660 | -43.660 | 0.0 | -0.975 | -0.408 |
| 11 | 1 | 7 | 18.533 | 15.575 | 15.575 | 0.0 | 2.563 | 0.746 |
| 3 | 6 | 3 | 351.694 | 372.296 | 372.296 | 0.0 | -20.612 | -3.284 |
| 10 | 1 | 7 | 11.318 | 9.561 | -9.561 | 0.0 | 1.957 | 0.409 |
| 9 | 1 | 7 | 20.233 | 21.596 | -21.596 | 0.0 | -1.363 | -0.407 |
| 8 | 1 | 7 | 17.456 | 8.666 | 8.666 | 0.0 | 8.791 | 2.948 |
| 7 | 1 | 7 | 0.822 | 0.675 | -0.675 | 0.0 | 0.157 | 0.014 |
| 6 | 1 | 7 | 7.478 | 4.221 | -4.221 | 0.0 | 3.256 | 0.513 |
| 5 | 1 | 7 | 9.712 | 8.766 | -8.766 | 0.0 | 0.946 | 0.172 |
| 4 | 1 | 7 | 15.573 | 9.106 | 9.106 | 0.0 | 6.568 | 1.763 |
| 3 | 1 | 7 | 7.200 | 7.027 | 7.027 | 0.0 | 0.173 | 0.027 |
| 2 | 1 | 7 | 12.634 | 8.820 | 8.820 | 0.0 | 3.814 | 0.976 |
| 1 | 1 | 7 | 31.335 | 29.693 | -29.693 | 0.0 | 1.442 | 0.452 |

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| H | K | L | F(CPS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|-----|---|---|---------|---------|----------|---------|---------|-------------|
| 0 | 6 | 0 | 337.746 | 354.231 | 354.231 | 0.0 | -16.486 | -2.739 * |
| 4 | 0 | 0 | 186.883 | 185.534 | -185.534 | 0.0 | 1.149 | 0.389 |
| 8 | 0 | 0 | 226.929 | 23.772 | -23.772 | 0.0 | -0.843 | -0.726 |
| 10 | 0 | 0 | 99.729 | 111.772 | 111.772 | 0.0 | -12.043 | -7.622 * |
| 12 | 0 | 0 | 11.219 | 7.263 | 7.263 | 0.0 | 3.955 | 1.715 |
| 14 | 0 | 0 | 282.560 | 275.891 | -275.891 | 0.0 | 6.668 | 1.381 |
| 16 | 0 | 0 | 32.771 | 30.316 | -30.316 | 0.0 | 2.455 | 1.667 |
| 18 | 0 | 0 | 159.034 | 161.075 | 161.075 | 0.0 | -2.041 | -0.792 |
| 20 | 0 | 0 | 8.200 | 6.655 | -6.655 | 0.0 | -1.355 | -0.235 |
| 22 | 0 | 0 | 156.029 | 156.120 | -156.120 | 0.0 | -0.081 | -0.032 |
| 24 | 0 | 0 | 11.659 | 1.080 | -1.080 | 0.0 | 10.579 | 2.501 * |
| 26 | 0 | 0 | 16.022 | 15.831 | -15.831 | 0.0 | -2.009 | -0.543 |
| 28 | 1 | 0 | 29.989 | 31.923 | -31.923 | 0.0 | -1.934 | -0.832 |
| 30 | 1 | 0 | 14.464 | 16.713 | -16.713 | 0.0 | -1.250 | -0.338 |
| 32 | 1 | 0 | 31.373 | 27.993 | -27.993 | 0.0 | 3.480 | 2.251 |
| 34 | 1 | 0 | 16.654 | 12.189 | -12.189 | 0.0 | -4.454 | -1.657 |
| 36 | 1 | 0 | 50.896 | 52.801 | -52.801 | 0.0 | -1.905 | -1.343 |
| 38 | 1 | 0 | 9.205 | 3.040 | -3.040 | 0.0 | 6.768 | 1.822 |
| 40 | 1 | 0 | 127.180 | 127.646 | -127.646 | 0.0 | -0.466 | -0.224 |
| 42 | 1 | 0 | 9.205 | 2.135 | -2.135 | 0.0 | 7.160 | 2.129 |
| 44 | 1 | 0 | 338.146 | 354.231 | 354.231 | 0.0 | -16.085 | -2.663 * |
| 46 | 1 | 0 | 44.800 | 44.800 | 44.800 | 0.0 | 1.384 | 1.359 |
| 48 | 1 | 0 | 262.047 | 262.047 | 262.047 | 0.0 | -1.429 | -0.378 |
| 50 | 1 | 0 | 7.946 | 7.946 | 7.946 | 0.0 | 2.744 | 1.448 |
| 52 | 1 | 0 | 85.629 | 85.673 | -85.673 | 0.0 | -1.344 | -1.034 |
| 54 | 2 | 0 | 7.004 | 11.180 | -11.180 | 0.0 | -4.176 | -1.766 |
| 56 | 2 | 0 | 11.432 | 3.388 | -3.388 | 0.0 | 8.041 | 4.888 |
| 58 | 2 | 0 | 183.985 | 186.900 | -186.900 | 0.0 | -3.005 | -0.973 |
| 60 | 2 | 0 | 16.360 | 16.354 | -16.354 | 0.0 | 0.006 | 0.004 |
| 62 | 2 | 0 | 85.107 | 84.658 | -84.658 | 0.0 | 0.449 | 0.323 |
| 64 | 2 | 0 | 21.959 | 23.463 | -23.463 | 0.0 | -1.504 | -0.948 |
| 66 | 2 | 0 | 12.819 | 11.431 | -11.431 | 0.0 | 1.388 | 0.517 |
| 68 | 2 | 0 | 70.411 | 71.314 | -71.314 | 0.0 | -0.902 | -0.632 |
| 70 | 2 | 0 | 14.949 | 16.251 | -16.251 | 0.0 | -1.302 | -0.454 |
| 72 | 2 | 0 | 14.523 | 13.326 | -13.326 | 0.0 | 1.198 | 0.379 |
| 74 | 2 | 0 | 29.732 | 32.510 | -32.510 | 0.0 | -2.977 | -1.257 |
| 76 | 2 | 0 | 10.058 | 15.449 | -15.449 | 0.0 | -5.391 | -1.008 |
| 78 | 3 | 0 | 338.508 | 354.231 | 354.231 | 0.0 | -15.723 | -2.601 * |
| 80 | 3 | 0 | 14.568 | 7.314 | -7.314 | 0.0 | 7.253 | 2.265 |
| 82 | 3 | 0 | 7.033 | 4.517 | -4.517 | 0.0 | 2.516 | 0.485 |
| 84 | 3 | 0 | 14.949 | 11.444 | -11.444 | 0.0 | 3.505 | 1.356 |
| 86 | 3 | 0 | 42.319 | 42.388 | -42.388 | 0.0 | -0.069 | -0.049 |
| 88 | 3 | 0 | 7.958 | 2.889 | -2.889 | 0.0 | 5.070 | 1.438 |
| 90 | 3 | 0 | 11.165 | 5.880 | -5.880 | 0.0 | 5.266 | 2.269 |
| 92 | 3 | 0 | 44.590 | 43.296 | -43.296 | 0.0 | 1.295 | 1.350 |
| 94 | 3 | 0 | 19.313 | 20.465 | -20.465 | 0.0 | -1.151 | -0.992 |
| 96 | 3 | 0 | 42.732 | 42.392 | -42.392 | 0.0 | 0.339 | 0.377 |
| 98 | 4 | 0 | 26.326 | 26.250 | -26.250 | 0.0 | 0.076 | 0.077 |
| 100 | 4 | 0 | 7.688 | 8.686 | -8.686 | 0.0 | -0.998 | -0.283 |
| 102 | 4 | 0 | 64.294 | 67.129 | -67.129 | 0.0 | -2.835 | -2.482 |
| 104 | 4 | 0 | 11.777 | 3.662 | -3.662 | 0.0 | 8.115 | 3.759 |
| 106 | 4 | 0 | 61.699 | 62.673 | -62.673 | 0.0 | -0.974 | -0.812 |
| 108 | 4 | 0 | 32.550 | 35.318 | -35.318 | 0.0 | -2.768 | -2.113 |

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| H | K | t | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 12 | 4 | 0 | 14.891 | 14.947 | -14.947 | 0.0 | -0.056 | -0.021 |
| 14 | 4 | 0 | 2.369 | 2.372 | 3.372 | 0.0 | -1.022 | -0.160 |
| 0 | 6 | 0 | 337.803 | 354.231 | 354.231 | 0.0 | -16.428 | -2.722 |
| 16 | 4 | 0 | 48.842 | 49.700 | 49.700 | 0.0 | -0.858 | -0.624 |
| 18 | 4 | 0 | 9.667 | 1.662 | 1.662 | 0.0 | 8.206 | 2.191 |
| 20 | 4 | 0 | 48.680 | 48.308 | 48.308 | 0.0 | 0.371 | 0.259 |
| 22 | 4 | 0 | 9.074 | 19.950 | -19.950 | 0.0 | -10.875 | -2.002 |
| 24 | 4 | 0 | 25.797 | 21.339 | 21.339 | 0.0 | 4.458 | 2.106 |
| 22 | 5 | 0 | 22.723 | 23.343 | -23.343 | 0.0 | -0.620 | -0.244 |
| 20 | 5 | 0 | 18.079 | 17.835 | 17.835 | 0.0 | 0.244 | 0.084 |
| 18 | 5 | 0 | 60.261 | 61.673 | 61.673 | 0.0 | -1.412 | -0.925 |
| 16 | 5 | 0 | 13.760 | 8.047 | 3.047 | 0.0 | 5.713 | 2.036 |
| 14 | 5 | 0 | 197.583 | 197.243 | -197.243 | 0.0 | 0.340 | 0.105 |
| 12 | 5 | 0 | 17.374 | 14.443 | 14.443 | 0.0 | 2.920 | 1.224 |
| 10 | 5 | 0 | 11.057 | 10.595 | -10.595 | 0.0 | 0.462 | 0.131 |
| 8 | 5 | 0 | 14.450 | 14.173 | -14.173 | 0.0 | 0.277 | 0.100 |
| 6 | 5 | 0 | 155.571 | 156.541 | -156.541 | 0.0 | -0.969 | -0.391 |
| 4 | 5 | 0 | 6.123 | 9.225 | -9.225 | 0.0 | -2.102 | -0.261 |
| 2 | 5 | 0 | 206.185 | 212.859 | 212.859 | 0.0 | -6.674 | -2.002 |
| 0 | 6 | 0 | 338.013 | 354.231 | 354.231 | 0.0 | -16.218 | -2.694 |
| 2 | 6 | 0 | 14.758 | 13.791 | 13.791 | 0.0 | 0.967 | 0.397 |
| 0 | 6 | 0 | 339.157 | 354.231 | 354.231 | 0.0 | -15.075 | -2.492 |
| 4 | 6 | 0 | 86.663 | 89.165 | -89.165 | 0.0 | -2.502 | -1.690 |
| 6 | 6 | 0 | 7.165 | 13.381 | -13.381 | 0.0 | -6.216 | -1.327 |
| 8 | 6 | 0 | 125.470 | 124.634 | 124.634 | 0.0 | 0.835 | 0.408 |
| 10 | 6 | 0 | 2.540 | 11.697 | -11.697 | 0.0 | -9.157 | -1.177 |
| 12 | 6 | 0 | 125.622 | 125.892 | -125.892 | 0.0 | -0.269 | -0.130 |
| 14 | 6 | 0 | 21.370 | 23.438 | -23.438 | 0.0 | -0.268 | -0.131 |
| 16 | 6 | 0 | 71.378 | 69.931 | 69.931 | 0.0 | 1.446 | 0.592 |
| 18 | 6 | 0 | 12.026 | 9.654 | 9.654 | 0.0 | 2.372 | 0.675 |
| 20 | 6 | 0 | 122.862 | 124.716 | -124.716 | 0.0 | -1.854 | -0.863 |
| 24 | 6 | 0 | 7.900 | 8.646 | -8.646 | 0.0 | -0.746 | -0.121 |
| 22 | 7 | 0 | 18.182 | 17.212 | -17.212 | 0.0 | 0.969 | 0.204 |
| 20 | 7 | 0 | 12.595 | 0.664 | -0.664 | 0.0 | 11.935 | 2.199 |
| 18 | 7 | 0 | 16.213 | 14.398 | 14.398 | 0.0 | 1.815 | 0.572 |
| 16 | 7 | 0 | 16.962 | 15.599 | -15.599 | 0.0 | -1.374 | -0.495 |
| 14 | 7 | 0 | 56.710 | 56.458 | 56.458 | 0.0 | -1.748 | -1.194 |
| 10 | 7 | 0 | 69.148 | 70.492 | 70.492 | 0.0 | -1.344 | -0.932 |
| 6 | 7 | 0 | 34.641 | 34.590 | 34.590 | 0.0 | 0.051 | 0.036 |
| 0 | 6 | 0 | 337.917 | 354.231 | 354.231 | 0.0 | -16.314 | -2.710 |
| 4 | 7 | 0 | 31.608 | 31.825 | 31.825 | 0.0 | -0.217 | -0.149 |
| 2 | 7 | 0 | 18.005 | 17.844 | 17.844 | 0.0 | 0.162 | 0.063 |
| 0 | 8 | 0 | 60.795 | 61.997 | 61.997 | 0.0 | -1.202 | -0.912 |
| 2 | 8 | 0 | 16.962 | 21.734 | -21.734 | 0.0 | -4.772 | -1.856 |
| 4 | 8 | 0 | 86.573 | 87.214 | -87.214 | 0.0 | -0.641 | -0.408 |
| 6 | 8 | 0 | 12.584 | 3.478 | 3.478 | 0.0 | 9.107 | 2.116 |
| 8 | 8 | 0 | 29.989 | 31.628 | 31.628 | 0.0 | -1.639 | -0.891 |
| 10 | 8 | 0 | 25.061 | 22.814 | 22.814 | 0.0 | 2.247 | 1.253 |
| 12 | 8 | 0 | 41.262 | 42.683 | -42.683 | 0.0 | -1.440 | -0.958 |
| 14 | 8 | 0 | 3.476 | 1.707 | 1.707 | 0.0 | 2.169 | 0.311 |
| 16 | 8 | 0 | 63.241 | 63.064 | 63.064 | 0.0 | 0.177 | 0.115 |
| 18 | 8 | 0 | 7.048 | 1.669 | -1.669 | 0.0 | 5.379 | 0.939 |
| 20 | 8 | 0 | 9.001 | 6.568 | -6.568 | 0.0 | 2.433 | 0.445 |

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| H | K | I | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 18 | 9 | 0 | 12.217 | 2.037 | 2.037 | 0.0 | 10.180 | 2.432 * |
| 14 | 9 | 0 | 19.137 | 17.395 | 17.395 | 0.0 | 1.742 | 0.648 |
| 12 | 9 | 0 | 9.853 | 3.523 | 3.523 | 0.0 | 6.330 | 1.585 |
| 0 | 6 | 0 | 338.760 | 354.231 | 354.231 | 0.0 | -15.971 | -2.643 * |
| 8 | 9 | 0 | 7.679 | 18.585 | -18.585 | 0.0 | -10.905 | -2.046 * |
| 6 | 9 | 0 | 21.052 | 24.009 | -24.009 | 0.0 | -2.956 | -1.261 |
| 4 | 9 | 0 | 7.679 | 7.677 | -7.677 | 0.0 | 0.115 | 0.023 |
| 0 | 10 | 0 | 58.010 | 50.613 | -50.613 | 0.0 | -1.602 | -1.104 |
| 2 | 10 | 0 | 16.962 | 12.524 | -12.524 | 0.0 | 4.438 | 1.912 |
| 4 | 10 | 0 | 15.767 | 9.840 | -9.840 | 0.0 | 5.941 | 2.300 |
| 8 | 10 | 0 | 30.342 | 33.696 | -33.696 | 0.0 | -3.343 | -1.578 |
| 10 | 10 | 0 | 6.259 | 2.392 | -2.392 | 0.0 | 3.907 | 0.577 |
| 12 | 10 | 0 | 21.738 | 20.596 | 20.596 | 0.0 | 1.142 | 0.471 |
| 18 | 10 | 0 | 12.261 | 6.320 | -6.320 | 0.0 | 5.941 | 1.482 |
| 14 | 11 | 0 | 84.778 | 85.878 | -85.878 | 0.0 | 0.368 | 0.186 |
| 8 | 11 | 0 | 12.869 | 2.264 | -2.264 | 0.0 | 10.585 | 2.541 * |
| 6 | 11 | 0 | 80.015 | 76.173 | -76.173 | 0.0 | 3.843 | 2.363 |
| 0 | 6 | 0 | 338.527 | 354.231 | 354.231 | 0.0 | -15.704 | -2.598 * |
| 4 | 11 | 0 | 16.903 | 14.203 | -14.203 | 0.0 | 2.701 | 0.952 |
| 2 | 11 | 0 | 66.802 | 67.858 | -67.858 | 0.0 | -1.057 | -0.665 |
| 0 | 12 | 0 | 71.409 | 88.594 | 88.594 | 0.0 | 2.815 | 1.619 |
| 8 | 12 | 0 | 24.973 | 24.418 | 24.418 | 0.0 | 2.555 | 1.086 |
| 10 | 12 | 0 | 7.386 | 8.195 | -8.195 | 0.0 | -0.809 | -0.132 |
| 12 | 12 | 0 | 32.388 | 32.944 | -32.944 | 0.0 | -0.556 | -0.348 |
| 2 | 13 | 0 | 30.696 | 30.842 | -30.842 | 0.0 | -0.146 | -0.062 |
| 7 | 13 | 1 | 4.757 | 0.217 | -0.217 | 0.0 | 4.540 | 0.597 |
| 6 | 13 | 1 | 12.379 | 8.861 | -8.861 | 0.0 | 3.518 | 0.825 |
| 3 | 13 | 1 | 15.699 | 11.810 | -11.810 | 0.0 | 3.889 | 1.122 |
| 2 | 13 | 1 | 18.579 | 10.542 | -10.542 | 0.0 | 8.036 | 3.005 |
| 0 | 13 | 1 | 15.890 | 12.948 | -12.948 | 0.0 | 3.042 | 0.912 |
| 0 | 6 | 0 | 339.089 | 354.231 | 354.231 | 0.0 | -16.143 | -2.672 * |
| 4 | 12 | 1 | 11.233 | 6.988 | -6.988 | 0.0 | 4.245 | 1.029 |
| 5 | 12 | 1 | 14.788 | 14.098 | -14.098 | 0.0 | 0.690 | 0.183 |
| 6 | 12 | 1 | 2.540 | 6.309 | -6.309 | 0.0 | -3.769 | -0.417 |
| 7 | 12 | 1 | 11.762 | 0.479 | -0.479 | 0.0 | 11.283 | 2.814 * |
| 9 | 12 | 1 | 10.660 | 4.012 | -4.012 | 0.0 | 6.642 | 1.446 |
| 10 | 12 | 1 | 11.571 | 3.388 | -3.388 | 0.0 | 8.183 | 1.941 |
| 11 | 12 | 1 | 10.690 | 7.996 | -7.996 | 0.0 | 2.694 | 0.573 |
| 15 | 11 | 1 | 18.051 | 15.175 | -15.175 | 0.0 | 0.876 | 0.247 |
| 14 | 11 | 1 | 22.529 | 19.596 | -19.596 | 0.0 | 3.334 | 1.281 |
| 13 | 11 | 1 | 9.500 | 13.615 | -13.615 | 0.0 | -4.115 | -0.751 |
| 12 | 11 | 1 | 4.140 | 3.987 | -3.987 | 0.0 | 0.153 | 0.020 |
| 11 | 11 | 1 | 18.609 | 17.939 | -17.939 | 0.0 | 0.669 | 0.211 |
| 10 | 11 | 1 | 19.357 | 15.103 | -15.103 | 0.0 | 4.255 | 1.500 |
| 9 | 11 | 1 | 13.818 | 11.753 | -11.753 | 0.0 | 2.065 | 0.517 |
| 0 | 6 | 0 | 338.641 | 354.231 | 354.231 | 0.0 | -15.590 | -2.579 * |
| 8 | 11 | 1 | 19.622 | 12.484 | -12.484 | 0.0 | 7.138 | 2.874 |
| 7 | 11 | 1 | 26.591 | 24.382 | -24.382 | 0.0 | 2.208 | 1.001 |
| 6 | 11 | 1 | 36.673 | 32.728 | -32.728 | 0.0 | 3.946 | 2.251 |
| 5 | 11 | 1 | 36.798 | 32.627 | -32.627 | 0.0 | 2.161 | 1.233 |
| 4 | 11 | 1 | 16.009 | 10.336 | -10.336 | 0.0 | 3.573 | 1.021 |
| 3 | 11 | 1 | 15.919 | 12.217 | -12.217 | 0.0 | 3.702 | 1.261 |
| 2 | 11 | 1 | 26.767 | 23.939 | -23.939 | 0.0 | 2.828 | 1.424 |

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| H | K | L | F(CALC) | F(CALC) | A(CALC) | P(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|----------|---------|---------|-------------|
| 1 | 11 | 1 | 19.593 | 18.342 | -18.342 | 0.0 | 1.251 | 0.450 |
| 0 | 10 | 1 | 34.538 | 32.254 | 32.254 | 0.0 | 2.284 | 1.314 |
| 1 | 10 | 1 | 33.919 | 33.365 | -33.365 | 0.0 | 0.555 | 0.312 |
| 2 | 10 | 1 | 24.694 | 28.107 | 28.107 | 0.0 | -3.413 | -1.558 |
| 5 | 10 | 1 | 11.062 | 4.577 | -4.577 | 0.0 | 6.465 | 1.799 |
| 6 | 10 | 1 | 18.222 | 17.836 | 17.836 | 0.0 | 0.493 | 0.184 |
| 7 | 10 | 1 | 18.872 | 15.949 | 15.949 | 0.0 | 2.924 | 1.124 |
| 8 | 10 | 1 | 11.292 | 15.175 | 15.175 | 0.0 | -3.883 | -0.908 |
| 9 | 10 | 1 | 12.144 | 11.423 | -11.423 | 0.0 | 0.721 | 0.190 |
| 10 | 10 | 1 | 9.721 | 2.142 | 2.142 | 0.0 | 7.578 | 1.697 |
| 11 | 10 | 1 | 21.577 | 17.139 | -17.139 | 0.0 | 4.448 | 1.915 |
| 0 | 6 | 0 | 338.680 | 354.231 | 354.231 | 0.0 | -15.552 | -2.572 |
| 12 | 10 | 1 | 19.122 | 21.089 | -21.089 | 0.0 | -1.966 | -0.605 |
| 13 | 10 | 1 | 10.822 | 5.094 | 5.094 | 0.0 | 5.728 | 1.262 |
| 14 | 10 | 1 | 16.162 | 19.424 | -19.424 | 0.0 | -3.258 | -0.869 |
| 15 | 10 | 1 | 6.226 | 3.613 | -3.613 | 0.0 | 2.612 | 0.423 |
| 17 | 10 | 1 | 8.223 | 0.228 | 0.228 | 0.0 | 7.995 | 1.341 |
| 18 | 10 | 1 | 12.922 | 13.323 | -13.323 | 0.0 | -0.401 | -0.088 |
| 20 | 9 | 1 | 9.412 | 8.142 | 8.142 | 0.0 | 1.270 | 0.234 |
| 19 | 9 | 1 | 20.886 | 23.189 | 23.189 | 0.0 | -2.303 | -0.714 |
| 18 | 9 | 1 | 18.661 | 22.140 | -22.140 | 0.0 | -3.179 | -0.929 |
| 17 | 9 | 1 | 26.958 | 26.531 | -26.531 | 0.0 | 0.427 | 0.171 |
| 16 | 9 | 1 | 13.701 | 14.174 | -14.174 | 0.0 | -0.473 | -0.115 |
| 14 | 9 | 1 | 26.252 | 23.273 | 23.273 | 0.0 | 2.979 | 1.490 |
| 12 | 9 | 1 | 53.348 | 56.095 | -56.095 | 0.0 | -2.746 | -1.658 |
| 11 | 9 | 1 | 68.896 | 67.551 | 67.551 | 0.0 | 1.344 | 0.896 |
| 10 | 9 | 1 | 63.478 | 63.334 | -63.334 | 0.0 | 0.144 | 0.097 |
| 9 | 9 | 1 | 73.678 | 73.195 | -73.195 | 0.0 | 0.503 | 0.225 |
| 8 | 9 | 1 | 37.970 | 36.201 | -36.201 | 0.0 | 1.769 | 1.166 |
| 0 | 6 | 0 | 337.594 | 354.231 | 354.231 | 0.0 | -16.638 | -2.765 |
| 7 | 9 | 1 | 22.179 | 21.817 | -21.817 | 0.0 | 0.362 | 0.166 |
| 6 | 9 | 1 | 28.533 | 30.422 | 30.422 | 0.0 | -1.889 | -1.003 |
| 5 | 9 | 1 | 32.697 | 32.574 | 32.574 | 0.0 | 0.123 | 0.076 |
| 3 | 9 | 1 | 33.227 | 33.470 | 33.470 | 0.0 | -0.243 | -0.154 |
| 2 | 9 | 1 | 57.048 | 58.024 | -58.024 | 0.0 | -0.976 | -0.717 |
| 1 | 9 | 1 | 42.469 | 43.085 | -43.085 | 0.0 | 0.385 | 0.258 |
| 0 | 8 | 1 | 25.076 | 25.142 | 25.142 | 0.0 | -0.066 | -0.039 |
| 1 | 8 | 1 | 6.281 | 6.515 | -6.515 | 0.0 | 1.766 | 0.428 |
| 2 | 8 | 1 | 66.564 | 68.674 | -68.674 | 0.0 | -2.110 | -1.562 |
| 3 | 8 | 1 | 102.922 | 107.807 | -107.807 | 0.0 | -4.885 | -2.794 |
| 4 | 8 | 1 | 87.500 | 86.871 | -86.871 | 0.0 | 0.630 | 0.405 |
| 5 | 8 | 1 | 61.906 | 60.184 | 60.184 | 0.0 | 1.722 | 1.253 |
| 6 | 8 | 1 | 13.921 | 10.306 | -10.306 | 0.0 | 3.615 | 1.237 |
| 7 | 8 | 1 | 48.074 | 47.701 | 47.701 | 0.0 | 0.375 | 0.287 |
| 8 | 8 | 1 | 78.450 | 76.739 | -76.739 | 0.0 | 1.710 | 1.147 |
| 9 | 8 | 1 | 43.572 | 42.330 | -42.330 | 0.0 | 1.242 | 0.896 |
| 10 | 8 | 1 | 21.033 | 19.856 | -19.856 | 0.0 | 1.176 | 0.530 |
| 11 | 8 | 1 | 24.885 | 27.325 | -27.325 | 0.0 | -2.440 | -1.160 |
| 12 | 8 | 1 | 37.587 | 38.140 | -38.140 | 0.0 | -0.554 | -0.342 |
| 0 | 6 | 0 | 337.917 | 354.231 | 354.231 | 0.0 | -16.314 | -2.710 |
| 13 | 8 | 1 | 51.797 | 49.370 | 49.370 | 0.0 | 2.427 | 1.711 |
| 15 | 8 | 1 | 45.018 | 47.530 | 47.530 | 0.0 | -2.511 | -1.533 |
| 16 | 8 | 1 | 41.980 | 43.278 | 43.278 | 0.0 | -1.298 | -0.733 |

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| H | K | L | F(DRS) | F(CALC) | A(FSIC) | R(CALC) | DFITA F | DFITA/STGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 17 | 8 | 1 | 30.710 | 30.384 | -30.284 | 0.0 | 0.227 | 0.148 |
| 18 | 8 | 1 | 21.517 | 23.695 | 23.685 | 0.0 | -0.168 | -0.063 |
| 19 | 8 | 1 | 14.685 | 15.255 | -15.255 | 0.0 | -0.570 | -0.155 |
| 20 | 8 | 1 | 18.872 | 21.067 | -21.067 | 0.0 | -2.195 | -0.682 |
| 21 | 8 | 1 | 17.139 | 6.442 | -6.442 | 0.0 | 10.697 | 3.483 * |
| 19 | 7 | 1 | 22.473 | 22.932 | -22.932 | 0.0 | -0.459 | -0.171 |
| 18 | 7 | 1 | 11.586 | 6.681 | 6.681 | 0.0 | 4.905 | 1.223 |
| 16 | 7 | 1 | 19.313 | 19.042 | 19.042 | 0.0 | 0.271 | 0.109 |
| 15 | 7 | 1 | 5.624 | 8.072 | -8.072 | 0.0 | -2.448 | -0.395 |
| 13 | 7 | 1 | 14.568 | 14.118 | 14.118 | 0.0 | 0.450 | 0.149 |
| 0 | 6 | 0 | 238.794 | 354.231 | 354.231 | 0.0 | -15.437 | -2.553 * |
| 12 | 7 | 1 | 16.877 | 18.488 | 18.488 | 0.0 | -1.511 | -0.509 |
| 11 | 7 | 1 | 20.286 | 22.550 | -22.550 | 0.0 | -2.164 | -0.714 |
| 10 | 7 | 1 | 19.287 | 17.455 | 17.455 | 0.0 | 1.932 | 0.870 |
| 9 | 7 | 1 | 41.655 | 43.502 | 43.502 | 0.0 | -1.847 | -1.305 |
| 8 | 7 | 1 | 30.857 | 38.116 | 38.116 | 0.0 | -4.258 | -2.494 |
| 7 | 7 | 1 | 11.321 | 5.066 | -5.066 | 0.0 | 6.255 | 1.952 |
| 6 | 7 | 1 | 8.223 | 11.007 | 11.007 | 0.0 | -2.795 | -0.620 |
| 5 | 7 | 1 | 21.474 | 22.223 | 22.223 | 0.0 | -0.746 | -0.340 |
| 4 | 7 | 1 | 25.914 | 27.387 | 27.387 | 0.0 | -1.473 | -0.842 |
| 3 | 7 | 1 | 27.223 | 29.957 | -29.957 | 0.0 | -2.734 | -1.499 |
| 2 | 7 | 1 | 15.787 | 17.878 | 17.878 | 0.0 | -2.092 | -0.765 |
| 0 | 6 | 1 | 4.023 | 0.671 | -0.671 | 0.0 | 3.352 | 0.602 |
| 1 | 6 | 1 | 8.414 | 0.959 | 0.959 | 0.0 | 7.454 | 2.089 |
| 3 | 6 | 1 | 26.753 | 26.977 | 26.977 | 0.0 | -0.224 | -0.141 |
| 4 | 6 | 1 | 7.239 | 12.194 | 12.194 | 0.0 | -4.925 | -1.092 |
| 6 | 6 | 1 | 13.231 | 8.779 | 8.779 | 0.0 | 4.452 | 1.612 |
| 7 | 6 | 1 | 12.026 | 11.245 | 11.245 | 0.0 | 0.742 | 0.235 |
| 0 | 6 | 0 | 238.794 | 354.231 | 354.231 | 0.0 | -17.437 | -2.901 * |
| 8 | 6 | 1 | 14.788 | 7.956 | -7.956 | 0.0 | 6.432 | 2.514 |
| 9 | 6 | 1 | 9.721 | 13.172 | 13.172 | 0.0 | -3.451 | -0.819 |
| 10 | 6 | 1 | 6.559 | 3.433 | 3.433 | 0.0 | 6.126 | 1.598 |
| 12 | 6 | 1 | 12.864 | 5.619 | -5.619 | 0.0 | 7.245 | 2.542 |
| 13 | 6 | 1 | 15.713 | 15.618 | -15.618 | 0.0 | 0.095 | 0.034 |
| 14 | 6 | 1 | 11.221 | 13.230 | -13.230 | 0.0 | -1.409 | -0.396 |
| 15 | 6 | 1 | 12.834 | 13.913 | -13.913 | 0.0 | -0.979 | -0.277 |
| 16 | 6 | 1 | 10.558 | 6.213 | -6.213 | 0.0 | 4.345 | 1.212 |
| 17 | 6 | 1 | 4.537 | 0.971 | 0.971 | 0.0 | 3.566 | 0.578 |
| 18 | 6 | 1 | 6.930 | 4.583 | 4.583 | 0.0 | 2.348 | 0.420 |
| 19 | 6 | 1 | 14.230 | 2.461 | -2.461 | 0.0 | 11.769 | 3.779 * |
| 20 | 6 | 1 | 12.486 | 12.882 | 12.882 | 0.0 | -0.385 | -0.094 |
| 22 | 6 | 1 | 9.296 | 1.391 | -1.391 | 0.0 | 7.845 | 1.992 |
| 24 | 6 | 1 | 14.347 | 3.158 | -3.158 | 0.0 | 11.179 | 2.898 * |
| 25 | 5 | 1 | 12.908 | 16.699 | -16.699 | 0.0 | -3.791 | -0.807 |
| 24 | 5 | 1 | 12.026 | 4.673 | -4.673 | 0.0 | 7.353 | 1.697 |
| 0 | 6 | 0 | 337.936 | 354.231 | 354.231 | 0.0 | -16.795 | -2.707 * |
| 21 | 5 | 1 | 20.180 | 23.584 | 23.584 | 0.0 | -3.403 | -1.130 |
| 20 | 5 | 1 | 13.606 | 3.684 | -3.684 | 0.0 | 10.222 | 3.479 * |
| 19 | 5 | 1 | 8.825 | 11.962 | 11.962 | 0.0 | -3.137 | -0.647 |
| 18 | 5 | 1 | 18.123 | 18.954 | -18.954 | 0.0 | -0.031 | -0.311 |
| 17 | 5 | 1 | 15.126 | 14.156 | -14.156 | 0.0 | 0.990 | 0.227 |
| 16 | 5 | 1 | 23.444 | 22.478 | 22.478 | 0.0 | 0.966 | 0.459 |
| 15 | 5 | 1 | 34.037 | 33.414 | -33.414 | 0.0 | 0.623 | 0.396 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/STGMA | |
|----|---|---|---------|---------|---------|---------|---------|-------------|---|
| 14 | 5 | 1 | 53.205 | 51.047 | 51.057 | 0.0 | 2.258 | 1.755 | |
| 13 | 5 | 1 | 30.019 | 30.756 | 30.756 | 0.0 | -0.737 | -0.482 | |
| 12 | 5 | 1 | 12.100 | 7.485 | 7.485 | 0.0 | 4.615 | 1.428 | |
| 10 | 5 | 1 | 35.672 | 35.024 | -35.024 | 0.0 | 0.647 | 0.435 | |
| 9 | 5 | 1 | 37.484 | 38.075 | -38.075 | 0.0 | -1.591 | -0.954 | |
| 8 | 5 | 1 | 32.050 | 31.967 | 31.967 | 0.0 | 0.182 | 0.128 | |
| 7 | 5 | 1 | 64.932 | 64.831 | -64.831 | 0.0 | 0.101 | 0.078 | |
| 6 | 5 | 1 | 59.506 | 59.943 | 59.943 | 0.0 | -0.337 | -0.274 | |
| 5 | 5 | 1 | 75.053 | 75.993 | 75.993 | 0.0 | -0.940 | -0.701 | |
| 4 | 5 | 1 | 28.047 | 31.342 | 31.342 | 0.0 | -3.295 | -2.262 | |
| 3 | 5 | 1 | 42.068 | 42.916 | 42.916 | 0.0 | -0.848 | -0.777 | |
| 0 | 6 | 0 | 337.004 | 354.231 | 354.231 | 0.0 | -17.228 | -2.965 | * |
| 2 | 5 | 1 | 61.387 | 65.381 | -65.381 | 0.0 | -3.994 | -3.327 | |
| 1 | 5 | 1 | 14.803 | 18.652 | -18.652 | 0.0 | -3.849 | -1.701 | |
| 0 | 4 | 1 | 8.149 | 3.907 | -3.907 | 0.0 | 4.242 | 1.740 | |
| 1 | 4 | 1 | 47.306 | 49.515 | -49.515 | 0.0 | -2.209 | -2.267 | |
| 2 | 4 | 1 | 75.604 | 72.703 | 72.703 | 0.0 | -3.100 | -2.449 | |
| 3 | 4 | 1 | 65.004 | 47.614 | 47.614 | 0.0 | -2.611 | -2.892 | |
| 4 | 4 | 1 | 46.869 | 50.015 | -50.015 | 0.0 | -3.186 | -2.979 | |
| 5 | 4 | 1 | 81.269 | 83.275 | -83.275 | 0.0 | -2.006 | -1.461 | |
| 6 | 4 | 1 | 26.605 | 29.970 | -29.970 | 0.0 | -3.365 | -2.283 | |
| 7 | 4 | 1 | 32.874 | 34.371 | -34.371 | 0.0 | -1.497 | -1.240 | |
| 8 | 4 | 1 | 12.555 | 12.735 | -12.735 | 0.0 | -0.180 | -0.068 | |
| 9 | 4 | 1 | 6.505 | 7.686 | -7.686 | 0.0 | -1.182 | -0.263 | |
| 10 | 4 | 1 | 10.337 | 4.037 | -4.037 | 0.0 | 6.300 | 1.950 | |
| 11 | 4 | 1 | 16.595 | 11.490 | 11.490 | 0.0 | 5.104 | 2.158 | |
| 12 | 4 | 1 | 7.297 | 8.814 | -8.814 | 0.0 | -1.516 | -0.313 | |
| 13 | 4 | 1 | 5.433 | 11.877 | -11.877 | 0.0 | -6.444 | -1.100 | |
| 14 | 4 | 1 | 28.753 | 26.255 | -26.255 | 0.0 | 2.499 | 1.649 | |
| 15 | 4 | 1 | 21.209 | 15.498 | -15.498 | 0.0 | 5.712 | 3.099 | |
| 16 | 4 | 1 | 35.581 | 34.488 | -34.488 | 0.0 | 1.493 | 0.965 | |
| 17 | 4 | 1 | 30.519 | 33.364 | -33.364 | 0.0 | -2.845 | -1.534 | |
| 0 | 6 | 0 | 336.224 | 354.231 | 354.231 | 0.0 | -18.008 | -3.908 | * |
| 18 | 4 | 1 | 27.900 | 28.566 | -28.566 | 0.0 | -0.666 | -0.365 | |
| 19 | 4 | 1 | 15.713 | 11.008 | -11.008 | 0.0 | 4.705 | 1.677 | |
| 21 | 4 | 1 | 16.081 | 14.491 | -14.491 | 0.0 | 1.590 | 0.515 | |
| 22 | 4 | 1 | 36.070 | 34.838 | -34.838 | 0.0 | 1.232 | 0.734 | |
| 23 | 4 | 1 | 32.506 | 32.187 | -32.187 | 0.0 | 0.319 | 0.146 | |
| 24 | 4 | 1 | 18.152 | 19.767 | -19.767 | 0.0 | -1.615 | -0.449 | |
| 25 | 4 | 1 | 21.562 | 26.420 | -26.420 | 0.0 | -4.858 | -1.523 | |
| 26 | 3 | 1 | 24.576 | 22.269 | -22.269 | 0.0 | 2.307 | 0.872 | |
| 25 | 3 | 1 | 23.209 | 25.813 | -25.813 | 0.0 | -2.604 | -0.918 | |
| 24 | 3 | 1 | 20.313 | 27.231 | -27.231 | 0.0 | -6.919 | -2.056 | |
| 23 | 3 | 1 | 32.452 | 34.270 | -34.270 | 0.0 | -1.818 | -0.879 | |
| 22 | 3 | 1 | 68.399 | 65.194 | -65.194 | 0.0 | -3.204 | -0.525 | |
| 21 | 3 | 1 | 60.721 | 60.581 | 60.581 | 0.0 | 0.140 | 0.082 | |
| 20 | 3 | 1 | 11.483 | 13.496 | -13.496 | 0.0 | -2.013 | -0.486 | |
| 19 | 3 | 1 | 40.697 | 43.181 | -43.181 | 0.0 | -2.485 | -1.518 | |
| 18 | 3 | 1 | 64.116 | 63.679 | -63.679 | 0.0 | 0.437 | 0.317 | |
| 17 | 3 | 1 | 84.330 | 85.170 | -85.170 | 0.0 | -0.839 | -0.540 | |
| 16 | 3 | 1 | 24.414 | 21.034 | -21.034 | 0.0 | 2.381 | 1.955 | |
| 0 | 6 | 0 | 337.765 | 354.231 | 354.231 | 0.0 | -16.467 | -2.736 | * |
| 15 | 3 | 1 | 22.591 | 22.600 | -22.600 | 0.0 | -0.009 | -0.004 | |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA | |
|----|---|---|---------|---------|----------|---------|---------|-------------|--|
| 14 | 3 | 1 | 62.959 | 62.538 | 62.538 | 0.0 | 0.421 | 0.312 | |
| 13 | 3 | 1 | 19.901 | 23.448 | 23.448 | 0.0 | -3.547 | -1.471 | |
| 12 | 3 | 1 | 135.083 | 134.902 | -134.902 | 0.0 | 0.181 | 0.083 | |
| 11 | 3 | 1 | 204.771 | 202.550 | 202.550 | 0.0 | 2.221 | 0.667 | |
| 10 | 3 | 1 | 192.417 | 190.706 | -190.706 | 0.0 | 1.711 | 0.552 | |
| 9 | 3 | 1 | 165.296 | 164.287 | -164.287 | 0.0 | 1.009 | 0.383 | |
| 8 | 3 | 1 | 66.231 | 65.465 | -65.465 | 0.0 | 1.266 | 1.136 | |
| 7 | 3 | 1 | 77.132 | 76.170 | -76.170 | 0.0 | 1.162 | 0.886 | |
| 6 | 3 | 1 | 174.194 | 171.975 | 171.975 | 0.0 | 2.218 | 0.802 | |
| 5 | 3 | 1 | 166.505 | 165.813 | 165.813 | 0.0 | 0.692 | 0.262 | |
| 4 | 3 | 1 | 52.876 | 48.947 | 48.947 | 0.0 | 3.930 | 3.967 | |
| 3 | 3 | 1 | 63.745 | 68.345 | 68.345 | 0.0 | -4.600 | -4.192 | |
| 2 | 3 | 1 | 155.151 | 165.542 | -165.542 | 0.0 | -10.391 | -4.250 * | |
| 1 | 3 | 1 | 178.326 | 192.856 | -192.856 | 0.0 | -14.529 | -5.146 * | |
| 0 | 2 | 1 | 50.718 | 54.704 | 54.704 | 0.0 | -3.986 | -4.214 | |
| 1 | 2 | 1 | 13.231 | 15.164 | 15.164 | 0.0 | -1.933 | -1.125 | |
| 2 | 2 | 1 | 130.759 | 134.681 | -134.681 | 0.0 | -3.922 | -1.912 | |
| 3 | 2 | 1 | 156.070 | 157.626 | -157.626 | 0.0 | -1.554 | -0.635 | |
| 4 | 2 | 1 | 140.667 | 142.737 | -142.737 | 0.0 | -2.070 | -0.939 | |
| 0 | 6 | 0 | 338.756 | 354.231 | 354.231 | 0.0 | -15.476 | -2.559 * | |
| 5 | 2 | 1 | 136.223 | 135.405 | 135.405 | 0.0 | -1.182 | -0.562 | |
| 6 | 2 | 1 | 8.002 | 14.390 | -14.390 | 0.0 | -6.388 | -2.430 | |
| 7 | 2 | 1 | 103.977 | 102.316 | 102.316 | 0.0 | 1.661 | 1.001 | |
| 8 | 2 | 1 | 106.542 | 105.152 | 105.152 | 0.0 | 1.390 | 0.815 | |
| 9 | 2 | 1 | 61.758 | 60.942 | -60.942 | 0.0 | 0.816 | 0.706 | |
| 10 | 2 | 1 | 29.018 | 26.181 | 26.181 | 0.0 | 2.837 | 2.268 | |
| 11 | 2 | 1 | 47.646 | 49.498 | -49.498 | 0.0 | -1.852 | -1.493 | |
| 12 | 2 | 1 | 61.136 | 60.725 | -60.725 | 0.0 | 0.410 | 0.326 | |
| 13 | 2 | 1 | 58.765 | 58.534 | 58.534 | 0.0 | 0.261 | 0.205 | |
| 14 | 2 | 1 | 2.511 | 8.500 | 8.500 | 0.0 | -5.989 | -0.787 | |
| 15 | 2 | 1 | 52.507 | 50.794 | 50.794 | 0.0 | 1.713 | 1.273 | |
| 16 | 2 | 1 | 67.440 | 66.714 | 66.714 | 0.0 | 0.726 | 0.532 | |
| 17 | 2 | 1 | 55.982 | 55.470 | -55.470 | 0.0 | 0.512 | 0.385 | |
| 18 | 2 | 1 | 37.675 | 36.256 | 36.256 | 0.0 | 1.419 | 0.944 | |
| 19 | 2 | 1 | 16.933 | 12.097 | -12.097 | 0.0 | 4.835 | 2.044 | |
| 20 | 2 | 1 | 19.563 | 17.376 | -17.376 | 0.0 | 2.188 | 0.913 | |
| 21 | 2 | 1 | 13.954 | 8.333 | -8.333 | 0.0 | 5.221 | 1.566 | |
| 22 | 2 | 1 | 38.884 | 40.170 | 40.170 | 0.0 | -1.286 | -0.759 | |
| 23 | 2 | 1 | 54.000 | 55.622 | 55.622 | 0.0 | -1.622 | -1.016 | |
| 24 | 2 | 1 | 38.515 | 40.325 | 40.325 | 0.0 | -1.809 | -0.937 | |
| 0 | 6 | 0 | 338.127 | 354.231 | 354.231 | 0.0 | -16.104 | -2.666 * | |
| 25 | 2 | 1 | 41.419 | 43.221 | -43.221 | 0.0 | -1.802 | -0.266 | |
| 26 | 2 | 1 | 24.899 | 23.862 | 23.862 | 0.0 | 1.038 | 0.420 | |
| 27 | 2 | 1 | 12.438 | 5.350 | -5.350 | 0.0 | 7.088 | 1.787 | |
| 26 | 1 | 1 | 7.797 | 14.883 | -14.883 | 0.0 | -7.086 | -1.072 | |
| 25 | 1 | 1 | 8.267 | 10.206 | -10.206 | 0.0 | -1.940 | -0.354 | |
| 22 | 1 | 1 | 8.208 | 4.321 | -4.321 | 0.0 | 3.887 | 0.846 | |
| 21 | 1 | 1 | 20.559 | 15.535 | 15.535 | 0.0 | 5.625 | 2.494 | |
| 20 | 1 | 1 | 3.083 | 5.594 | -5.594 | 0.0 | -2.511 | -0.332 | |
| 19 | 1 | 1 | 9.441 | 7.012 | -7.012 | 0.0 | 2.429 | 0.606 | |
| 18 | 1 | 1 | 1.145 | 6.257 | -6.257 | 0.0 | -5.112 | -0.584 | |
| 17 | 1 | 1 | 5.726 | 7.081 | -7.081 | 0.0 | -1.356 | -0.253 | |
| 16 | 1 | 1 | 32.609 | 35.654 | 35.654 | 0.0 | -3.045 | -1.970 | |

| H | K | L | F(RBS) | F(CALC) | A(CALC) | P(CALC) | DELTA F | DELTA/STGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 15 | 1 | 1 | 30.725 | 29.424 | -29.424 | 0.0 | 1.301 | 0.782 |
| 14 | 1 | 1 | 39.488 | 38.969 | 38.969 | 0.0 | 0.519 | 0.392 |
| 13 | 1 | 1 | 31.988 | 33.032 | 33.032 | 0.0 | -1.164 | -0.777 |
| 12 | 1 | 1 | 10.308 | 11.627 | 11.627 | 0.0 | -1.319 | -0.389 |
| 11 | 1 | 1 | 21.018 | 16.411 | -16.411 | 0.0 | 4.607 | 3.014 |
| 10 | 6 | 0 | 336.281 | 354.231 | 354.231 | 0.0 | -17.951 | -7.999 |
| 10 | 1 | 1 | 16.228 | 21.911 | -21.911 | 0.0 | -5.684 | -2.632 |
| 9 | 1 | 1 | 8.531 | 2.099 | -2.099 | 0.0 | 6.432 | 2.212 |
| 8 | 1 | 1 | 48.665 | 48.357 | 48.357 | 0.0 | 0.308 | 0.316 |
| 7 | 1 | 1 | 55.183 | 54.195 | -54.195 | 0.0 | 0.988 | 0.982 |
| 6 | 1 | 1 | 55.494 | 56.577 | 56.577 | 0.0 | -1.083 | -1.077 |
| 5 | 1 | 1 | 87.785 | 86.569 | 86.569 | 0.0 | 1.215 | 0.864 |
| 4 | 1 | 1 | 58.543 | 57.352 | 57.352 | 0.0 | 1.191 | 1.149 |
| 3 | 1 | 1 | 8.208 | 10.358 | 10.358 | 0.0 | -2.150 | -0.941 |
| 2 | 1 | 1 | 40.284 | 40.194 | -40.194 | 0.0 | 0.180 | 0.207 |
| 1 | 1 | 1 | 14.142 | 13.514 | -13.514 | 0.0 | 0.629 | 0.450 |
| 0 | 0 | 2 | 4.464 | 1.853 | 1.853 | 0.0 | 2.611 | 0.735 |
| 1 | 0 | 2 | 115.366 | 115.890 | 115.890 | 0.0 | -0.524 | -0.290 |
| 2 | 0 | 2 | 170.580 | 169.085 | -169.085 | 0.0 | 1.494 | 0.555 |
| 3 | 0 | 2 | 208.774 | 214.704 | 214.704 | 0.0 | -5.930 | -1.765 |
| 4 | 0 | 2 | 39.149 | 39.491 | -39.491 | 0.0 | -0.332 | -0.358 |
| 5 | 0 | 2 | 248.728 | 246.318 | -246.318 | 0.0 | 2.410 | 0.588 |
| 7 | 0 | 2 | 201.689 | 196.873 | -196.873 | 0.0 | 4.816 | 1.679 |
| 8 | 0 | 2 | 42.867 | 42.862 | 42.862 | 0.0 | -0.175 | -0.184 |
| 9 | 0 | 2 | 185.087 | 180.069 | 180.069 | 0.0 | 5.018 | 1.691 |
| 0 | 6 | 0 | 336.775 | 354.231 | 354.231 | 0.0 | -17.456 | -2.904 |
| 10 | 0 | 2 | 2.760 | 7.415 | 7.415 | 0.0 | -4.655 | -0.694 |
| 11 | 0 | 2 | 207.161 | 204.213 | 204.213 | 0.0 | 2.948 | 0.875 |
| 12 | 0 | 2 | 11.013 | 8.426 | -8.426 | 0.0 | 2.587 | 0.750 |
| 13 | 0 | 2 | 71.586 | 72.788 | -72.788 | 0.0 | -1.202 | -0.860 |
| 15 | 0 | 2 | 83.180 | 83.646 | -83.646 | 0.0 | -0.466 | -0.306 |
| 16 | 0 | 2 | 21.033 | 25.122 | 25.122 | 0.0 | -4.089 | -1.717 |
| 17 | 0 | 2 | 92.894 | 94.622 | 94.622 | 0.0 | -1.728 | -1.038 |
| 18 | 0 | 2 | 41.169 | 41.656 | 41.656 | 0.0 | -0.488 | -0.331 |
| 19 | 0 | 2 | 45.328 | 49.146 | 49.146 | 0.0 | -3.818 | -2.441 |
| 21 | 0 | 2 | 33.698 | 32.609 | -32.609 | 0.0 | 1.090 | 0.612 |
| 22 | 0 | 2 | 74.606 | 77.962 | 77.962 | 0.0 | -3.356 | -1.960 |
| 23 | 0 | 2 | 98.977 | 103.100 | -103.100 | 0.0 | -4.123 | -2.210 |
| 25 | 0 | 2 | 42.186 | 45.375 | 45.375 | 0.0 | -3.189 | -1.638 |
| 26 | 0 | 2 | 23.895 | 23.755 | 23.755 | 0.0 | 0.101 | 0.035 |
| 26 | 1 | 2 | 4.067 | 4.915 | 4.915 | 0.0 | -0.848 | -0.109 |
| 25 | 1 | 2 | 22.018 | 16.064 | 16.064 | 0.0 | 5.954 | 2.355 |
| 24 | 1 | 2 | 23.855 | 25.237 | 25.237 | 0.0 | -1.382 | -0.531 |
| 0 | 6 | 0 | 337.270 | 354.231 | 354.231 | 0.0 | -16.962 | -2.820 |
| 23 | 1 | 2 | 41.335 | 41.604 | 41.604 | 0.0 | 0.261 | 0.200 |
| 22 | 1 | 2 | 18.446 | 16.930 | 16.930 | 0.0 | 1.516 | 0.518 |
| 21 | 1 | 2 | 16.316 | 13.963 | -13.963 | 0.0 | 2.353 | 0.809 |
| 20 | 1 | 2 | 17.947 | 15.932 | 15.932 | 0.0 | 2.015 | 0.753 |
| 19 | 1 | 2 | 20.710 | 16.031 | -16.031 | 0.0 | 4.679 | 2.226 |
| 18 | 1 | 2 | 7.400 | 1.768 | -1.768 | 0.0 | 5.632 | 1.166 |
| 17 | 1 | 2 | 68.420 | 69.031 | 69.031 | 0.0 | -0.611 | -0.438 |
| 16 | 1 | 2 | 53.703 | 54.599 | -54.599 | 0.0 | -0.896 | -0.606 |
| 15 | 1 | 2 | 15.390 | 13.382 | 13.382 | 0.0 | 2.008 | 0.772 |

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| H | K | L | F(PDS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 14 | 1 | 2 | 11.101 | 6.040 | 6.040 | 0.0 | 5.061 | 1.448 |
| 13 | 1 | 2 | 10.793 | 4.536 | 4.536 | 0.0 | 6.256 | 1.775 |
| 12 | 1 | 2 | 116.352 | 115.090 | -115.890 | 0.0 | 0.455 | 0.238 |
| 11 | 1 | 2 | 110.327 | 110.327 | -110.327 | 0.0 | 0.000 | 0.005 |
| 10 | 1 | 2 | 21.251 | 21.251 | -21.251 | 0.0 | 0.722 | 0.393 |
| 9 | 1 | 2 | 78.748 | 79.662 | -79.662 | 0.0 | -0.915 | -0.660 |
| 8 | 1 | 2 | 62.218 | 63.316 | -63.316 | 0.0 | -1.098 | -0.726 |
| 7 | 1 | 2 | 42.812 | 42.812 | 42.812 | 0.0 | 0.775 | 0.740 |
| 6 | 1 | 2 | 5.835 | 5.835 | 5.835 | 0.0 | -0.769 | -0.200 |
| 5 | 1 | 2 | 107.423 | 104.442 | -104.442 | 0.0 | 2.981 | 1.752 |
| 4 | 1 | 2 | 46.803 | 41.944 | 41.944 | 0.0 | 4.949 | 5.239 |
| 0 | 6 | 0 | 336.659 | 354.231 | 354.231 | 0.0 | -17.532 | -2.927 * |
| 3 | 1 | 2 | 55.701 | 58.873 | -58.873 | 0.0 | -3.172 | -3.107 |
| 2 | 1 | 2 | 24.488 | 23.999 | -23.999 | 0.0 | 0.489 | 0.482 |
| 1 | 1 | 2 | 60.487 | 61.790 | -61.790 | 0.0 | -0.803 | -0.753 |
| 0 | 2 | 2 | 7.822 | 7.822 | 7.822 | 0.0 | 1.194 | 0.553 |
| 1 | 2 | 2 | 34.803 | 37.558 | 37.558 | 0.0 | -2.755 | -2.970 |
| 2 | 2 | 2 | 6.828 | 2.408 | -2.408 | 0.0 | 4.420 | 1.601 |
| 3 | 2 | 2 | 73.728 | 71.682 | -71.682 | 0.0 | 2.046 | 1.656 |
| 4 | 2 | 2 | 11.733 | 7.948 | 7.948 | 0.0 | 3.785 | 1.982 |
| 5 | 2 | 2 | 29.342 | 28.409 | -28.409 | 0.0 | 0.933 | 0.857 |
| 6 | 2 | 2 | 65.540 | 61.518 | -61.518 | 0.0 | 4.022 | 3.475 |
| 7 | 2 | 2 | 56.391 | 95.205 | -95.205 | 0.0 | 1.186 | 0.752 |
| 8 | 2 | 2 | 1.865 | 2.250 | -2.250 | 0.0 | -0.386 | -0.058 |
| 9 | 2 | 2 | 74.591 | 73.079 | -73.079 | 0.0 | 1.512 | 1.128 |
| 10 | 2 | 2 | 29.003 | 31.285 | 31.285 | 0.0 | -2.282 | -1.410 |
| 11 | 2 | 2 | 24.873 | 19.896 | -19.896 | 0.0 | 5.077 | 3.056 |
| 12 | 2 | 2 | 8.384 | 15.989 | -15.989 | 0.0 | -7.604 | -1.608 |
| 13 | 2 | 2 | 39.532 | 35.938 | -35.938 | 0.0 | 3.594 | 2.567 |
| 14 | 2 | 2 | 18.094 | 18.549 | -18.549 | 0.0 | -0.455 | -0.185 |
| 15 | 2 | 2 | 36.250 | 38.555 | -38.555 | 0.0 | -2.265 | -1.585 |
| 16 | 2 | 2 | 10.925 | 6.138 | -6.138 | 0.0 | 4.787 | 1.423 |
| 0 | 6 | 0 | 337.136 | 354.231 | 354.231 | 0.0 | -17.095 | -2.863 |
| 17 | 2 | 2 | 18.799 | 18.344 | -18.344 | 0.0 | 0.455 | 0.190 |
| 18 | 2 | 2 | 41.527 | 43.721 | -43.721 | 0.0 | -2.194 | -1.371 |
| 19 | 2 | 2 | 40.992 | 43.252 | -43.252 | 0.0 | -2.260 | -1.446 |
| 20 | 2 | 2 | 8.458 | 0.995 | 0.995 | 0.0 | 7.463 | 1.578 |
| 21 | 2 | 2 | 18.799 | 21.059 | -21.059 | 0.0 | -2.260 | -0.729 |
| 22 | 2 | 2 | 15.743 | 21.729 | -21.729 | 0.0 | -5.986 | -1.650 |
| 24 | 2 | 2 | 11.512 | 2.186 | -2.186 | 0.0 | 9.326 | 2.167 |
| 24 | 3 | 2 | 4.508 | 6.002 | -6.002 | 0.0 | -1.494 | -0.200 |
| 22 | 3 | 2 | 7.165 | 3.714 | -3.714 | 0.0 | 3.451 | 0.637 |
| 20 | 3 | 2 | 12.364 | 5.223 | -5.223 | 0.0 | 7.141 | 2.009 |
| 19 | 3 | 2 | 8.428 | 11.882 | -11.882 | 0.0 | -3.454 | -0.686 |
| 18 | 3 | 2 | 10.293 | 4.662 | -4.662 | 0.0 | 5.631 | 1.431 |
| 16 | 3 | 2 | 10.469 | 6.952 | 6.952 | 0.0 | 3.546 | 0.958 |
| 0 | 6 | 0 | 338.527 | 354.231 | 354.231 | 0.0 | -15.704 | -2.598 * |
| 15 | 3 | 2 | 14.274 | 16.506 | -16.506 | 0.0 | -2.232 | -0.756 |
| 13 | 3 | 2 | 10.910 | 2.850 | -2.850 | 0.0 | 8.061 | 2.439 |
| 11 | 3 | 2 | 6.137 | 7.528 | -7.528 | 0.0 | -1.390 | -0.272 |
| 10 | 3 | 2 | 11.204 | 3.806 | -3.806 | 0.0 | 7.398 | 2.387 |
| 9 | 3 | 2 | 21.136 | 17.140 | -17.140 | 0.0 | 3.996 | 2.247 |
| 8 | 3 | 2 | 16.771 | 15.038 | -15.038 | 0.0 | 1.734 | 0.776 |

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| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 7 | 3 | 2 | 11.777 | 6.538 | -6.538 | 0.0 | 5.238 | 1.992 |
| 6 | 3 | 2 | 4.816 | 7.211 | 7.211 | 0.0 | -2.396 | -0.523 |
| 5 | 3 | 2 | 20.357 | 19.757 | 19.757 | 0.0 | 0.599 | 0.385 |
| 4 | 3 | 2 | 45.727 | 42.054 | -42.054 | 0.0 | 3.673 | 3.660 |
| 3 | 3 | 2 | 38.604 | 37.310 | -37.310 | 0.0 | 1.294 | 1.245 |
| 2 | 3 | 2 | 8.149 | -5.105 | -5.105 | 0.0 | 3.044 | 1.074 |
| 1 | 4 | 2 | 31.093 | 32.825 | 32.825 | 0.0 | -1.732 | -1.401 |
| 2 | 4 | 2 | 67.618 | 69.099 | 69.099 | 0.0 | -1.481 | -1.202 |
| 3 | 4 | 2 | 36.202 | 36.930 | -36.930 | 0.0 | -0.728 | -0.626 |
| 4 | 4 | 2 | 5.433 | 8.114 | 8.114 | 0.0 | -2.681 | -0.593 |
| 0 | 6 | 0 | 337.156 | 354.231 | 354.231 | 0.0 | -17.076 | -2.839 |
| 5 | 4 | 2 | 5.477 | 11.135 | -11.135 | 0.0 | -5.658 | -1.137 |
| 6 | 4 | 2 | 32.064 | 30.448 | 30.448 | 0.0 | 1.616 | 1.234 |
| 7 | 4 | 2 | 38.913 | 40.747 | -40.747 | 0.0 | -1.834 | -1.430 |
| 8 | 4 | 2 | 11.263 | 0.777 | 0.777 | 0.0 | 10.486 | 3.552 |
| 9 | 4 | 2 | 10.749 | 8.240 | -8.240 | 0.0 | 2.509 | 0.739 |
| 10 | 4 | 2 | 17.080 | 16.896 | -16.896 | 0.0 | 0.184 | 0.074 |
| 11 | 4 | 2 | 18.652 | 16.541 | 16.541 | 0.0 | 2.111 | 0.533 |
| 12 | 4 | 2 | 16.463 | 5.108 | -5.108 | 0.0 | 11.355 | 5.187 |
| 13 | 4 | 2 | 9.295 | 4.860 | -4.860 | 0.0 | 4.435 | 1.198 |
| 14 | 4 | 2 | 20.930 | 20.503 | -20.503 | 0.0 | 0.427 | 0.196 |
| 16 | 4 | 2 | 7.547 | 10.759 | -10.759 | 0.0 | -3.212 | -0.647 |
| 17 | 4 | 2 | 19.034 | 15.793 | -15.793 | 0.0 | 3.241 | 1.423 |
| 18 | 4 | 2 | 20.166 | 18.526 | -18.526 | 0.0 | 1.640 | 0.672 |
| 19 | 4 | 2 | 13.862 | 9.868 | 9.868 | 0.0 | 3.995 | 1.242 |
| 20 | 4 | 2 | 15.816 | 1.365 | 1.365 | 0.0 | 14.451 | 5.405 |
| 21 | 4 | 2 | 13.124 | 0.232 | -0.232 | 0.0 | 12.892 | 3.826 |
| 22 | 4 | 2 | 18.240 | 15.716 | -15.716 | 0.0 | 2.523 | 1.249 |
| 0 | 6 | 0 | 337.936 | 354.231 | 354.231 | 0.0 | -16.295 | -2.707 |
| 24 | 5 | 2 | 9.207 | -3.557 | -3.557 | 0.0 | 5.650 | 0.997 |
| 23 | 5 | 2 | 36.128 | 32.552 | -32.552 | 0.0 | 3.576 | 1.990 |
| 22 | 5 | 2 | 18.987 | 18.985 | -18.985 | 0.0 | -0.098 | -0.031 |
| 21 | 5 | 2 | 28.547 | 28.285 | 28.285 | 0.0 | 0.262 | 0.119 |
| 19 | 5 | 2 | 29.077 | 29.537 | 29.537 | 0.0 | -0.461 | -0.234 |
| 18 | 5 | 2 | 15.772 | 4.011 | 4.011 | 0.0 | 11.761 | 4.654 |
| 17 | 5 | 2 | 59.254 | 59.182 | -59.182 | 0.0 | 0.072 | 0.047 |
| 16 | 5 | 2 | 25.091 | 24.606 | 24.606 | 0.0 | 0.484 | 0.224 |
| 15 | 5 | 2 | 40.053 | 39.492 | -39.492 | 0.0 | 0.571 | 0.408 |
| 14 | 5 | 2 | 7.224 | -1.848 | -1.848 | 0.0 | 5.376 | 1.126 |
| 13 | 5 | 2 | 37.587 | 38.195 | 38.195 | 0.0 | -0.608 | -0.303 |
| 12 | 5 | 2 | 77.406 | 78.175 | 78.175 | 0.0 | -0.768 | -0.532 |
| 11 | 5 | 2 | 51.484 | 51.776 | 51.776 | 0.0 | -0.292 | -0.190 |
| 10 | 5 | 2 | 21.671 | 23.192 | 23.192 | 0.0 | -1.521 | -0.587 |
| 9 | 5 | 2 | 133.778 | 133.606 | -133.606 | 0.0 | 0.173 | 0.079 |
| 8 | 5 | 2 | 81.164 | 81.155 | 81.155 | 0.0 | 0.009 | 0.006 |
| 7 | 5 | 2 | 59.150 | 58.841 | -58.841 | 0.0 | 0.310 | 0.263 |
| 6 | 5 | 2 | 22.224 | 20.428 | -20.428 | 0.0 | 1.795 | 1.009 |
| 0 | 6 | 0 | 338.336 | 354.231 | 354.231 | 0.0 | -15.895 | -2.630 |
| 5 | 5 | 2 | 70.571 | 80.504 | 80.504 | 0.0 | -0.934 | -0.373 |
| 4 | 5 | 2 | 12.878 | 14.242 | 14.242 | 0.0 | -1.364 | -0.471 |
| 3 | 5 | 2 | 129.014 | 131.374 | 131.374 | 0.0 | -2.360 | -1.134 |
| 2 | 5 | 2 | 12.144 | 0.309 | 0.309 | 0.0 | 2.835 | 1.005 |
| 1 | 5 | 2 | 63.997 | 65.467 | -65.468 | 0.0 | -1.471 | -1.190 |

| H | K | L | F(OPS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 0 | 6 | 2 | 16.742 | 14.682 | 14.682 | 0.0 | 2.059 | 0.871 |
| 1 | 6 | 2 | 31.001 | 33.193 | 33.193 | 0.0 | -1.202 | -0.736 |
| 2 | 6 | 2 | 121.917 | 126.726 | -126.726 | 0.0 | -4.808 | -2.410 |
| 3 | 6 | 2 | 143.259 | 149.545 | 149.545 | 0.0 | -6.287 | -2.715 |
| 4 | 6 | 2 | 21.121 | 20.004 | -20.004 | 0.0 | 1.118 | 0.543 |
| 5 | 6 | 2 | 107.584 | 105.523 | -109.633 | 0.0 | -2.060 | -1.140 |
| 7 | 6 | 2 | 95.370 | 98.030 | -98.030 | 0.0 | -2.660 | -1.556 |
| 8 | 6 | 2 | 14.491 | 14.146 | 14.146 | 0.0 | 0.745 | 0.267 |
| 9 | 6 | 2 | 120.973 | 120.977 | 120.977 | 0.0 | -0.004 | -0.002 |
| 10 | 6 | 2 | 33.124 | 30.503 | 30.503 | 0.0 | 2.621 | 1.855 |
| 11 | 6 | 2 | 93.779 | 91.833 | 91.833 | 0.0 | 1.946 | 1.179 |
| 12 | 6 | 2 | 12.702 | 8.739 | -8.739 | 0.0 | 2.963 | 1.297 |
| 13 | 6 | 2 | 38.206 | 37.204 | -37.204 | 0.0 | 1.002 | 0.635 |
| 14 | 6 | 2 | 14.438 | 12.331 | 12.331 | 0.0 | 2.207 | 0.763 |
| 0 | 6 | 0 | 340.245 | 354.231 | 354.231 | 0.0 | -13.986 | -2.301 |
| 15 | 6 | 2 | 51.029 | 52.707 | -52.707 | 0.0 | -1.678 | -1.114 |
| 16 | 6 | 2 | 16.110 | 20.159 | 20.159 | 0.0 | -4.049 | -1.209 |
| 17 | 6 | 2 | 47.528 | 46.558 | 46.558 | 0.0 | 0.970 | 0.570 |
| 18 | 6 | 2 | 15.478 | 16.127 | 16.127 | 0.0 | -0.649 | -0.198 |
| 19 | 6 | 2 | 40.549 | 38.567 | 38.567 | 0.0 | 1.982 | 1.245 |
| 21 | 6 | 2 | 26.238 | 25.499 | -25.499 | 0.0 | 0.739 | 0.322 |
| 22 | 6 | 2 | 48.059 | 47.876 | 47.876 | 0.0 | 0.183 | 0.104 |
| 23 | 6 | 2 | 58.069 | 62.261 | -62.261 | 0.0 | -4.191 | -2.340 |
| 22 | 7 | 2 | 13.657 | 11.372 | 11.372 | 0.0 | 2.285 | 0.554 |
| 21 | 7 | 2 | 7.297 | 10.169 | 10.169 | 0.0 | -2.872 | -0.655 |
| 19 | 7 | 2 | 12.805 | 2.186 | 2.186 | 0.0 | 10.619 | 2.903 |
| 18 | 7 | 2 | 11.336 | 3.775 | -3.775 | 0.0 | 7.561 | 1.826 |
| 16 | 7 | 2 | 21.018 | 19.119 | -19.119 | 0.0 | 1.899 | 0.765 |
| 13 | 7 | 2 | 20.665 | 23.980 | 23.980 | 0.0 | -3.314 | -1.274 |
| 12 | 7 | 2 | 47.454 | 44.631 | -44.631 | 0.0 | 2.823 | 2.056 |
| 0 | 6 | 0 | 339.061 | 354.231 | 354.231 | 0.0 | -15.170 | -2.508 |
| 11 | 7 | 2 | 18.034 | 17.185 | -17.185 | 0.0 | 1.849 | 0.749 |
| 10 | 7 | 2 | 13.848 | 6.880 | -6.880 | 0.0 | 6.968 | 2.420 |
| 9 | 7 | 2 | 17.418 | 12.399 | 12.399 | 0.0 | 5.018 | 2.262 |
| 8 | 7 | 2 | 45.584 | 48.022 | -48.022 | 0.0 | -2.428 | -1.750 |
| 7 | 7 | 2 | 31.814 | 32.521 | -32.521 | 0.0 | -0.707 | -0.471 |
| 5 | 7 | 2 | 11.028 | 15.118 | 15.118 | 0.0 | -4.090 | -1.146 |
| 4 | 7 | 2 | 32.756 | 33.658 | -33.658 | 0.0 | -0.902 | -0.584 |
| 3 | 7 | 2 | 20.357 | 22.105 | -22.105 | 0.0 | -1.748 | -0.838 |
| 2 | 7 | 2 | 14.274 | 5.716 | -5.716 | 0.0 | 8.558 | 3.166 |
| 1 | 7 | 2 | 15.258 | 8.308 | -8.308 | 0.0 | 6.950 | 2.658 |
| 0 | 8 | 2 | 8.663 | 2.942 | 2.942 | 0.0 | 5.721 | 1.381 |
| 1 | 8 | 2 | 47.498 | 48.318 | 48.318 | 0.0 | -0.819 | -0.603 |
| 2 | 8 | 2 | 17.726 | 17.890 | 17.890 | 0.0 | -0.164 | -0.067 |
| 3 | 8 | 2 | 30.799 | 31.901 | 31.901 | 0.0 | -1.103 | -0.630 |
| 5 | 8 | 2 | 35.613 | 34.035 | -34.035 | 0.0 | 1.578 | 1.050 |
| 6 | 8 | 2 | 16.992 | 16.847 | 16.847 | 0.0 | 0.144 | 0.054 |
| 7 | 8 | 2 | 50.556 | 49.129 | -49.124 | 0.0 | 1.432 | 1.042 |
| 8 | 8 | 2 | 10.939 | 11.188 | 11.198 | 0.0 | -0.248 | -0.067 |
| 0 | 6 | 0 | 237.061 | 354.231 | 354.231 | 0.0 | -11.171 | -2.856 |
| 9 | 8 | 2 | 30.799 | 30.166 | 30.166 | 0.0 | 0.632 | 0.358 |
| 10 | 8 | 2 | 11.013 | 1.727 | -1.727 | 0.0 | 9.286 | 2.679 |
| 11 | 8 | 2 | 31.667 | 32.966 | 32.966 | 0.0 | -1.299 | -0.690 |

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| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 12 | 8 | 2 | 8.751 | 1.989 | -1.889 | 0.0 | 6.862 | 1.584 |
| 13 | 8 | 2 | 36.556 | 35.272 | -35.272 | 0.0 | 1.283 | 0.807 |
| 14 | 8 | 2 | 6.490 | 11.119 | -11.119 | 0.0 | -4.629 | -0.769 |
| 15 | 8 | 2 | 24.170 | 25.293 | -25.293 | 0.0 | -1.173 | -0.469 |
| 16 | 8 | 2 | 7.973 | 3.254 | -3.254 | 0.0 | 4.719 | 0.862 |
| 17 | 9 | 2 | 10.117 | 10.001 | 10.001 | 0.0 | 0.116 | 0.024 |
| 18 | 8 | 2 | 16.007 | 15.755 | -15.755 | 0.0 | 0.252 | 0.074 |
| 19 | 8 | 2 | 28.793 | 22.330 | -22.330 | 0.0 | 6.424 | 2.930 |
| 20 | 8 | 2 | 0.897 | 10.121 | -10.121 | 0.0 | -9.284 | -0.873 |
| 21 | 8 | 2 | 13.172 | 14.128 | -14.128 | 0.0 | -0.956 | -0.218 |
| 19 | 9 | 2 | 18.490 | 15.235 | -15.235 | 0.0 | 3.256 | 1.119 |
| 17 | 9 | 2 | 17.829 | 8.734 | 8.734 | 0.0 | 9.096 | 3.224 |
| 16 | 9 | 2 | 13.539 | 9.884 | -9.884 | 0.0 | 3.655 | 0.975 |
| 15 | 9 | 2 | 5.374 | 6.075 | 6.075 | 0.0 | -0.701 | -0.104 |
| 14 | 9 | 2 | 14.891 | 10.733 | 10.733 | 0.0 | 4.157 | 1.204 |
| 13 | 9 | 2 | 15.155 | 8.584 | 8.584 | 0.0 | 6.571 | 2.059 |
| 0 | 6 | 0 | 339.119 | 354.231 | 354.231 | 0.0 | -15.113 | -2.498 |
| 12 | 9 | 2 | 7.253 | 6.445 | -6.445 | 0.0 | 0.809 | 0.139 |
| 11 | 9 | 2 | 14.053 | 10.821 | -10.821 | 0.0 | 3.232 | 1.005 |
| 9 | 9 | 2 | 11.791 | 7.614 | 7.614 | 0.0 | 4.178 | 1.129 |
| 6 | 9 | 2 | 12.041 | 4.197 | -4.197 | 0.0 | 7.845 | 2.473 |
| 3 | 9 | 2 | 10.308 | 9.914 | -9.914 | 0.0 | 0.394 | 0.099 |
| 2 | 9 | 2 | 12.731 | 13.381 | -13.381 | 0.0 | -0.650 | -0.185 |
| 0 | 10 | 2 | 3.204 | 4.811 | -4.811 | 0.0 | -1.507 | -0.201 |
| 1 | 10 | 2 | 5.099 | 10.046 | -10.046 | 0.0 | -0.957 | -0.202 |
| 2 | 10 | 2 | 29.798 | 28.786 | -28.786 | 0.0 | -0.048 | -0.024 |
| 3 | 10 | 2 | 29.621 | 28.533 | -28.533 | 0.0 | 1.088 | 0.582 |
| 5 | 10 | 2 | 11.380 | 14.885 | -14.885 | 0.0 | -2.504 | -0.874 |
| 6 | 10 | 2 | 14.641 | 16.961 | -16.961 | 0.0 | -2.320 | -0.696 |
| 7 | 10 | 2 | 13.671 | 8.300 | -8.300 | 0.0 | 5.371 | 1.625 |
| 0 | 6 | 0 | 338.051 | 354.231 | 354.231 | 0.0 | -16.181 | -2.679 |
| 9 | 10 | 2 | 11.894 | 12.089 | -12.089 | 0.0 | -0.195 | -0.047 |
| 10 | 10 | 2 | 13.143 | 2.275 | -2.275 | 0.0 | 10.868 | 3.122 |
| 11 | 10 | 2 | 19.260 | 20.368 | -20.368 | 0.0 | -1.126 | -0.264 |
| 13 | 10 | 2 | 13.480 | 12.021 | -12.021 | 0.0 | 1.459 | 0.399 |
| 15 | 10 | 2 | 18.828 | 14.589 | -14.589 | 0.0 | 4.239 | 1.428 |
| 16 | 10 | 2 | 4.769 | 3.348 | -3.348 | 0.0 | 3.421 | 0.534 |
| 17 | 10 | 2 | 17.617 | 18.677 | -18.677 | 0.0 | -0.760 | -0.234 |
| 14 | 11 | 2 | 9.735 | 8.513 | -8.513 | 0.0 | 1.222 | 0.240 |
| 13 | 11 | 2 | 15.684 | 10.763 | 10.763 | 0.0 | 4.921 | 1.469 |
| 12 | 11 | 2 | 40.505 | 41.236 | 41.236 | 0.0 | -0.731 | -0.352 |
| 11 | 11 | 2 | 41.021 | 41.794 | 41.794 | 0.0 | -0.773 | -0.397 |
| 10 | 11 | 2 | 15.052 | 9.725 | -9.725 | 0.0 | 5.327 | 1.433 |
| 9 | 11 | 2 | 61.239 | 60.523 | -60.523 | 0.0 | 0.717 | 0.426 |
| 8 | 11 | 2 | 36.777 | 33.878 | -33.878 | 0.0 | 2.898 | 1.525 |
| 7 | 11 | 2 | 29.224 | 31.440 | -31.440 | 0.0 | -2.216 | -0.947 |
| 5 | 11 | 2 | 42.437 | 41.952 | 41.952 | 0.0 | 0.484 | 0.286 |
| 0 | 6 | 0 | 339.710 | 354.231 | 354.231 | 0.0 | -14.521 | -2.391 |
| 4 | 11 | 2 | 7.430 | 1.031 | -1.031 | 0.0 | 6.399 | 1.117 |
| 3 | 11 | 2 | 45.609 | 47.540 | 47.540 | 0.0 | -1.931 | -1.039 |
| 2 | 11 | 2 | 9.957 | 9.680 | -9.680 | 0.0 | -0.723 | -0.146 |
| 1 | 11 | 2 | 22.429 | 19.572 | -19.572 | 0.0 | 2.856 | 1.143 |
| 0 | 12 | 2 | 7.518 | 3.775 | -3.775 | 0.0 | 3.743 | 0.639 |

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| H | K | L | F(ORS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 1 | 12 | 2 | 3.817 | 3.792 | 3.792 | 0.0 | 0.026 | 0.003 |
| 2 | 12 | 2 | 40.608 | 39.092 | -39.092 | 0.0 | 1.516 | 0.863 |
| 3 | 12 | 2 | 37.661 | 38.131 | 38.131 | 0.0 | -0.471 | -0.237 |
| 4 | 12 | 2 | 2.458 | 8.731 | -8.731 | 0.0 | -6.073 | -0.677 |
| 5 | 12 | 2 | 24.650 | 17.909 | -17.909 | 0.0 | 6.741 | 2.987 |
| 7 | 12 | 2 | 16.139 | 9.693 | -9.693 | 0.0 | 6.447 | 1.950 |
| 9 | 12 | 2 | 27.106 | 25.714 | 25.714 | 0.0 | 1.392 | 0.553 |
| 10 | 12 | 2 | 9.177 | 7.438 | 7.438 | 0.0 | 1.740 | 0.312 |
| 2 | 13 | 2 | 14.259 | 5.536 | -5.536 | 0.0 | 8.723 | 2.404 |
| 1 | 13 | 2 | 74.635 | 19.150 | -19.150 | 0.0 | 5.485 | 2.220 |
| 0 | 12 | 3 | 16.595 | 14.374 | -14.374 | 0.0 | 2.221 | 0.617 |
| 1 | 12 | 3 | 11.644 | 6.722 | -6.722 | 0.0 | 4.923 | 1.132 |
| 0 | 6 | 0 | 338.217 | 354.231 | 354.231 | 0.0 | -15.014 | -2.634 * |
| 3 | 12 | 3 | 13.099 | 5.295 | 5.295 | 0.0 | 7.804 | 1.975 |
| 5 | 12 | 3 | 10.558 | 3.918 | 3.918 | 0.0 | 6.640 | 1.395 |
| 12 | 11 | 3 | 16.610 | 4.825 | -4.825 | 0.0 | 11.785 | 3.875 * |
| 11 | 11 | 3 | 3.524 | 10.431 | -10.431 | 0.0 | -6.908 | -0.769 |
| 10 | 11 | 3 | 28.989 | 30.459 | 30.459 | 0.0 | -1.471 | -0.581 |
| 9 | 11 | 3 | 17.447 | 13.683 | 13.683 | 0.0 | 3.764 | 1.170 |
| 7 | 11 | 3 | 15.566 | 10.392 | 10.392 | 0.0 | 5.174 | 1.455 |
| 6 | 11 | 3 | 5.801 | 16.286 | 16.286 | 0.0 | -9.485 | -1.169 |
| 5 | 11 | 3 | 11.233 | 17.927 | -17.927 | 0.0 | -6.693 | -1.348 |
| 4 | 11 | 3 | 12.247 | 4.029 | 4.029 | 0.0 | 8.217 | 2.135 |
| 3 | 11 | 3 | 19.769 | 16.755 | -16.755 | 0.0 | 3.014 | 1.121 |
| 2 | 11 | 3 | 33.860 | 33.084 | -33.084 | 0.0 | 0.777 | 0.371 |
| 1 | 11 | 3 | 10.014 | 8.318 | 8.318 | 0.0 | 1.697 | 0.348 |
| 0 | 10 | 3 | 20.239 | 15.404 | -15.404 | 0.0 | 4.835 | 1.947 |
| 1 | 10 | 3 | 4.508 | 7.160 | 7.160 | 0.0 | -2.652 | -0.367 |
| 0 | 6 | 0 | 338.508 | 354.231 | 354.231 | 0.0 | -15.723 | -2.601 * |
| 2 | 10 | 3 | 8.531 | 2.947 | 2.947 | 0.0 | 5.584 | 1.156 |
| 3 | 10 | 3 | 25.179 | 25.984 | 25.984 | 0.0 | -0.805 | -0.332 |
| 4 | 10 | 3 | 36.158 | 36.943 | -36.943 | 0.0 | -0.785 | -0.407 |
| 7 | 10 | 3 | 5.154 | 5.221 | 5.221 | 0.0 | -0.067 | -0.010 |
| 8 | 10 | 3 | 9.221 | 2.564 | -2.564 | 0.0 | 6.658 | 1.378 |
| 9 | 10 | 3 | 11.380 | 11.595 | 11.595 | 0.0 | -0.215 | -0.048 |
| 11 | 10 | 3 | 12.364 | 16.390 | 16.390 | 0.0 | -4.026 | -0.838 |
| 12 | 10 | 3 | 8.957 | 2.499 | -2.499 | 0.0 | 6.458 | 1.242 |
| 14 | 10 | 3 | 13.902 | 2.549 | 2.549 | 0.0 | 11.342 | 3.028 * |
| 15 | 10 | 3 | 13.336 | 5.226 | -5.226 | 0.0 | 8.107 | 1.978 |
| 17 | 9 | 3 | 11.454 | 9.078 | 9.078 | 0.0 | 2.375 | 0.504 |
| 15 | 9 | 3 | 16.477 | 19.733 | 19.733 | 0.0 | -2.256 | -0.602 |
| 14 | 9 | 3 | 85.451 | 84.937 | 84.937 | 0.0 | 0.515 | 0.297 |
| 13 | 9 | 3 | 44.959 | 41.736 | -41.736 | 0.0 | 3.223 | 1.986 |
| 0 | 6 | 0 | 339.405 | 354.231 | 354.231 | 0.0 | -14.827 | -2.442 * |
| 11 | 9 | 3 | 6.270 | 8.586 | -8.586 | 0.0 | -2.316 | -0.358 |
| 10 | 9 | 3 | 4.405 | 14.456 | 14.456 | 0.0 | -10.051 | -1.270 * |
| 8 | 9 | 3 | 10.455 | 1.625 | -1.625 | 0.0 | 8.830 | 2.140 |
| 7 | 9 | 3 | 21.489 | 23.766 | 23.766 | 0.0 | -2.278 | -0.824 |
| 6 | 9 | 3 | 62.900 | 62.064 | 62.064 | 0.0 | 0.835 | 0.542 |
| 5 | 9 | 3 | 18.696 | 16.963 | -16.963 | 0.0 | 1.733 | 0.655 |
| 4 | 9 | 3 | 2.541 | 1.289 | 1.289 | 0.0 | 2.352 | 0.322 |
| 3 | 9 | 3 | 8.149 | 7.637 | -7.637 | 0.0 | 0.513 | 0.104 |
| 2 | 9 | 3 | 60.780 | 61.131 | -61.131 | 0.0 | -0.351 | -0.240 |

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| H | K | L | F(COPS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 1 | 9 | 3 | 54.666 | 53.510 | 53.510 | 0.0 | 1.156 | 0.797 |
| 0 | 8 | 3 | 136.450 | 139.254 | 139.254 | 0.0 | -2.804 | -1.241 |
| 1 | 8 | 3 | 52.093 | 51.854 | 51.854 | 0.0 | 0.239 | 0.176 |
| 2 | 8 | 3 | 10.499 | 9.388 | -9.388 | 0.0 | 1.111 | 0.290 |
| 3 | 8 | 3 | 24.517 | 23.819 | 23.819 | 0.0 | 0.698 | 0.354 |
| 4 | 8 | 3 | 27.576 | 27.746 | -27.746 | 0.0 | -0.170 | -0.090 |
| 5 | 8 | 3 | 26.870 | 26.691 | -26.691 | 0.0 | 0.179 | 0.090 |
| 7 | 8 | 3 | 52.270 | 50.847 | -50.847 | 0.0 | 1.423 | 0.743 |
| 8 | 8 | 3 | 65.154 | 64.553 | -64.553 | 0.0 | 0.602 | 0.408 |
| 0 | 6 | 0 | 340.551 | 354.231 | 354.231 | 0.0 | -13.680 | -2.250 |
| 9 | 8 | 3 | 10.073 | 6.581 | 6.581 | 0.0 | 3.492 | 0.855 |
| 11 | 8 | 3 | 15.660 | 6.799 | 6.799 | 0.0 | 9.061 | 3.281 |
| 12 | 8 | 3 | 52.255 | 51.669 | -51.669 | 0.0 | 0.587 | 0.367 |
| 13 | 8 | 3 | 33.831 | 34.626 | -34.626 | 0.0 | -0.795 | -0.397 |
| 14 | 8 | 3 | 8.296 | 5.568 | -5.568 | 0.0 | 2.728 | 0.503 |
| 15 | 8 | 3 | 34.404 | 32.583 | -32.583 | 0.0 | 1.910 | 1.006 |
| 16 | 8 | 3 | 30.431 | 28.141 | 28.141 | 0.0 | 2.289 | 1.152 |
| 18 | 8 | 3 | 4.566 | 2.091 | -2.091 | 0.0 | 2.474 | 0.320 |
| 19 | 8 | 3 | 35.628 | 34.705 | 34.705 | 0.0 | 0.922 | 0.429 |
| 21 | 7 | 3 | 11.982 | 2.744 | 2.744 | 0.0 | 9.238 | 3.184 |
| 19 | 7 | 3 | 5.506 | 9.071 | 9.071 | 0.0 | -3.565 | -0.490 |
| 14 | 7 | 3 | 42.628 | 43.627 | -43.627 | 0.0 | -0.999 | -0.616 |
| 13 | 7 | 3 | 18.285 | 19.308 | 19.308 | 0.0 | -1.023 | -0.338 |
| 0 | 6 | 0 | 340.112 | 354.231 | 354.231 | 0.0 | -14.120 | -2.323 |
| 12 | 7 | 3 | 3.318 | 5.586 | -5.586 | 0.0 | -2.268 | -0.302 |
| 11 | 7 | 3 | 9.001 | 3.657 | -3.657 | 0.0 | 5.344 | 1.238 |
| 10 | 7 | 3 | 22.098 | 21.838 | -21.838 | 0.0 | 1.150 | 0.518 |
| 9 | 7 | 3 | 14.478 | 10.102 | 10.102 | 0.0 | 4.377 | 1.713 |
| 8 | 7 | 3 | 16.830 | 11.919 | 11.919 | 0.0 | 4.910 | 1.278 |
| 7 | 7 | 3 | 10.631 | 15.006 | -15.006 | 0.0 | -4.375 | -1.068 |
| 6 | 7 | 3 | 31.667 | 32.883 | -32.883 | 0.0 | -1.216 | -0.694 |
| 5 | 7 | 3 | 10.763 | 8.502 | -8.502 | 0.0 | 2.261 | 0.611 |
| 4 | 7 | 3 | 8.369 | 14.488 | 14.488 | 0.0 | -6.118 | -1.263 |
| 3 | 7 | 3 | 4.302 | 6.470 | -6.470 | 0.0 | -2.168 | -0.336 |
| 2 | 7 | 3 | 6.875 | 6.872 | 6.872 | 0.0 | -0.396 | -0.081 |
| 1 | 7 | 3 | 12.746 | 14.856 | -14.856 | 0.0 | -2.109 | -0.659 |
| 0 | 6 | 3 | 10.381 | 2.422 | 2.422 | 0.0 | 7.960 | 2.212 |
| 1 | 6 | 3 | 8.135 | 1.808 | 1.808 | 0.0 | 6.326 | 1.465 |
| 2 | 6 | 3 | 9.559 | 15.441 | 15.441 | 0.0 | -5.882 | -1.396 |
| 5 | 6 | 3 | 6.813 | 8.945 | 8.945 | 0.0 | -2.132 | -0.436 |
| 7 | 6 | 3 | 5.506 | 5.815 | 5.815 | 0.0 | -0.309 | -0.055 |
| 0 | 6 | 0 | 340.908 | 354.231 | 354.231 | 0.0 | -13.323 | -2.534 |
| 8 | 6 | 3 | 24.488 | 29.135 | -29.135 | 0.0 | -4.648 | -2.136 |
| 9 | 6 | 3 | 3.594 | 11.097 | -11.097 | 0.0 | -7.103 | -1.073 |
| 10 | 6 | 3 | 6.593 | 5.313 | -5.313 | 0.0 | 1.280 | 0.247 |
| 11 | 6 | 3 | 6.560 | 1.215 | -1.215 | 0.0 | 5.745 | 1.168 |
| 17 | 6 | 3 | 11.879 | 0.915 | 0.915 | 0.0 | 10.964 | 2.657 |
| 18 | 6 | 3 | 8.369 | 5.605 | 5.605 | 0.0 | 2.764 | 0.528 |
| 20 | 6 | 3 | 21.386 | 14.318 | 14.318 | 0.0 | 7.068 | 2.914 |
| 21 | 5 | 3 | 5.902 | 10.218 | 10.218 | 0.0 | -4.315 | -0.605 |
| 23 | 5 | 3 | 7.209 | 4.478 | 4.478 | 0.0 | 2.752 | 0.420 |
| 22 | 5 | 3 | 15.187 | 14.191 | 14.191 | 0.0 | 1.596 | 0.421 |
| 21 | 5 | 3 | 8.883 | 9.504 | -9.504 | 0.0 | -0.621 | -0.110 |

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| H | K | I | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 20 | 5 | 3 | 1.967 | 2.844 | 2.844 | 0.0 | -0.877 | -0.095 |
| 19 | 5 | 3 | 11.556 | 2.318 | 2.318 | 0.0 | 9.238 | 2.253 |
| 0 | 6 | 0 | 339.386 | 354.231 | 354.231 | 0.0 | -14.845 | -2.445 * |
| 18 | 5 | 3 | 29.003 | 27.913 | -27.913 | 0.0 | 1.090 | 0.404 |
| 17 | 5 | 3 | 29.165 | 32.291 | 32.291 | 0.0 | -3.126 | -1.513 |
| 16 | 5 | 3 | 13.701 | 8.112 | 8.112 | 0.0 | 5.589 | 1.745 |
| 15 | 5 | 3 | 23.003 | 20.785 | 20.785 | 0.0 | 2.218 | 1.085 |
| 14 | 5 | 3 | 26.900 | 27.514 | 27.514 | 0.0 | -0.614 | -0.309 |
| 13 | 5 | 3 | 13.995 | 14.018 | -14.018 | 0.0 | -0.023 | -0.007 |
| 12 | 5 | 3 | 8.737 | 0.609 | -0.609 | 0.0 | 8.127 | 1.915 |
| 11 | 5 | 3 | 22.559 | 21.253 | -21.253 | 0.0 | 1.306 | 0.959 |
| 10 | 5 | 3 | 61.017 | 60.199 | -60.199 | 0.0 | 0.818 | 0.606 |
| 9 | 5 | 3 | 23.576 | 28.332 | 28.332 | 0.0 | -4.756 | -2.231 |
| 5 | 5 | 3 | 37.062 | 37.006 | -37.006 | 0.0 | 0.056 | 0.024 |
| 4 | 5 | 3 | 5.021 | 7.940 | -7.940 | 0.0 | -2.919 | -0.471 |
| 3 | 5 | 3 | 39.532 | 41.297 | -41.297 | 0.0 | -1.764 | -1.187 |
| 2 | 5 | 3 | 83.031 | 86.472 | -86.472 | 0.0 | -3.442 | -2.304 |
| 1 | 5 | 3 | 28.753 | 33.089 | 33.089 | 0.0 | -4.335 | -2.320 |
| 0 | 4 | 3 | 134.530 | 147.403 | -147.403 | 0.0 | -12.873 | -5.906 * |
| 1 | 4 | 3 | 34.582 | 36.569 | -36.569 | 0.0 | -1.987 | -1.405 |
| 0 | 5 | 0 | 338.013 | 354.231 | 354.231 | 0.0 | -16.219 | -2.694 * |
| 2 | 4 | 3 | 10.073 | 8.648 | -8.648 | 0.0 | 1.425 | 0.391 |
| 3 | 4 | 3 | 18.211 | 20.729 | 20.729 | 0.0 | -2.518 | -1.026 |
| 4 | 4 | 3 | 33.919 | 34.675 | -34.675 | 0.0 | -0.756 | -0.367 |
| 5 | 4 | 3 | 6.784 | 14.214 | 14.214 | 0.0 | -7.430 | -1.454 |
| 6 | 4 | 3 | 11.268 | 5.770 | -5.770 | 0.0 | 5.498 | 1.622 |
| 7 | 4 | 3 | 23.106 | 24.782 | 24.782 | 0.0 | -1.676 | -0.803 |
| 8 | 4 | 3 | 19.666 | 20.932 | -20.932 | 0.0 | -1.266 | -0.522 |
| 9 | 4 | 3 | 11.336 | 15.431 | 15.431 | 0.0 | -4.095 | -1.133 |
| 10 | 4 | 3 | 21.930 | 19.918 | 19.918 | 0.0 | 2.012 | 1.069 |
| 11 | 4 | 3 | 8.355 | 11.724 | 11.724 | 0.0 | -3.369 | -0.783 |
| 12 | 4 | 3 | 47.651 | 48.110 | 48.110 | 0.0 | -0.459 | -0.349 |
| 13 | 4 | 3 | 31.770 | 31.406 | 31.406 | 0.0 | 0.364 | 0.213 |
| 14 | 4 | 3 | 11.057 | 7.518 | 7.518 | 0.0 | 3.539 | 0.964 |
| 15 | 4 | 3 | 13.745 | 18.184 | 18.184 | 0.0 | -4.439 | -1.254 |
| 16 | 4 | 3 | 9.486 | 2.220 | -2.220 | 0.0 | 7.266 | 1.724 |
| 18 | 4 | 3 | 10.851 | 3.239 | -3.239 | 0.0 | 7.612 | 1.934 |
| 19 | 4 | 3 | 11.586 | 11.645 | -11.645 | 0.0 | -0.059 | -0.014 |
| 20 | 4 | 3 | 42.112 | 42.813 | 42.813 | 0.0 | -0.701 | -0.393 |
| 21 | 4 | 3 | 11.351 | 7.771 | 7.771 | 0.0 | 3.580 | 0.779 |
| 0 | 6 | 0 | 339.023 | 354.231 | 354.231 | 0.0 | -15.208 | -2.514 * |
| 22 | 4 | 3 | 12.751 | 9.054 | -9.054 | 0.0 | 3.693 | 0.839 |
| 23 | 4 | 3 | 15.082 | 16.196 | -16.196 | 0.0 | -1.114 | -0.286 |
| 24 | 4 | 3 | 17.330 | 19.200 | 19.200 | 0.0 | -1.871 | -0.511 |
| 23 | 3 | 3 | 14.788 | 3.553 | -3.553 | 0.0 | 11.235 | 3.071 * |
| 22 | 3 | 3 | 36.423 | 35.795 | 35.795 | 0.0 | 0.628 | 0.364 |
| 21 | 3 | 3 | 51.649 | 52.667 | -52.667 | 0.0 | -1.017 | -0.538 |
| 19 | 3 | 3 | 37.764 | 38.323 | -38.323 | 0.0 | -0.560 | -0.311 |
| 18 | 3 | 3 | 76.408 | 76.059 | -76.059 | 0.0 | 0.349 | 0.221 |
| 17 | 3 | 3 | 36.791 | 34.908 | 34.908 | 0.0 | 1.884 | 1.184 |
| 16 | 3 | 3 | 14.714 | 12.795 | -12.795 | 0.0 | 1.920 | 0.628 |
| 15 | 3 | 3 | 44.738 | 43.008 | 43.008 | 0.0 | 1.731 | 1.185 |
| 14 | 3 | 3 | 172.425 | 171.096 | 171.096 | 0.0 | 1.329 | 0.470 |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA | 70 |
|----|---|---|---------|---------|----------|---------|---------|-------------|----|
| 13 | 3 | 3 | 89.521 | 89.639 | -89.639 | 0.0 | -0.117 | -0.072 | |
| 12 | 2 | 3 | 22.856 | 19.591 | -19.591 | 0.0 | 3.264 | 1.657 | |
| 11 | 3 | 3 | 30.407 | 30.793 | -30.793 | 0.0 | -0.186 | -0.118 | |
| 10 | 3 | 3 | 11.704 | 6.792 | -6.792 | 0.0 | 4.412 | 1.214 | |
| 9 | 3 | 3 | 30.386 | 31.978 | 21.978 | 0.0 | -1.592 | -0.933 | |
| 8 | 3 | 3 | 2.041 | 8.416 | 8.416 | 0.0 | -6.375 | -0.003 | |
| 0 | 6 | 0 | 338.851 | 354.231 | 354.231 | 0.0 | -15.380 | -2.543 | * |
| 7 | 3 | 3 | 69.297 | 69.660 | 69.660 | 0.0 | -0.363 | -0.263 | |
| 6 | 3 | 3 | 188.874 | 188.775 | 188.775 | 0.0 | 0.099 | 0.032 | |
| 5 | 3 | 3 | 79.434 | 78.698 | -78.698 | 0.0 | 0.736 | 0.514 | |
| 4 | 3 | 3 | 19.578 | 21.921 | 21.921 | 0.0 | -2.343 | -1.070 | |
| 3 | 3 | 3 | 40.933 | 42.294 | -42.294 | 0.0 | -1.362 | -1.038 | |
| 2 | 3 | 3 | 178.120 | 182.492 | -182.492 | 0.0 | -4.372 | -1.523 | |
| 1 | 3 | 3 | 140.482 | 146.541 | 146.541 | 0.0 | -6.059 | -2.693 | |
| 0 | 2 | 3 | 234.156 | 259.722 | 259.722 | 0.0 | -25.566 | -6.643 | * |
| 1 | 2 | 3 | 87.680 | 90.609 | 90.609 | 0.0 | -2.929 | -1.998 | |
| 2 | 2 | 3 | 4.302 | 4.689 | 4.689 | 0.0 | -0.387 | -0.074 | |
| 3 | 2 | 3 | 27.209 | 27.828 | 27.828 | 0.0 | -0.120 | -0.470 | |
| 4 | 2 | 3 | 26.723 | 26.990 | -26.990 | 0.0 | -0.267 | -0.173 | |
| 5 | 2 | 3 | 36.747 | 36.964 | -36.964 | 0.0 | -0.217 | -0.158 | |
| 6 | 2 | 3 | 10.308 | 9.440 | -9.440 | 0.0 | 0.868 | 0.251 | |
| 7 | 2 | 3 | 65.703 | 63.017 | -63.017 | 0.0 | 2.686 | 2.081 | |
| 8 | 2 | 3 | 73.401 | 71.441 | 71.441 | 0.0 | 1.959 | 1.416 | |
| 9 | 2 | 3 | 11.223 | 0.232 | 0.232 | 0.0 | 11.001 | 3.285 | * |
| 10 | 2 | 3 | 17.932 | 16.700 | -16.700 | 0.0 | 1.232 | 0.485 | |
| 11 | 2 | 3 | 11.615 | 7.601 | 7.601 | 0.0 | 4.014 | 1.168 | |
| 12 | 2 | 3 | 90.744 | 90.300 | -90.300 | 0.0 | 0.444 | 0.406 | |
| 0 | 6 | 0 | 338.908 | 354.231 | 354.231 | 0.0 | -15.723 | -2.501 | * |
| 13 | 2 | 3 | 55.642 | 55.991 | -55.991 | 0.0 | -0.349 | -0.262 | |
| 14 | 2 | 3 | 13.760 | 9.694 | -9.694 | 0.0 | 4.066 | 1.449 | |
| 15 | 2 | 3 | 46.037 | 46.039 | -46.039 | 0.0 | -0.002 | -0.002 | |
| 16 | 2 | 3 | 31.225 | 35.816 | 35.816 | 0.0 | -4.591 | -2.294 | |
| 17 | 2 | 3 | 16.301 | 11.778 | 11.778 | 0.0 | 4.523 | 1.664 | |
| 19 | 2 | 3 | 35.687 | 37.849 | 37.849 | 0.0 | -2.163 | -1.204 | |
| 20 | 2 | 3 | 81.194 | 80.339 | -80.339 | 0.0 | 0.856 | 0.521 | |
| 21 | 2 | 3 | 10.470 | 16.197 | -16.197 | 0.0 | -5.727 | -1.171 | |
| 23 | 2 | 3 | 11.835 | 5.034 | 5.034 | 0.0 | 6.802 | 1.565 | |
| 24 | 2 | 3 | 14.494 | 10.078 | -10.078 | 0.0 | 4.416 | 1.134 | |
| 25 | 1 | 3 | 13.260 | 10.327 | 10.327 | 0.0 | 2.933 | 0.756 | |
| 24 | 1 | 3 | 14.171 | 10.469 | 10.469 | 0.0 | 3.702 | 0.951 | |
| 23 | 1 | 3 | 14.068 | 0.380 | 0.380 | 0.0 | 13.688 | 4.087 | * |
| 22 | 1 | 3 | 13.157 | 7.536 | 7.536 | 0.0 | 5.621 | 1.450 | |
| 21 | 1 | 3 | 8.560 | 6.817 | -6.817 | 0.0 | 1.746 | 0.344 | |
| 20 | 1 | 3 | 15.082 | 3.558 | 3.558 | 0.0 | 11.524 | 3.845 | * |
| 19 | 1 | 3 | 7.694 | 8.225 | 8.225 | 0.0 | -0.531 | -0.182 | |
| 0 | 6 | 0 | 338.165 | 354.231 | 354.231 | 0.0 | -16.066 | -2.659 | * |
| 18 | 1 | 3 | 23.973 | 23.003 | -23.003 | 0.0 | 0.970 | 0.455 | |
| 17 | 1 | 3 | 31.667 | 32.349 | 32.349 | 0.0 | -0.682 | -0.396 | |
| 16 | 1 | 3 | 6.093 | 6.215 | 6.215 | 0.0 | -0.122 | -0.022 | |
| 15 | 1 | 3 | 17.241 | 9.849 | 9.849 | 0.0 | 7.393 | 3.145 | |
| 14 | 1 | 3 | 12.937 | 10.017 | -10.017 | 0.0 | 2.920 | 0.951 | |
| 13 | 1 | 3 | 7.136 | 2.532 | 2.532 | 0.0 | 4.604 | 1.028 | |
| 11 | 1 | 3 | 19.181 | 17.310 | -17.310 | 0.0 | 1.871 | 0.806 | |

| H | K | L | F(DRS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 10 | 1 | 3 | 57.847 | 56.425 | -56.425 | 0.0 | 1.423 | 1.080 |
| 9 | 1 | 3 | 29.232 | 29.420 | 29.420 | 0.0 | -0.182 | -0.110 |
| 8 | 1 | 3 | 8.046 | 8.328 | 8.328 | 0.0 | -0.781 | -0.066 |
| 7 | 1 | 3 | 16.169 | 15.128 | -15.128 | 0.0 | 1.041 | 0.414 |
| 6 | 1 | 3 | 30.195 | 29.864 | -29.864 | 0.0 | 0.331 | 0.232 |
| 5 | 1 | 3 | 42.092 | 40.217 | -40.217 | 0.0 | 1.890 | 1.634 |
| 3 | 1 | 3 | 32.874 | 35.103 | -35.103 | 0.0 | -2.229 | -1.761 |
| 2 | 1 | 3 | 65.688 | 65.347 | -65.347 | 0.0 | 0.341 | 0.280 |
| 1 | 1 | 3 | 19.695 | 23.490 | -23.490 | 0.0 | -3.784 | -2.093 |
| 0 | 0 | 4 | 132.567 | 131.624 | -131.624 | 0.0 | 0.943 | 0.439 |
| 1 | 0 | 4 | 75.931 | 75.968 | -75.968 | 0.0 | -0.037 | -0.026 |
| 0 | 6 | 0 | 337.689 | 354.231 | 354.231 | 0.0 | -16.542 | -2.742 * |
| 2 | 0 | 4 | 40.770 | 41.365 | 41.365 | 0.0 | -0.595 | -0.434 |
| 3 | 0 | 4 | 93.224 | 92.942 | 92.942 | 0.0 | 0.281 | 0.174 |
| 4 | 0 | 4 | 205.307 | 198.971 | 198.971 | 0.0 | 6.336 | 1.893 |
| 5 | 0 | 4 | 71.452 | 71.558 | -71.558 | 0.0 | -0.106 | -0.076 |
| 6 | 0 | 4 | 7.797 | 10.973 | 10.973 | 0.0 | -3.177 | -0.644 |
| 7 | 0 | 4 | 69.713 | 70.414 | -70.414 | 0.0 | -0.701 | -0.487 |
| 8 | 0 | 4 | 191.388 | 151.029 | -151.029 | 0.0 | 0.358 | 0.145 |
| 9 | 0 | 4 | 8.663 | 12.107 | 12.107 | 0.0 | -3.443 | -0.803 |
| 10 | 0 | 4 | 26.458 | 27.985 | -27.985 | 0.0 | 3.473 | 1.984 |
| 11 | 0 | 4 | 51.014 | 50.719 | -50.719 | 0.0 | 0.295 | 0.222 |
| 12 | 0 | 4 | 121.263 | 119.754 | 119.754 | 0.0 | 1.508 | 0.745 |
| 13 | 0 | 4 | 50.984 | 50.256 | -50.256 | 0.0 | 0.729 | 0.503 |
| 14 | 0 | 4 | 9.632 | 7.601 | 7.601 | 0.0 | 2.031 | 0.482 |
| 15 | 0 | 4 | 22.856 | 18.641 | -18.641 | 0.0 | 4.214 | 2.033 |
| 16 | 0 | 4 | 104.007 | 104.548 | -104.548 | 0.0 | -0.540 | -0.289 |
| 17 | 0 | 4 | 26.002 | 28.717 | 28.717 | 0.0 | -2.715 | -1.214 |
| 18 | 0 | 4 | 24.120 | 23.610 | -23.610 | 0.0 | 0.510 | 0.221 |
| 19 | 0 | 4 | 8.104 | 8.104 | 8.104 | 0.0 | 1.440 | 0.292 |
| 20 | 0 | 4 | 44.045 | 45.005 | 45.005 | 0.0 | -0.060 | -0.036 |
| 21 | 0 | 4 | 12.570 | 15.632 | 15.632 | 0.0 | -3.063 | -0.622 |
| 0 | 6 | 0 | 340.245 | 354.231 | 354.231 | 0.0 | -13.986 | -2.301 * |
| 22 | 0 | 4 | 11.762 | 6.899 | -6.899 | 0.0 | 4.863 | 1.086 |
| 23 | 0 | 4 | 25.047 | 26.584 | -26.584 | 0.0 | -1.538 | -0.531 |
| 23 | 1 | 4 | 16.801 | 8.473 | -8.473 | 0.0 | 8.328 | 2.636 |
| 22 | 1 | 4 | 39.442 | 35.272 | -35.272 | 0.0 | 3.170 | 1.721 |
| 21 | 1 | 4 | 15.678 | 11.952 | -11.952 | 0.0 | 4.026 | 1.176 |
| 20 | 1 | 4 | 9.285 | 3.231 | -3.231 | 0.0 | 6.064 | 1.225 |
| 19 | 1 | 4 | 17.300 | 17.144 | -17.144 | 0.0 | 0.156 | 0.047 |
| 18 | 1 | 4 | 36.187 | 35.905 | 35.905 | 0.0 | 0.282 | 0.162 |
| 17 | 1 | 4 | 6.402 | 5.664 | 5.664 | 0.0 | 0.738 | 0.125 |
| 16 | 1 | 4 | 13.245 | 10.334 | 10.334 | 0.0 | 2.911 | 0.901 |
| 15 | 1 | 4 | 15.713 | 15.847 | -15.847 | 0.0 | -0.134 | -0.042 |
| 14 | 1 | 4 | 17.888 | 13.237 | -13.237 | 0.0 | 4.651 | 1.942 |
| 13 | 1 | 4 | 6.801 | 1.872 | 1.872 | 0.0 | 5.029 | 1.044 |
| 12 | 1 | 4 | 24.135 | 24.738 | 24.738 | 0.0 | -0.603 | -0.277 |
| 11 | 1 | 4 | 74.919 | 74.799 | -74.799 | 0.0 | 0.119 | 0.081 |
| 10 | 1 | 4 | 89.731 | 86.956 | 86.956 | 0.0 | 2.775 | 1.732 |
| 9 | 1 | 4 | 35.878 | 37.659 | 37.659 | 0.0 | -1.781 | -1.130 |
| 8 | 1 | 4 | 19.225 | 20.882 | 20.882 | 0.0 | -1.657 | -0.583 |
| 7 | 1 | 4 | 33.227 | 33.335 | -33.335 | 0.0 | -0.108 | -0.069 |
| 6 | 1 | 4 | 53.749 | 53.294 | -53.294 | 0.0 | 0.455 | 0.334 |

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| H | K | L | F(CBS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/STGM | |
|----|---|---|---------|---------|---------|---------|---------|------------|---|
| 0 | 6 | 0 | 336.566 | 354.231 | 354.231 | 0.0 | -17.666 | -2.949 | * |
| 5 | 1 | 4 | 24.214 | 35.577 | 35.577 | 0.0 | -1.363 | -0.865 | |
| 4 | 1 | 4 | 9.588 | 7.974 | 7.974 | 0.0 | 1.612 | 0.403 | |
| 2 | 1 | 4 | 62.440 | 61.847 | 61.847 | 0.0 | 0.593 | 0.449 | |
| 1 | 1 | 4 | 76.015 | 81.459 | 81.459 | 0.0 | -4.545 | -2.211 | |
| 0 | 2 | 4 | 67.069 | 72.017 | -72.017 | 0.0 | -4.948 | -3.622 | |
| 1 | 2 | 4 | 41.021 | 46.320 | 46.320 | 0.0 | -4.399 | -3.013 | |
| 2 | 2 | 4 | 12.276 | 10.418 | -10.418 | 0.0 | 1.858 | 0.572 | |
| 3 | 2 | 4 | 10.225 | 5.125 | 5.125 | 0.0 | 5.110 | 1.333 | |
| 4 | 2 | 4 | 39.591 | 38.422 | 38.422 | 0.0 | 1.169 | 0.785 | |
| 5 | 2 | 4 | 49.714 | 49.860 | 49.860 | 0.0 | -0.147 | -0.112 | |
| 6 | 2 | 4 | 7.474 | 6.719 | -6.719 | 0.0 | 0.755 | 0.153 | |
| 7 | 2 | 4 | 22.547 | 21.872 | 21.872 | 0.0 | 0.675 | 0.338 | |
| 8 | 2 | 4 | 47.424 | 45.394 | -45.394 | 0.0 | 2.031 | 1.545 | |
| 9 | 2 | 4 | 16.198 | 15.270 | 15.270 | 0.0 | 0.928 | 0.361 | |
| 10 | 2 | 4 | 9.721 | 11.096 | -11.096 | 0.0 | -1.375 | -0.347 | |
| 11 | 2 | 4 | 14.685 | 8.142 | 8.142 | 0.0 | 6.543 | 2.434 | |
| 12 | 2 | 4 | 37.307 | 36.624 | 36.624 | 0.0 | 0.683 | 0.380 | |
| 13 | 2 | 4 | 17.555 | 18.457 | -18.457 | 0.0 | -0.892 | -0.330 | |
| 14 | 2 | 4 | 17.491 | 18.677 | 18.677 | 0.0 | -1.186 | -0.436 | |
| 0 | 6 | 0 | 338.166 | 354.231 | 354.231 | 0.0 | -16.065 | -2.462 | * |
| 15 | 2 | 4 | 7.767 | 11.090 | 11.090 | 0.0 | -3.323 | -0.625 | |
| 16 | 2 | 4 | 22.488 | 19.525 | -19.525 | 0.0 | 2.963 | 1.344 | |
| 18 | 2 | 4 | 5.330 | 0.011 | -0.011 | 0.0 | 5.318 | 0.900 | |
| 20 | 2 | 4 | 27.450 | 26.863 | 26.863 | 0.0 | 0.787 | 0.347 | |
| 21 | 2 | 4 | 7.679 | 8.246 | -8.246 | 0.0 | -0.566 | -0.093 | |
| 23 | 2 | 4 | 7.063 | 6.753 | 6.753 | 0.0 | 0.300 | 0.048 | |
| 22 | 3 | 4 | 3.832 | 3.330 | -3.330 | 0.0 | 0.502 | 0.059 | |
| 21 | 3 | 4 | 10.984 | 6.342 | -6.342 | 0.0 | 4.642 | 0.953 | |
| 20 | 3 | 4 | 10.249 | 2.408 | -2.408 | 0.0 | 7.841 | 1.674 | |
| 19 | 3 | 4 | 7.435 | 7.820 | -7.820 | 0.0 | -0.185 | -0.033 | |
| 17 | 3 | 4 | 8.648 | 4.932 | 4.932 | 0.0 | 3.716 | 0.758 | |
| 15 | 3 | 4 | 21.004 | 15.359 | -15.359 | 0.0 | 5.644 | 2.526 | |
| 14 | 3 | 4 | 11.101 | 4.089 | -4.089 | 0.0 | 7.012 | 1.923 | |
| 13 | 3 | 4 | 7.018 | 11.077 | 11.077 | 0.0 | -4.059 | -0.764 | |
| 0 | 6 | 0 | 337.117 | 354.231 | 354.231 | 0.0 | -17.114 | -2.846 | * |
| 9 | 3 | 4 | 20.122 | 14.861 | 14.861 | 0.0 | 5.260 | 2.521 | |
| 7 | 3 | 4 | 21.033 | 22.909 | 22.909 | 0.0 | -1.876 | -0.205 | |
| 6 | 3 | 4 | 4.082 | 0.426 | 0.426 | 0.0 | 3.656 | 0.987 | |
| 4 | 3 | 4 | 4.977 | 0.164 | 0.164 | 0.0 | 4.814 | 0.822 | |
| 3 | 3 | 4 | 12.429 | 2.296 | 2.296 | 0.0 | 10.332 | 3.303 | * |
| 2 | 3 | 4 | 4.816 | 7.546 | 7.546 | 0.0 | -2.730 | -0.443 | |
| 1 | 3 | 4 | 11.777 | 16.621 | -16.621 | 0.0 | -4.844 | -1.361 | |
| 0 | 4 | 4 | 34.273 | 38.319 | -38.319 | 0.0 | -4.047 | -2.544 | |
| 1 | 4 | 4 | 9.794 | 4.370 | 4.370 | 0.0 | 5.424 | 1.415 | |
| 2 | 4 | 4 | 7.591 | 10.371 | -10.371 | 0.0 | -2.780 | -0.604 | |
| 3 | 4 | 4 | 9.809 | 11.819 | -11.819 | 0.0 | -2.010 | -0.516 | |
| 4 | 4 | 4 | 4.684 | 10.123 | -10.123 | 0.0 | -5.440 | -0.910 | |
| 5 | 4 | 4 | 34.685 | 33.067 | 33.067 | 0.0 | 1.618 | 1.121 | |
| 7 | 4 | 4 | 15.302 | 9.146 | -9.146 | 0.0 | 6.156 | 2.524 | |
| 8 | 4 | 4 | 11.053 | 1.271 | -1.271 | 0.0 | 10.482 | 3.206 | * |
| 0 | 6 | 0 | 337.117 | 354.231 | 354.231 | 0.0 | -17.114 | -2.846 | * |
| 9 | 4 | 4 | 31.711 | 30.692 | 30.692 | 0.0 | 1.019 | 0.613 | |

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| H | K | L | F(ORS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA | 73 |
|----|---|---|---------|---------|----------|---------|---------|-------------|----|
| 10 | 4 | 4 | 9.911 | 8.795 | -8.795 | 0.0 | 1.116 | 0.270 | |
| 12 | 4 | 4 | 17.403 | 11.193 | 11.193 | 0.0 | 6.210 | 2.443 | |
| 13 | 4 | 4 | 17.668 | 16.246 | 16.246 | 0.0 | 1.422 | 0.515 | |
| 15 | 4 | 4 | 28.709 | 29.059 | 29.059 | 0.0 | -0.350 | -0.161 | |
| 19 | 4 | 4 | 20.857 | 20.753 | 20.753 | 0.0 | 0.103 | 0.034 | |
| 20 | 4 | 4 | 7.151 | 4.828 | -4.828 | 0.0 | 2.323 | -0.370 | |
| 21 | 4 | 4 | 17.579 | 24.284 | -24.284 | 0.0 | -6.705 | -1.709 | |
| 22 | 4 | 4 | 15.963 | 10.708 | 10.708 | 0.0 | 5.255 | 1.542 | |
| 21 | 5 | 4 | 20.136 | 26.115 | -26.115 | 0.0 | -5.978 | -1.621 | |
| 19 | 5 | 4 | 31.579 | 28.774 | 28.774 | 0.0 | 2.804 | 1.361 | |
| 18 | 5 | 4 | 46.140 | 46.005 | -46.005 | 0.0 | 0.135 | 0.070 | |
| 17 | 5 | 4 | 7.738 | 11.512 | -11.512 | 0.0 | -3.774 | -0.666 | |
| 16 | 5 | 4 | 11.409 | 3.150 | -3.150 | 0.0 | 8.260 | 2.023 | |
| 0 | 6 | 0 | 337.879 | 354.231 | 354.231 | 0.0 | -16.352 | -2.716 | * |
| 15 | 5 | 4 | 17.374 | 24.864 | -24.864 | 0.0 | -7.470 | -2.163 | |
| 14 | 5 | 4 | 39.429 | 39.068 | -39.068 | 0.0 | 0.361 | 0.225 | |
| 13 | 5 | 4 | 30.372 | 31.091 | -31.091 | 0.0 | -0.719 | -0.352 | |
| 12 | 5 | 4 | 27.635 | 27.983 | -27.983 | 0.0 | -0.348 | -0.167 | |
| 11 | 5 | 4 | 69.074 | 67.810 | 67.810 | 0.0 | 1.264 | 0.834 | |
| 10 | 5 | 4 | 105.274 | 104.601 | -104.601 | 0.0 | 0.673 | 0.366 | |
| 9 | 5 | 4 | 39.621 | 41.057 | -41.057 | 0.0 | -1.437 | -0.911 | |
| 8 | 5 | 4 | 14.274 | 14.074 | -14.074 | 0.0 | 0.200 | 0.063 | |
| 6 | 5 | 4 | 70.723 | 70.991 | 70.991 | 0.0 | -0.268 | -0.186 | |
| 4 | 5 | 4 | 4.904 | 5.684 | -5.684 | 0.0 | -0.780 | -0.135 | |
| 3 | 5 | 4 | 20.004 | 19.185 | -19.185 | 0.0 | 0.819 | 0.382 | |
| 2 | 5 | 4 | 88.552 | 92.435 | -92.435 | 0.0 | -3.883 | -2.174 | |
| 1 | 5 | 4 | 45.860 | 47.288 | -47.288 | 0.0 | -1.428 | -1.030 | |
| 0 | 6 | 4 | 62.618 | 63.210 | -63.210 | 0.0 | -0.592 | -0.420 | |
| 1 | 6 | 4 | 27.990 | 26.385 | -26.385 | 0.0 | 1.515 | 0.831 | |
| 2 | 6 | 4 | 29.783 | 27.054 | -27.054 | 0.0 | 2.729 | 1.801 | |
| 3 | 6 | 4 | 51.546 | 54.087 | -54.087 | 0.0 | -2.541 | -1.869 | |
| 4 | 6 | 4 | 118.175 | 118.166 | 118.166 | 0.0 | 0.009 | 0.004 | |
| 0 | 6 | 0 | 336.684 | 354.231 | 354.231 | 0.0 | -17.247 | -2.869 | * |
| 5 | 6 | 4 | 38.515 | 41.382 | -41.382 | 0.0 | -2.867 | -1.721 | |
| 6 | 6 | 4 | 10.425 | 9.178 | -9.178 | 0.0 | 1.248 | 0.318 | |
| 7 | 6 | 4 | 25.738 | 22.956 | -22.956 | 0.0 | 2.782 | 1.513 | |
| 8 | 6 | 4 | 87.545 | 88.460 | -88.460 | 0.0 | -0.914 | -0.556 | |
| 9 | 6 | 4 | 3.455 | 12.925 | -12.925 | 0.0 | -9.360 | -1.260 | |
| 10 | 6 | 4 | 13.025 | 12.704 | -12.704 | 0.0 | 0.321 | 0.087 | |
| 11 | 6 | 4 | 20.063 | 22.098 | -22.098 | 0.0 | -2.035 | -0.689 | |
| 12 | 6 | 4 | 69.272 | 67.105 | -67.105 | 0.0 | 1.186 | 0.748 | |
| 13 | 6 | 4 | 45.550 | 48.286 | -48.286 | 0.0 | -2.737 | -1.545 | |
| 14 | 6 | 4 | 13.818 | 2.925 | -2.925 | 0.0 | 10.893 | 3.281 | * |
| 15 | 6 | 4 | 26.002 | 24.389 | -24.389 | 0.0 | 1.614 | 0.694 | |
| 16 | 6 | 4 | 66.282 | 66.163 | -66.163 | 0.0 | 0.119 | 0.073 | |
| 17 | 6 | 4 | 24.164 | 23.501 | -23.501 | 0.0 | 0.664 | 0.255 | |
| 18 | 6 | 4 | 21.106 | 16.741 | -16.741 | 0.0 | 4.366 | 1.641 | |
| 20 | 6 | 4 | 29.283 | 28.804 | -28.804 | 0.0 | 0.479 | 0.231 | |
| 18 | 7 | 4 | 4.992 | 0.606 | 0.606 | 0.0 | 4.386 | 0.573 | |
| 16 | 7 | 4 | 16.389 | 12.020 | -12.020 | 0.0 | 4.369 | 1.214 | |
| 15 | 7 | 4 | 35.731 | 32.864 | -32.864 | 0.0 | 1.867 | 1.047 | |
| 0 | 6 | 0 | 336.737 | 354.231 | 354.231 | 0.0 | -17.494 | -2.911 | * |
| 14 | 7 | 4 | 12.305 | 16.298 | -16.298 | 0.0 | -3.992 | -0.834 | |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/STGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 12 | 7 | 4 | 11.821 | 11.274 | 11.274 | 0.0 | 0.547 | 0.126 |
| 11 | 7 | 4 | 32.742 | 35.990 | -35.990 | 0.0 | -3.249 | -1.532 |
| 10 | 7 | 4 | 22.444 | 17.651 | 17.651 | 0.0 | -4.793 | -2.115 |
| 9 | 7 | 4 | 24.223 | 25.773 | 25.773 | 0.0 | -1.550 | -0.413 |
| 8 | 7 | 4 | 7.283 | 15.029 | 15.029 | 0.0 | -7.746 | -1.339 |
| 7 | 7 | 4 | 11.454 | 0.234 | 0.234 | 0.0 | 11.220 | 3.068 * |
| 5 | 7 | 4 | 6.475 | 13.993 | 13.993 | 0.0 | -7.518 | -1.306 |
| 3 | 7 | 4 | 13.951 | 15.937 | 15.937 | 0.0 | -1.986 | -0.585 |
| 2 | 7 | 4 | 11.101 | -2.105 | -2.105 | 0.0 | 8.996 | 2.440 |
| 1 | 7 | 4 | 23.282 | 22.993 | 22.993 | 0.0 | 0.289 | 0.141 |
| 0 | 8 | 4 | 50.910 | 50.572 | -50.572 | 0.0 | 0.339 | 0.216 |
| 1 | 8 | 4 | 8.875 | 5.072 | 5.072 | 0.0 | 3.803 | 0.744 |
| 2 | 8 | 4 | 10.146 | 3.657 | 3.657 | 0.0 | 6.490 | 1.578 |
| 3 | 8 | 4 | 13.745 | 13.785 | 13.785 | 0.0 | -0.040 | -0.011 |
| 4 | 8 | 4 | 35.908 | 35.082 | 35.082 | 0.0 | 0.826 | 0.501 |
| 5 | 8 | 4 | 14.203 | 15.595 | 15.595 | 0.0 | -1.282 | -0.375 |
| 0 | 6 | 0 | 337.632 | 354.231 | 354.231 | 0.0 | -16.600 | -2.758 * |
| 7 | 8 | 4 | 6.108 | 3.915 | -3.915 | 0.0 | 2.193 | 0.366 |
| 8 | 8 | 4 | 39.871 | 37.282 | -37.282 | 0.0 | 2.589 | 1.527 |
| 9 | 8 | 4 | 27.841 | 27.895 | 27.895 | 0.0 | -0.054 | -0.026 |
| 10 | 8 | 4 | 13.804 | 6.972 | -6.972 | 0.0 | 6.832 | 1.871 |
| 11 | 8 | 4 | 8.894 | 1.124 | -1.124 | 0.0 | 7.715 | 1.510 |
| 12 | 8 | 4 | 33.257 | 33.007 | 33.007 | 0.0 | 0.250 | 0.120 |
| 16 | 8 | 4 | 18.990 | 21.435 | -21.435 | 0.0 | -2.445 | -0.705 |
| 15 | 9 | 4 | 4.963 | 1.338 | -1.338 | 0.0 | 3.625 | 0.672 |
| 13 | 9 | 4 | 8.751 | 5.082 | -5.082 | 0.0 | 3.669 | 0.654 |
| 10 | 9 | 4 | 10.631 | 10.848 | 10.848 | 0.0 | -0.217 | -0.044 |
| 9 | 9 | 4 | 13.378 | 17.248 | 17.248 | 0.0 | -3.870 | -0.902 |
| 0 | 6 | 0 | 337.727 | 354.231 | 354.231 | 0.0 | -16.505 | -2.742 * |
| 7 | 9 | 4 | 6.813 | 2.815 | -2.815 | 0.0 | 3.998 | 0.682 |
| 6 | 9 | 4 | 10.749 | 5.303 | -5.303 | 0.0 | 5.446 | 1.204 |
| 4 | 9 | 4 | 5.785 | 3.159 | 3.159 | 0.0 | 2.626 | 0.405 |
| 2 | 9 | 4 | 11.101 | 10.583 | 10.583 | 0.0 | 0.518 | 0.119 |
| 0 | 10 | 4 | 16.712 | 1.807 | -1.807 | 0.0 | 14.905 | 5.098 * |
| 1 | 10 | 4 | 2.966 | 14.430 | 14.430 | 0.0 | -11.465 | -1.249 * |
| 3 | 10 | 4 | 23.450 | 20.716 | -20.716 | 0.0 | 2.934 | 1.217 |
| 4 | 10 | 4 | 25.414 | 24.660 | -24.660 | 0.0 | 0.754 | 0.322 |
| 5 | 10 | 4 | 16.345 | 16.878 | 16.878 | 0.0 | -0.533 | -0.149 |
| 8 | 10 | 4 | 21.180 | 16.481 | 16.481 | 0.0 | 4.699 | 1.903 |
| 9 | 10 | 4 | 10.675 | 3.762 | 3.762 | 0.0 | 6.913 | 1.499 |
| 11 | 10 | 4 | 18.138 | 6.024 | 6.024 | 0.0 | 12.114 | 4.081 * |
| 12 | 10 | 4 | 11.307 | 8.522 | -8.522 | 0.0 | 2.784 | 0.612 |
| 0 | 6 | 0 | 337.536 | 354.231 | 354.231 | 0.0 | -16.695 | -2.775 * |
| 7 | 11 | 4 | 12.041 | 7.114 | 7.114 | 0.0 | 4.927 | 1.096 |
| 6 | 11 | 4 | 31.726 | 31.703 | 31.703 | 0.0 | 0.023 | 0.010 |
| 5 | 11 | 4 | 10.490 | 6.859 | -6.859 | 0.0 | 3.631 | 0.741 |
| 3 | 11 | 4 | 15.846 | 0.143 | -0.143 | 0.0 | 15.703 | 4.793 * |
| 2 | 11 | 4 | 44.487 | 43.604 | -43.604 | 0.0 | 0.883 | 0.483 |
| 1 | 11 | 4 | 23.297 | 23.010 | -23.010 | 0.0 | 0.287 | 0.102 |
| 0 | 10 | 5 | 17.300 | 14.087 | -14.087 | 0.0 | 3.213 | 1.056 |
| 1 | 10 | 5 | 2.010 | 5.192 | 5.192 | 0.0 | -2.182 | -0.244 |
| 2 | 10 | 5 | 28.959 | 25.148 | -25.148 | 0.0 | 3.811 | 1.799 |
| 3 | 10 | 5 | 8.766 | 7.349 | -7.349 | 0.0 | 1.417 | 0.269 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA | 75 |
|----|----|---|---------|---------|---------|---------|---------|-------------|----|
| 5 | 10 | 5 | 14.171 | 13.453 | -13.453 | 0.0 | 0.718 | 0.167 | |
| 6 | 10 | 5 | 16.774 | 8.290 | 8.290 | 0.0 | 0.484 | 2.717 | |
| 10 | 9 | 5 | 26.164 | 27.315 | 27.316 | 0.0 | -1.152 | -0.433 | |
| 9 | 9 | 5 | 37.970 | 38.102 | 38.102 | 0.0 | -0.212 | -0.096 | |
| 8 | 9 | 5 | 34.435 | 32.910 | -32.910 | 0.0 | 1.525 | 0.724 | |
| 7 | 9 | 5 | 26.797 | 23.959 | 23.959 | 0.0 | -2.838 | 1.129 | |
| 6 | 9 | 5 | 9.955 | 16.981 | -16.981 | 0.0 | -6.996 | -1.194 | |
| 0 | 6 | 0 | 336.756 | 354.231 | 354.231 | 0.0 | -17.475 | -2.917 | * |
| 5 | 9 | 5 | 34.759 | 36.339 | -36.339 | 0.0 | -1.580 | -0.740 | |
| 3 | 9 | 5 | 45.948 | 45.512 | -45.512 | 0.0 | 0.436 | 0.246 | |
| 2 | 9 | 5 | 17.800 | 16.729 | 16.729 | 0.0 | 1.070 | 0.315 | |
| 1 | 9 | 5 | 2.702 | 0.254 | -0.254 | 0.0 | 2.447 | 0.280 | |
| 0 | 8 | 5 | 5.091 | 12.604 | -12.604 | 0.0 | -6.614 | -0.921 | |
| 1 | 8 | 5 | 23.326 | 26.953 | 26.953 | 0.0 | -3.626 | -1.239 | |
| 2 | 8 | 5 | 48.104 | 48.822 | -48.822 | 0.0 | -0.718 | -0.446 | |
| 3 | 8 | 5 | 39.149 | 43.692 | 43.692 | 0.0 | -4.543 | -2.218 | |
| 4 | 8 | 5 | 34.803 | 34.819 | 34.819 | 0.0 | -0.016 | -0.008 | |
| 5 | 8 | 5 | 29.227 | 30.896 | -30.896 | 0.0 | -1.669 | -0.566 | |
| 6 | 8 | 5 | 8.325 | 4.923 | -4.923 | 0.0 | 3.403 | 0.608 | |
| 7 | 8 | 5 | 8.164 | 16.233 | -16.233 | 0.0 | -8.069 | -1.287 | |
| 8 | 8 | 5 | 20.489 | 22.357 | -22.357 | 0.0 | -1.868 | -0.588 | |
| 9 | 8 | 5 | 51.457 | 52.072 | -52.072 | 0.0 | -0.615 | -0.359 | |
| 11 | 8 | 5 | 53.402 | 51.649 | 51.649 | 0.0 | 1.753 | 1.137 | |
| 12 | 8 | 5 | 22.488 | 22.987 | 22.987 | 0.0 | -0.498 | -0.162 | |
| 13 | 8 | 5 | 13.580 | 9.640 | -9.640 | 0.0 | 4.340 | 1.078 | |
| 0 | 6 | 0 | 336.566 | 354.231 | 354.231 | 0.0 | -17.666 | -2.949 | * |
| 12 | 7 | 5 | 23.135 | 20.343 | 20.343 | 0.0 | 2.792 | 1.092 | |
| 11 | 7 | 5 | 3.906 | 2.505 | -2.505 | 0.0 | 1.401 | 0.178 | |
| 10 | 7 | 5 | 12.584 | 9.261 | -9.261 | 0.0 | 3.324 | 0.797 | |
| 9 | 7 | 5 | 26.061 | 23.399 | 23.399 | 0.0 | 2.662 | 1.153 | |
| 7 | 7 | 5 | 11.777 | 1.280 | 1.280 | 0.0 | 10.497 | 2.738 | * |
| 6 | 7 | 5 | 1.777 | 5.025 | -5.025 | 0.0 | -3.248 | -0.347 | |
| 5 | 7 | 5 | 14.362 | 10.408 | 10.408 | 0.0 | 3.953 | 1.121 | |
| 4 | 7 | 5 | 23.311 | 22.395 | 22.395 | 0.0 | 0.917 | 0.416 | |
| 3 | 7 | 5 | 27.150 | 28.980 | 28.980 | 0.0 | -1.830 | -0.824 | |
| 1 | 7 | 5 | 11.791 | 4.738 | -4.738 | 0.0 | 7.053 | 1.785 | |
| 1 | 6 | 5 | 7.252 | 11.381 | -11.381 | 0.0 | -4.039 | -0.743 | |
| 2 | 6 | 5 | 8.927 | 15.516 | 15.516 | 0.0 | -6.588 | -1.297 | |
| 3 | 6 | 5 | 14.053 | 15.956 | -15.956 | 0.0 | -1.902 | -0.531 | |
| 4 | 6 | 5 | 12.496 | 1.732 | -1.732 | 0.0 | 10.764 | 3.173 | * |
| 5 | 6 | 5 | 4.743 | 1.262 | -1.262 | 0.0 | 3.481 | 0.511 | |
| 0 | 6 | 0 | 336.737 | 354.231 | 354.231 | 0.0 | -17.494 | -2.920 | * |
| 8 | 6 | 5 | 7.900 | 4.591 | -4.591 | 0.0 | 3.309 | 0.609 | |
| 10 | 6 | 5 | 14.303 | 11.423 | -11.423 | 0.0 | 2.880 | 0.400 | |
| 15 | 6 | 2 | 8.120 | 6.262 | -6.262 | 0.0 | 1.858 | 0.302 | |
| 18 | 5 | 5 | 15.669 | 8.730 | 8.730 | 0.0 | 6.940 | 2.072 | |
| 17 | 5 | 5 | 4.287 | 1.376 | -1.376 | 0.0 | 2.911 | 0.371 | |
| 16 | 5 | 5 | 0.177 | 6.547 | -6.547 | 0.0 | 2.630 | 0.487 | |
| 15 | 5 | 5 | 11.468 | 3.965 | 3.965 | 0.0 | 7.503 | 1.617 | |
| 14 | 5 | 5 | 7.342 | 13.410 | -13.410 | 0.0 | -6.069 | -0.961 | |
| 13 | 5 | 5 | 23.767 | 20.525 | -20.525 | 0.0 | 3.243 | 1.313 | |
| 12 | 5 | 5 | 24.223 | 27.324 | 27.324 | 0.0 | -3.100 | -1.122 | |
| 11 | 5 | 5 | 13.055 | 15.294 | -15.294 | 0.0 | -2.240 | -0.555 | |

| H | K | L | F(REF) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA | |
|----|---|---|---------|---------|----------|---------|---------|-------------|---|
| 0 | 6 | 0 | 337.727 | 354.231 | 354.231 | 0.0 | -16.505 | -7.742 | * |
| 10 | 5 | 5 | 12.408 | 17.647 | 17.647 | 0.0 | -5.239 | -1.201 | |
| 9 | 5 | 5 | 26.164 | 26.968 | 26.968 | 0.0 | -0.804 | -0.357 | |
| 7 | 5 | 5 | 39.842 | 39.847 | 39.847 | 0.0 | -0.006 | -0.003 | |
| 6 | 5 | 5 | 32.241 | 32.153 | -32.153 | 0.0 | 0.088 | 0.049 | |
| 5 | 5 | 5 | 17.285 | 19.884 | -19.884 | 0.0 | -2.599 | -0.854 | |
| 4 | 5 | 5 | 5.726 | 5.149 | 5.149 | 0.0 | 0.577 | 0.097 | |
| 2 | 5 | 5 | 16.242 | 17.855 | 17.855 | 0.0 | -1.612 | -0.528 | |
| 1 | 5 | 5 | 22.606 | 21.665 | 21.665 | 0.0 | 0.941 | 0.424 | |
| 0 | 4 | 5 | 11.965 | 13.817 | -13.817 | 0.0 | -1.852 | -0.509 | |
| 2 | 4 | 5 | 41.744 | 41.602 | 41.602 | 0.0 | 0.142 | 0.094 | |
| 3 | 4 | 5 | 30.813 | 29.387 | -29.387 | 0.0 | 1.426 | 0.829 | |
| 4 | 4 | 5 | 17.506 | 15.536 | -15.536 | 0.0 | 1.970 | 0.749 | |
| 5 | 4 | 5 | 14.568 | 13.652 | 13.652 | 0.0 | 0.915 | 0.282 | |
| 6 | 4 | 5 | 21.445 | 21.736 | 21.736 | 0.0 | -0.292 | -0.117 | |
| 7 | 4 | 5 | 5.785 | 5.234 | -5.234 | 0.0 | 0.551 | 0.093 | |
| 9 | 4 | 5 | 32.997 | 32.791 | -32.791 | 0.0 | -0.093 | -0.050 | |
| 0 | 6 | 0 | 337.536 | 354.231 | 354.231 | 0.0 | -16.255 | -7.707 | * |
| 10 | 4 | 5 | 5.800 | 3.165 | 3.165 | 0.0 | 2.635 | 0.630 | |
| 11 | 4 | 5 | 39.494 | 36.646 | -36.646 | 0.0 | 3.048 | 1.970 | |
| 13 | 4 | 5 | 19.725 | 12.646 | -12.646 | 0.0 | 7.079 | 2.646 | |
| 14 | 4 | 5 | 11.886 | 5.592 | -5.592 | 0.0 | 5.994 | 1.369 | |
| 16 | 4 | 5 | 9.574 | 4.800 | 4.800 | 0.0 | 4.774 | 0.929 | |
| 17 | 4 | 5 | 22.224 | 24.317 | -24.317 | 0.0 | -2.093 | -0.723 | |
| 18 | 4 | 5 | 29.106 | 23.995 | -23.995 | 0.0 | 5.112 | 2.296 | |
| 19 | 4 | 5 | 11.498 | 3.565 | -3.565 | 0.0 | 7.933 | 1.789 | |
| 20 | 3 | 5 | 19.497 | 20.467 | 20.467 | 0.0 | -0.860 | -0.259 | |
| 19 | 3 | 5 | 18.887 | 17.671 | -17.671 | 0.0 | 1.216 | 0.394 | |
| 18 | 3 | 5 | 28.494 | 30.334 | 30.334 | 0.0 | -1.640 | -0.619 | |
| 17 | 3 | 5 | 57.551 | 56.602 | -56.602 | 0.0 | 0.949 | 0.558 | |
| 16 | 3 | 5 | 39.576 | 42.143 | -42.143 | 0.0 | -2.567 | -1.319 | |
| 15 | 3 | 5 | 43.056 | 41.965 | 41.965 | 0.0 | 1.091 | 0.592 | |
| 14 | 3 | 5 | 21.885 | 20.197 | -20.197 | 0.0 | 1.689 | 0.631 | |
| 13 | 3 | 5 | 35.569 | 33.364 | -33.364 | 0.0 | 2.205 | 1.248 | |
| 12 | 3 | 5 | 55.538 | 55.402 | -55.402 | 0.0 | 0.136 | 0.089 | |
| 11 | 3 | 5 | 65.302 | 65.203 | -65.203 | 0.0 | 0.100 | 0.065 | |
| 0 | 6 | 0 | 337.822 | 354.231 | 354.231 | 0.0 | -16.410 | -7.726 | * |
| 10 | 3 | 5 | 67.173 | 65.938 | 65.938 | 0.0 | 1.235 | 0.792 | |
| 9 | 3 | 5 | 82.881 | 83.007 | 83.007 | 0.0 | -0.126 | -0.080 | |
| 8 | 3 | 5 | 54.961 | 54.188 | -54.188 | 0.0 | 0.773 | 0.513 | |
| 7 | 3 | 5 | 62.143 | 63.677 | 63.677 | 0.0 | -1.533 | -1.055 | |
| 6 | 3 | 5 | 48.030 | 47.392 | -47.392 | 0.0 | 0.637 | 0.427 | |
| 5 | 3 | 5 | 85.182 | 85.122 | -85.122 | 0.0 | 0.060 | 0.038 | |
| 4 | 3 | 5 | 12.614 | 10.323 | 10.323 | 0.0 | 2.291 | 0.690 | |
| 3 | 3 | 5 | 101.822 | 101.843 | -101.843 | 0.0 | -0.021 | -0.012 | |
| 2 | 3 | 5 | 53.556 | 54.345 | 54.345 | 0.0 | -0.788 | -0.580 | |
| 1 | 3 | 5 | 28.562 | 25.916 | 25.916 | 0.0 | 2.645 | 1.605 | |
| 0 | 2 | 5 | 8.883 | 8.031 | -8.031 | 0.0 | 0.852 | 0.201 | |
| 1 | 2 | 5 | 33.124 | 34.572 | 34.572 | 0.0 | -1.448 | -0.910 | |
| 2 | 2 | 5 | 58.721 | 59.216 | -59.216 | 0.0 | -0.495 | -0.355 | |
| 3 | 2 | 5 | 58.030 | 56.598 | 56.598 | 0.0 | -2.568 | -1.172 | |
| 4 | 2 | 5 | 45.874 | 45.522 | 45.522 | 0.0 | 0.352 | 0.245 | |
| 5 | 2 | 5 | 46.450 | 46.718 | -46.718 | 0.0 | -0.268 | -0.178 | |

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| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 6 | 2 | 5 | 16.477 | 17.862 | -17.862 | 0.0 | -1.385 | -0.423 |
| 7 | 2 | 5 | 22.238 | 21.471 | -21.471 | 0.0 | 0.767 | 0.337 |
| 8 | 2 | 5 | 28.797 | 27.511 | -27.511 | 0.0 | 1.286 | 0.705 |
| 9 | 2 | 5 | 68.613 | 67.671 | 67.671 | 0.0 | 0.943 | 0.629 |
| 0 | 6 | 0 | 338.203 | 354.231 | 354.231 | 0.0 | -16.028 | -2.653 |
| 11 | 2 | 5 | 70.723 | 70.274 | 70.274 | 0.0 | 0.449 | 0.296 |
| 12 | 2 | 5 | 25.032 | 25.450 | 25.450 | 0.0 | -0.418 | -0.190 |
| 14 | 2 | 5 | 17.697 | 11.608 | 11.608 | 0.0 | 6.089 | 2.181 |
| 15 | 2 | 5 | 13.554 | 13.780 | -13.780 | 0.0 | -0.226 | -0.055 |
| 16 | 2 | 5 | 11.527 | 18.571 | -18.571 | 0.0 | -7.044 | -1.359 |
| 17 | 2 | 5 | 30.884 | 37.175 | 37.175 | 0.0 | 1.709 | 0.913 |
| 18 | 2 | 5 | 19.431 | 18.446 | 18.446 | 0.0 | 0.985 | 0.322 |
| 19 | 2 | 5 | 15.331 | 14.373 | 14.373 | 0.0 | 0.958 | 0.241 |
| 20 | 2 | 5 | 11.600 | 6.467 | 6.467 | 0.0 | 5.134 | 1.117 |
| 21 | 1 | 5 | 16.933 | 13.617 | -13.617 | 0.0 | 3.316 | 0.929 |
| 19 | 1 | 5 | 11.762 | 7.057 | -7.057 | 0.0 | 4.705 | 1.017 |
| 17 | 1 | 5 | 5.932 | 10.112 | -10.112 | 0.0 | -4.180 | -0.610 |
| 16 | 1 | 5 | 6.960 | 7.050 | 7.050 | 0.0 | -0.090 | -0.016 |
| 15 | 1 | 5 | 15.082 | 8.453 | -8.453 | 0.0 | 6.629 | 2.079 |
| 14 | 1 | 5 | 13.319 | 13.052 | -13.052 | 0.0 | 0.267 | 0.070 |
| 13 | 1 | 5 | 4.275 | 16.994 | -16.994 | 0.0 | -12.619 | -1.825 |
| 0 | 6 | 0 | 337.022 | 354.231 | 354.231 | 0.0 | -17.209 | -2.862 |
| 12 | 1 | 5 | 39.709 | 37.288 | 37.288 | 0.0 | 2.421 | 1.610 |
| 11 | 1 | 5 | 6.725 | 8.038 | -8.038 | 0.0 | -1.313 | -0.226 |
| 10 | 1 | 5 | 11.130 | 7.418 | 7.418 | 0.0 | 3.712 | 0.965 |
| 9 | 1 | 5 | 5.800 | 12.373 | 12.373 | 0.0 | -6.573 | -1.071 |
| 8 | 1 | 5 | 21.944 | 17.422 | 17.422 | 0.0 | 4.522 | 2.197 |
| 7 | 1 | 5 | 29.827 | 30.229 | 30.229 | 0.0 | -0.402 | -0.212 |
| 6 | 1 | 5 | 30.372 | 29.054 | -29.054 | 0.0 | 1.317 | 0.772 |
| 4 | 1 | 5 | 16.242 | 16.129 | 16.129 | 0.0 | 0.113 | 0.040 |
| 3 | 1 | 5 | 11.997 | 13.486 | 13.486 | 0.0 | -1.489 | -0.441 |
| 2 | 1 | 5 | 12.482 | 13.081 | 13.081 | 0.0 | -0.599 | -0.181 |
| 1 | 1 | 5 | 20.768 | 14.857 | 14.857 | 0.0 | 5.911 | 3.001 |
| 0 | 0 | 6 | 81.000 | 79.986 | -79.986 | 0.0 | 1.014 | 0.635 |
| 1 | 0 | 6 | 103.229 | 101.097 | -101.097 | 0.0 | 2.232 | 1.214 |
| 2 | 0 | 6 | 13.621 | 5.173 | 5.173 | 0.0 | 8.748 | 2.683 |
| 3 | 0 | 6 | 51.590 | 50.107 | -50.107 | 0.0 | 1.483 | 1.045 |
| 4 | 0 | 6 | 5.256 | 6.667 | 6.667 | 0.0 | -1.410 | -0.213 |
| 5 | 0 | 6 | 48.990 | 48.664 | 48.664 | 0.0 | 0.326 | 0.204 |
| 6 | 0 | 6 | 4.696 | 0.276 | -0.276 | 0.0 | 4.422 | 0.672 |
| 7 | 0 | 6 | 90.390 | 89.596 | 89.596 | 0.0 | 0.794 | 0.461 |
| 0 | 6 | 0 | 337.708 | 354.231 | 354.231 | 0.0 | -16.524 | -2.765 |
| 8 | 0 | 6 | 27.488 | 29.339 | -29.339 | 0.0 | -1.851 | -0.801 |
| 9 | 0 | 6 | 19.343 | 20.665 | -20.665 | 0.0 | -1.322 | -0.437 |
| 10 | 0 | 6 | 20.548 | 18.796 | 18.796 | 0.0 | 1.751 | 0.630 |
| 11 | 0 | 6 | 20.445 | 16.785 | -16.785 | 0.0 | 3.660 | 1.297 |
| 12 | 0 | 6 | 30.257 | 30.728 | 30.728 | 0.0 | -0.471 | -0.161 |
| 13 | 0 | 6 | 70.188 | 74.799 | 74.799 | 0.0 | -4.611 | -2.629 |
| 15 | 0 | 6 | 67.098 | 67.231 | 67.231 | 0.0 | -0.133 | -0.075 |
| 16 | 0 | 6 | 15.581 | 16.460 | -16.460 | 0.0 | -0.879 | -0.223 |
| 17 | 0 | 6 | 14.700 | 20.505 | -20.505 | 0.0 | -5.809 | -1.243 |
| 17 | 1 | 6 | 5.624 | 5.405 | 5.405 | 0.0 | 0.218 | 0.030 |
| 16 | 1 | 6 | 16.874 | 17.081 | 17.081 | 0.0 | -0.207 | -0.057 |

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| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 15 | 1 | 6 | 24.675 | 22.707 | -22.707 | 0.0 | 1.972 | 0.780 |
| 14 | 1 | 6 | 36.615 | 34.502 | -34.502 | 0.0 | 2.112 | 1.120 |
| 13 | 1 | 6 | 53.347 | 53.016 | 53.016 | 0.0 | 0.334 | 0.205 |
| 11 | 1 | 6 | 12.041 | 0.101 | 0.101 | 0.0 | 11.940 | 2.842 * |
| 10 | 1 | 6 | 8.017 | 11.239 | -11.239 | 0.0 | -3.222 | -0.568 |
| 8 | 1 | 6 | 3.274 | 0.734 | -0.734 | 0.0 | 2.540 | 0.328 |
| 0 | 6 | 0 | 337.346 | 354.231 | 354.231 | 0.0 | -16.885 | -2.807 * |
| 7 | 1 | 6 | 42.746 | 41.607 | -41.607 | 0.0 | 1.139 | 0.729 |
| 6 | 1 | 6 | 32.089 | 32.913 | -32.913 | 0.0 | -0.024 | -0.012 |
| 5 | 1 | 6 | 12.070 | 11.326 | -11.326 | 0.0 | 0.744 | 0.197 |
| 4 | 1 | 6 | 12.100 | 12.520 | -12.520 | 0.0 | -0.420 | -0.107 |
| 2 | 1 | 6 | 9.280 | 16.368 | -16.368 | 0.0 | -7.088 | -1.351 |
| 1 | 1 | 6 | 55.805 | 56.010 | -56.010 | 0.0 | -0.206 | -0.135 |
| 0 | 2 | 6 | 10.690 | 9.705 | 9.705 | 0.0 | 0.985 | 0.238 |
| 1 | 2 | 6 | 16.272 | 14.694 | -14.694 | 0.0 | 1.578 | 0.554 |
| 2 | 2 | 6 | 16.624 | 17.341 | 17.341 | 0.0 | -0.717 | -0.235 |
| 3 | 2 | 6 | 35.878 | 35.431 | -35.431 | 0.0 | 0.447 | 0.251 |
| 4 | 2 | 6 | 1.321 | 11.984 | -11.984 | 0.0 | -10.663 | -1.076 * |
| 5 | 2 | 6 | 2.672 | 13.517 | -13.517 | 0.0 | -10.845 | -1.241 * |
| 9 | 2 | 6 | 15.434 | 15.803 | -15.803 | 0.0 | -0.369 | -0.103 |
| 10 | 2 | 6 | 18.583 | 16.276 | -16.276 | 0.0 | 2.307 | 0.784 |
| 11 | 2 | 6 | 32.491 | 31.748 | -31.748 | 0.0 | 0.743 | 0.341 |
| 0 | 6 | 0 | 336.547 | 354.231 | 354.231 | 0.0 | -17.685 | -2.953 * |
| 15 | 2 | 6 | 18.108 | 9.721 | -9.721 | 0.0 | 8.388 | 2.744 |
| 16 | 2 | 6 | 14.156 | 9.432 | -9.432 | 0.0 | 4.724 | 1.182 |
| 17 | 2 | 6 | 18.975 | 18.835 | -18.835 | 0.0 | 0.141 | 0.041 |
| 16 | 3 | 6 | 8.061 | 8.424 | -8.424 | 0.0 | -0.273 | -0.062 |
| 14 | 3 | 6 | 8.458 | 2.705 | -2.705 | 0.0 | 5.752 | 1.025 |
| 12 | 3 | 6 | 11.568 | 7.567 | -7.567 | 0.0 | 4.401 | 1.055 |
| 11 | 3 | 6 | 17.873 | 5.506 | -5.506 | 0.0 | 12.368 | 6.339 * |
| 7 | 3 | 6 | 0.675 | 7.791 | -7.791 | 0.0 | -7.115 | -0.684 |
| 6 | 3 | 6 | 7.562 | 6.535 | -6.535 | 0.0 | 1.026 | 0.187 |
| 5 | 3 | 6 | 10.572 | 5.822 | -5.822 | 0.0 | 4.750 | 1.108 |
| 4 | 3 | 6 | 16.092 | 15.223 | -15.223 | 0.0 | 1.768 | 0.602 |
| 3 | 3 | 6 | 7.297 | 4.081 | -4.081 | 0.0 | 3.217 | 0.581 |
| 2 | 3 | 6 | 7.253 | 2.966 | -2.966 | 0.0 | 4.308 | 0.904 |
| 0 | 6 | 0 | 337.936 | 354.231 | 354.231 | 0.0 | -16.295 | -2.707 * |
| 1 | 3 | 6 | 15.258 | 2.692 | -2.692 | 0.0 | 12.566 | 4.632 * |
| 0 | 4 | 6 | 28.974 | 25.216 | -25.216 | 0.0 | 3.758 | 2.054 |
| 1 | 4 | 6 | 14.553 | 14.695 | -14.695 | 0.0 | -0.143 | -0.041 |
| 2 | 4 | 6 | 2.349 | 6.406 | -6.406 | 0.0 | -4.057 | -0.476 |
| 3 | 4 | 6 | 26.723 | 29.665 | -29.665 | 0.0 | -2.942 | -1.227 |
| 7 | 4 | 6 | 12.848 | 11.639 | -11.639 | 0.0 | 2.209 | 0.570 |
| 8 | 4 | 6 | 13.818 | 11.086 | -11.086 | 0.0 | 2.732 | 0.732 |
| 9 | 4 | 6 | 5.785 | 11.063 | -11.063 | 0.0 | -5.278 | -0.741 |
| 11 | 4 | 6 | 7.547 | 7.916 | -7.916 | 0.0 | -0.369 | -0.061 |
| 12 | 4 | 6 | 13.833 | 8.692 | -8.692 | 0.0 | 5.141 | 1.311 |
| 13 | 4 | 6 | 5.418 | 12.674 | -12.674 | 0.0 | -7.256 | -0.865 |
| 14 | 5 | 6 | 37.366 | 30.112 | -30.112 | 0.0 | 7.254 | 4.827 |
| 13 | 5 | 6 | 51.309 | 52.833 | -52.833 | 0.0 | -1.524 | -0.799 |
| 12 | 5 | 6 | 7.929 | 0.108 | 0.108 | 0.0 | 7.821 | 1.312 |
| 0 | 6 | 0 | 336.338 | 354.231 | 354.231 | 0.0 | -17.894 | -2.988 * |
| 11 | 5 | 6 | 13.716 | 15.555 | -15.555 | 0.0 | -1.840 | -0.400 |

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| H | K | L | F(PRS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 10 | 5 | 6 | 6.666 | 5.802 | 5.802 | 0.0 | 0.864 | 0.135 |
| 9 | 5 | 6 | 18.872 | 7.228 | 7.228 | 0.0 | 11.644 | 4.717 * |
| 8 | 5 | 6 | 17.403 | 13.448 | -13.448 | 0.0 | 3.955 | 1.264 |
| 7 | 5 | 6 | 48.857 | 47.323 | 47.323 | 0.0 | 1.534 | 1.008 |
| 6 | 5 | 6 | 38.515 | 37.247 | 37.247 | 0.0 | 1.268 | 0.672 |
| 5 | 5 | 6 | 34.592 | 37.247 | -37.247 | 0.0 | -2.653 | -1.369 |
| 3 | 5 | 6 | 3.083 | 7.417 | -7.417 | 0.0 | -4.333 | -0.489 |
| 2 | 5 | 6 | 13.936 | 15.250 | -15.250 | 0.0 | -1.314 | -0.319 |
| 1 | 5 | 6 | 67.024 | 70.160 | 70.160 | 0.0 | -3.136 | -1.956 |
| 0 | 6 | 6 | 55.509 | 62.160 | -62.160 | 0.0 | -6.651 | -3.842 |
| 1 | 6 | 6 | 68.212 | 71.106 | -71.107 | 0.0 | -2.894 | -1.740 |
| 2 | 6 | 6 | 14.318 | 18.280 | 18.280 | 0.0 | -3.963 | -0.977 |
| 3 | 6 | 6 | 19.887 | 18.599 | -18.599 | 0.0 | 1.287 | 0.409 |
| 5 | 6 | 6 | 33.404 | 34.937 | 34.937 | 0.0 | -1.533 | -0.667 |
| 7 | 6 | 6 | 59.294 | 56.526 | 56.526 | 0.0 | -2.728 | -1.674 |
| 8 | 6 | 6 | 12.509 | 14.634 | -14.634 | 0.0 | -2.035 | -0.437 |
| 0 | 6 | 0 | 338.013 | 354.231 | 354.231 | 0.0 | -16.219 | -2.694 * |
| 9 | 6 | 6 | 8.428 | 2.737 | -2.737 | 0.0 | 5.691 | 1.020 |
| 11 | 6 | 6 | 12.673 | 15.375 | -15.375 | 0.0 | -2.702 | -0.599 |
| 12 | 6 | 6 | 24.003 | 24.822 | 24.822 | 0.0 | -0.820 | -0.275 |
| 10 | 7 | 6 | 11.613 | 11.868 | -11.868 | 0.0 | -0.253 | -0.049 |
| 9 | 7 | 6 | 12.702 | 14.976 | 14.976 | 0.0 | -2.274 | -0.485 |
| 8 | 7 | 6 | 3.262 | 4.205 | 4.205 | 0.0 | -0.942 | -0.097 |
| 7 | 7 | 6 | 15.155 | 17.733 | -17.733 | 0.0 | -2.578 | -0.616 |
| 6 | 7 | 6 | 17.065 | 20.850 | -20.850 | 0.0 | -3.785 | -0.980 |
| 4 | 7 | 6 | 15.317 | 9.626 | 9.626 | 0.0 | 5.691 | 1.575 |
| 3 | 7 | 6 | 16.125 | 22.114 | -22.114 | 0.0 | -5.980 | -1.527 |
| 1 | 7 | 6 | 19.064 | 14.291 | -14.291 | 0.0 | 4.773 | 1.616 |
| 1 | 8 | 6 | 12.496 | 12.962 | -12.962 | 0.0 | -0.466 | -0.096 |
| 2 | 8 | 6 | 16.918 | 1.421 | 1.421 | 0.0 | 15.487 | 5.247 * |
| 3 | 8 | 6 | 34.405 | 30.100 | -30.100 | 0.0 | 4.306 | 2.134 |
| 4 | 8 | 6 | 20.078 | 13.618 | 13.618 | 0.0 | 6.459 | 2.123 |
| 5 | 8 | 6 | 15.126 | 11.145 | 11.145 | 0.0 | 3.981 | 1.080 |
| 0 | 6 | 0 | 336.684 | 354.231 | 354.231 | 0.0 | -17.247 | -2.869 * |
| 7 | 9 | 6 | 18.799 | 10.408 | 10.408 | 0.0 | 8.391 | 2.943 |
| 0 | 6 | 7 | 10.293 | 3.079 | 3.079 | 0.0 | 7.214 | 1.392 |
| 2 | 6 | 7 | 11.865 | 1.152 | -1.152 | 0.0 | 10.713 | 2.507 * |
| 6 | 5 | 7 | 21.151 | 17.408 | -17.408 | 0.0 | 3.743 | 1.254 |
| 5 | 5 | 7 | 10.616 | 7.061 | -7.061 | 0.0 | 3.556 | 0.714 |
| 4 | 5 | 7 | 7.929 | 3.850 | 3.850 | 0.0 | 4.070 | 0.673 |
| 2 | 5 | 7 | 20.239 | 19.950 | 19.950 | 0.0 | 0.289 | 0.085 |
| 1 | 5 | 7 | 22.312 | 25.222 | -25.222 | 0.0 | -2.910 | -0.995 |
| 1 | 4 | 7 | 24.664 | 23.745 | 23.745 | 0.0 | 0.919 | 0.344 |
| 2 | 4 | 7 | 7.723 | 8.219 | 8.219 | 0.0 | -0.496 | -0.080 |
| 3 | 4 | 7 | 19.034 | 5.871 | -5.871 | 0.0 | 13.163 | 5.060 * |
| 4 | 4 | 7 | 25.164 | 23.735 | -23.735 | 0.0 | 1.430 | 0.528 |
| 5 | 4 | 7 | 20.023 | 25.547 | 25.547 | 0.0 | -5.514 | -1.590 |
| 7 | 4 | 7 | 18.623 | 13.554 | 13.554 | 0.0 | 5.069 | 1.632 |
| 0 | 6 | 0 | 336.072 | 354.231 | 354.231 | 0.0 | -18.160 | -3.034 * |
| 8 | 4 | 7 | 14.788 | 16.673 | 16.673 | 0.0 | -1.886 | -0.440 |
| 9 | 4 | 7 | 19.019 | 18.254 | 18.254 | 0.0 | 0.765 | 0.215 |
| 10 | 3 | 7 | 67.009 | 66.029 | 66.029 | 0.0 | 0.980 | 0.550 |
| 9 | 3 | 7 | 8.781 | 10.116 | -10.116 | 0.0 | -1.335 | -0.228 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 8 | 3 | 7 | 12.878 | 8.619 | -8.619 | 0.0 | 4.259 | 0.976 |
| 7 | 3 | 7 | 22.371 | 28.358 | -28.358 | 0.0 | -5.987 | -1.763 |
| 6 | 3 | 7 | 46.878 | 48.576 | -48.576 | 0.0 | -1.697 | -0.391 |
| 5 | 3 | 7 | 33.757 | 35.681 | -35.681 | 0.0 | -1.924 | -0.346 |
| 3 | 3 | 7 | 42.157 | 41.651 | 41.651 | 0.0 | 0.505 | 0.248 |
| 2 | 3 | 7 | 63.404 | 64.154 | -64.154 | 0.0 | -0.750 | -0.456 |
| 1 | 3 | 7 | 23.517 | 19.010 | 19.010 | 0.0 | 4.507 | 1.916 |
| 0 | 2 | 7 | 20.621 | 22.379 | -22.379 | 0.0 | -1.758 | -0.583 |
| 1 | 2 | 7 | 34.994 | 35.108 | -35.108 | 0.0 | -0.113 | -0.059 |
| 3 | 2 | 7 | 11.204 | 3.257 | 3.257 | 0.0 | 7.947 | 1.718 |
| 4 | 2 | 7 | 51.295 | 50.910 | 50.910 | 0.0 | 0.385 | 0.239 |
| 5 | 2 | 7 | 16.233 | 15.243 | -15.243 | 0.0 | 0.990 | 0.288 |
| 6 | 2 | 7 | 9.667 | 1.612 | -1.612 | 0.0 | 8.255 | 1.592 |
| 7 | 2 | 7 | 10.308 | 2.693 | -2.693 | 0.0 | 7.615 | 1.552 |
| 0 | 6 | 0 | 336.737 | 354.231 | -354.231 | 0.0 | -17.494 | -2.920 * |
| 8 | 2 | 7 | 36.158 | 36.032 | -36.032 | 0.0 | 0.126 | 0.064 |
| 9 | 2 | 7 | 30.740 | 27.365 | -27.365 | 0.0 | 3.375 | 1.470 |
| 10 | 2 | 7 | 7.488 | 2.713 | 2.713 | 0.0 | 4.775 | 0.792 |
| 11 | 2 | 7 | 31.402 | 32.972 | -32.972 | 0.0 | -1.069 | -0.448 |
| 12 | 1 | 7 | 15.140 | 3.630 | 3.630 | 0.0 | 11.510 | 3.363 |
| 11 | 1 | 7 | 6.440 | 13.119 | -13.119 | 0.0 | -6.679 | -0.902 * |
| 9 | 1 | 7 | 22.224 | 18.701 | -18.701 | 0.0 | 3.523 | 1.362 |
| 8 | 1 | 7 | 4.361 | 3.809 | 3.809 | 0.0 | 0.552 | 0.070 |
| 4 | 1 | 7 | 5.844 | 3.616 | 3.616 | 0.0 | 2.228 | 0.326 |
| 2 | 1 | 7 | 14.377 | 8.126 | 8.126 | 0.0 | 6.250 | 1.695 |
| 1 | 1 | 7 | 22.444 | 23.457 | -23.457 | 0.0 | -1.013 | -0.352 |

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| M | K | I | F(CPS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|-----|---|---|---------|---------|----------|---------|---------|-------------|
| 0 | 6 | 0 | 326.688 | 334.474 | 334.474 | 0.0 | -7.786 | -1.298 * |
| 4 | 0 | 0 | 185.667 | 182.549 | -183.549 | 0.0 | 2.118 | 0.712 |
| 6 | 0 | 0 | 17.044 | 18.756 | -18.756 | 0.0 | 0.288 | 0.235 |
| 8 | 0 | 0 | 101.085 | 108.110 | 108.110 | 0.0 | -7.025 | -4.373 |
| 10 | 0 | 0 | 10.558 | 4.812 | 4.812 | 0.0 | 5.746 | 2.264 |
| 12 | 0 | 0 | 274.258 | 267.558 | -262.558 | 0.0 | 11.710 | 2.456 |
| 14 | 0 | 0 | 21.643 | 20.862 | -20.862 | 0.0 | 0.986 | 0.481 |
| 16 | 0 | 0 | 147.890 | 149.582 | 149.582 | 0.0 | -1.692 | -0.698 |
| 18 | 0 | 0 | 1.516 | 3.038 | 3.038 | 0.0 | -1.522 | -0.184 |
| 20 | 0 | 0 | 143.499 | 142.107 | -142.107 | 0.0 | 1.382 | 0.576 |
| 22 | 0 | 0 | 5.831 | 4.847 | -4.847 | 0.0 | 0.982 | 0.164 |
| 24 | 1 | 0 | 22.361 | 24.939 | -24.939 | 0.0 | -2.577 | -0.767 |
| 26 | 1 | 0 | 7.980 | 13.404 | -13.404 | 0.0 | -5.424 | -0.932 |
| 28 | 1 | 0 | 73.762 | 22.325 | 22.325 | 0.0 | 1.438 | 0.594 |
| 30 | 1 | 0 | 8.511 | 9.226 | -9.226 | 0.0 | -0.715 | -0.150 |
| 32 | 1 | 0 | 46.987 | 48.082 | -48.082 | 0.0 | -1.125 | -0.807 |
| 34 | 1 | 0 | 2.105 | 3.288 | -3.288 | 0.0 | -1.182 | -0.153 |
| 36 | 1 | 0 | 124.532 | 125.266 | 125.266 | 0.0 | -0.733 | -0.357 |
| 38 | 1 | 0 | 10.204 | 1.299 | -1.299 | 0.0 | 8.915 | 2.855 |
| 40 | 6 | 0 | 327.645 | 334.474 | 334.474 | 0.0 | -6.829 | -1.082 * |
| 42 | 1 | 0 | 48.796 | 47.993 | 47.993 | 0.0 | 0.803 | 0.773 |
| 44 | 1 | 0 | 261.447 | 259.932 | 259.932 | 0.0 | 1.514 | 0.342 |
| 46 | 1 | 0 | 14.108 | 7.454 | 7.454 | 0.0 | 6.654 | 4.805 |
| 48 | 1 | 0 | 85.813 | 86.842 | -86.842 | 0.0 | -1.029 | -0.776 |
| 50 | 2 | 0 | 10.626 | 10.373 | -10.373 | 0.0 | 0.253 | 0.348 |
| 52 | 2 | 0 | 6.027 | 2.796 | 2.796 | 0.0 | 3.241 | 1.117 |
| 54 | 2 | 0 | 195.643 | 198.116 | -198.116 | 0.0 | -2.473 | -0.684 |
| 56 | 2 | 0 | 10.705 | 11.485 | -11.485 | 0.0 | -0.780 | -0.392 |
| 58 | 2 | 0 | 82.622 | 82.885 | 82.885 | 0.0 | -0.262 | -0.192 |
| 60 | 2 | 0 | 17.114 | 18.414 | 18.414 | 0.0 | -1.299 | -0.961 |
| 62 | 2 | 0 | 7.391 | 9.512 | -9.512 | 0.0 | -2.121 | -0.498 |
| 64 | 2 | 0 | 6.773 | 1.821 | -1.821 | 0.0 | 4.952 | 1.038 |
| 66 | 2 | 0 | 67.248 | 66.848 | 66.848 | 0.0 | 0.399 | 0.291 |
| 68 | 2 | 0 | 8.225 | 7.084 | 7.084 | 0.0 | 1.141 | 0.332 |
| 70 | 2 | 0 | 27.485 | 28.254 | 28.254 | 0.0 | -1.759 | -0.731 |
| 72 | 2 | 0 | 11.830 | 3.987 | 3.987 | 0.0 | 7.842 | 1.884 |
| 74 | 3 | 0 | 8.805 | 13.860 | -13.860 | 0.0 | -5.054 | -0.839 |
| 76 | 6 | 0 | 327.286 | 334.474 | 334.474 | 0.0 | -7.088 | -1.180 * |
| 78 | 3 | 0 | 14.697 | 3.187 | -3.187 | 0.0 | 10.510 | 2.572 * |
| 80 | 3 | 0 | 3.911 | 3.245 | 3.245 | 0.0 | 0.715 | 0.103 |
| 82 | 3 | 0 | 6.217 | 9.918 | 9.918 | 0.0 | -0.702 | -0.177 |
| 84 | 3 | 0 | 46.171 | 44.455 | 44.455 | 0.0 | 1.716 | 1.331 |
| 86 | 3 | 0 | 0.972 | 0.062 | -0.062 | 0.0 | 0.930 | 0.117 |
| 88 | 3 | 0 | 12.738 | 6.399 | -6.399 | 0.0 | 6.338 | 2.640 |
| 90 | 3 | 0 | 11.780 | 6.861 | -6.861 | 0.0 | 4.919 | 2.272 |
| 92 | 3 | 0 | 43.223 | 41.126 | -41.126 | 0.0 | 2.097 | 2.284 |
| 94 | 3 | 0 | 15.591 | 15.363 | 15.363 | 0.0 | 0.189 | 0.139 |
| 96 | 3 | 0 | 48.173 | 49.559 | -49.559 | 0.0 | -0.386 | -0.414 |
| 98 | 4 | 0 | 25.918 | 25.675 | 25.675 | 0.0 | 1.244 | 1.278 |
| 100 | 4 | 0 | 8.584 | 7.755 | -7.755 | 0.0 | 0.829 | 0.366 |
| 102 | 4 | 0 | 50.522 | 63.444 | -63.444 | 0.0 | -2.921 | -2.651 |
| 104 | 4 | 0 | 10.734 | 4.828 | -4.828 | 0.0 | 5.906 | 2.491 |
| 106 | 4 | 0 | 64.934 | 64.039 | -64.039 | 0.0 | 0.896 | 0.732 |

| H | K | I | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/STGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 10 | 2 | 0 | 26.182 | 28.406 | 28.406 | 0.0 | -2.224 | -1.436 |
| 12 | 4 | 0 | 15.086 | 15.210 | -15.210 | 0.0 | -0.204 | -0.074 |
| 14 | 4 | 0 | 12.060 | 2.625 | 2.629 | 0.0 | 5.431 | 3.064 |
| 0 | 6 | 0 | 326.448 | 334.474 | 334.474 | 0.0 | -7.026 | -1.304 * |
| 16 | 4 | 0 | 43.227 | 44.418 | 44.418 | 0.0 | -1.092 | -0.752 |
| 20 | 4 | 0 | 45.845 | 47.300 | 47.300 | 0.0 | -1.535 | -1.015 |
| 22 | 4 | 0 | 4.615 | 13.004 | -13.004 | 0.0 | -8.179 | -1.267 |
| 24 | 4 | 0 | 10.000 | 21.519 | 21.519 | 0.0 | -2.519 | -0.750 |
| 26 | 4 | 0 | 10.793 | 5.030 | 5.030 | 0.0 | 4.963 | 1.043 |
| 22 | 5 | 0 | 21.632 | 17.282 | -17.282 | 0.0 | 4.150 | 1.618 |
| 20 | 5 | 0 | 16.888 | 14.019 | 14.019 | 0.0 | 0.860 | 0.278 |
| 18 | 5 | 0 | 51.393 | 50.865 | 50.865 | 0.0 | 0.528 | 0.367 |
| 16 | 5 | 0 | 5.507 | 5.056 | 5.056 | 0.0 | -0.450 | -0.079 |
| 14 | 5 | 0 | 185.683 | 183.873 | -183.873 | 0.0 | 1.811 | 0.589 |
| 12 | 5 | 0 | 4.605 | 7.647 | 7.647 | 0.0 | -3.142 | -0.501 |
| 10 | 5 | 0 | 15.602 | 16.391 | -16.391 | 0.0 | -0.589 | -0.221 |
| 8 | 5 | 0 | 11.029 | 12.124 | -12.124 | 0.0 | -1.095 | -0.356 |
| 6 | 5 | 0 | 145.472 | 148.468 | -148.468 | 0.0 | -0.776 | -0.331 |
| 2 | 6 | 0 | 200.785 | 204.406 | 204.406 | 0.0 | -3.621 | -1.115 |
| 0 | 6 | 0 | 325.891 | 334.474 | 334.474 | 0.0 | -8.583 | -1.437 * |
| 2 | 6 | 0 | 11.633 | 9.644 | 9.644 | 0.0 | 1.989 | 0.693 |
| 0 | 6 | 0 | 327.027 | 334.474 | 334.474 | 0.0 | -7.447 | -1.260 * |
| 4 | 6 | 0 | 70.867 | 82.861 | -82.861 | 0.0 | -2.974 | -2.084 |
| 6 | 6 | 0 | 5.271 | 8.515 | -8.515 | 0.0 | -3.244 | -0.607 |
| 8 | 6 | 0 | 110.875 | 119.327 | 119.327 | 0.0 | 0.548 | 0.276 |
| 10 | 6 | 0 | 12.310 | 8.402 | -8.402 | 0.0 | 3.908 | 1.190 |
| 12 | 6 | 0 | 112.004 | 112.378 | -112.378 | 0.0 | 0.526 | 0.275 |
| 14 | 6 | 0 | 19.588 | 17.020 | -17.020 | 0.0 | 2.968 | 1.451 |
| 16 | 6 | 0 | 60.671 | 60.088 | 60.088 | 0.0 | 0.583 | 0.407 |
| 18 | 6 | 0 | 3.666 | 4.897 | 4.897 | 0.0 | -1.231 | -0.167 |
| 20 | 6 | 0 | 109.202 | 110.280 | -110.280 | 0.0 | -1.078 | -0.534 |
| 22 | 6 | 0 | 5.551 | 1.290 | 1.290 | 0.0 | 4.261 | 0.637 |
| 24 | 6 | 0 | 10.175 | 10.121 | -10.121 | 0.0 | 2.053 | 0.645 |
| 22 | 7 | 0 | 18.528 | 15.986 | -15.986 | 0.0 | 2.542 | 0.829 |
| 18 | 7 | 0 | 11.307 | 14.015 | 14.015 | 0.0 | -2.518 | -0.593 |
| 14 | 7 | 0 | 11.839 | 10.230 | -10.230 | 0.0 | 1.609 | 0.444 |
| 12 | 7 | 0 | 56.314 | 56.324 | 56.324 | 0.0 | -1.009 | -0.730 |
| 10 | 7 | 0 | 11.471 | 3.022 | -3.022 | 0.0 | 8.449 | 2.472 |
| 8 | 7 | 0 | 64.566 | 65.833 | 65.833 | 0.0 | -1.267 | -0.928 |
| 6 | 7 | 0 | 30.078 | 31.603 | 31.603 | 0.0 | -1.525 | -0.922 |
| 4 | 7 | 0 | 326.967 | 334.474 | 334.474 | 0.0 | -7.507 | -1.250 * |
| 2 | 7 | 0 | 19.617 | 21.248 | 21.248 | 0.0 | -2.631 | -1.059 |
| 0 | 8 | 0 | 17.069 | 14.767 | 14.767 | 0.0 | 2.272 | 0.907 |
| 2 | 8 | 0 | 56.584 | 62.184 | 62.184 | 0.0 | -2.600 | -1.858 |
| 4 | 8 | 0 | 11.382 | 12.950 | -12.950 | 0.0 | -1.568 | -0.453 |
| 6 | 8 | 0 | 82.381 | 82.788 | -82.788 | 0.0 | -0.407 | -0.273 |
| 8 | 8 | 0 | 8.582 | 3.637 | 3.637 | 0.0 | 5.345 | 1.401 |
| 10 | 8 | 0 | 28.071 | 28.405 | 28.405 | 0.0 | -0.335 | -0.190 |
| 12 | 8 | 0 | 15.766 | 12.372 | 12.372 | 0.0 | 3.154 | 1.123 |
| 14 | 8 | 0 | 40.726 | 40.513 | -40.513 | 0.0 | 0.222 | 0.147 |
| 16 | 8 | 0 | 10.322 | 2.809 | 2.809 | 0.0 | 7.513 | 1.903 |
| 18 | 8 | 0 | 56.578 | 57.519 | 57.519 | 0.0 | -0.941 | -0.603 |
| 18 | 8 | 0 | 9.394 | 1.532 | -1.532 | 0.0 | 7.862 | 1.663 |

| H | K | L | F(ORS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 20 | 8 | 0 | 6.970 | 3.363 | -3.363 | 0.0 | 3.606 | 0.577 |
| 22 | 8 | 0 | 7.156 | 3.604 | -3.604 | 0.0 | 3.551 | 0.536 |
| 18 | 8 | 0 | 10.690 | 0.043 | -0.043 | 0.0 | 10.647 | 2.317 * |
| 14 | 8 | 0 | 23.187 | 18.060 | 18.060 | 0.0 | 5.127 | 2.398 |
| 12 | 8 | 0 | 13.283 | 4.994 | 4.994 | 0.0 | 8.289 | 2.558 |
| 10 | 8 | 0 | 12.767 | 11.272 | -11.272 | 0.0 | 1.495 | 0.449 |
| 0 | 6 | 0 | 325.165 | 334.474 | 334.474 | 0.0 | -6.309 | -1.045 * |
| 8 | 8 | 0 | 15.080 | 13.251 | -13.251 | 0.0 | 1.829 | 0.606 |
| 5 | 8 | 0 | 24.706 | 27.132 | 27.132 | 0.0 | -2.425 | -1.119 |
| 2 | 8 | 0 | 4.570 | 4.504 | -4.504 | 0.0 | 2.416 | 0.697 |
| 0 | 10 | 0 | 56.578 | 56.275 | -56.275 | 0.0 | 0.304 | 0.215 |
| 4 | 10 | 0 | 10.552 | 10.158 | -10.158 | 0.0 | 0.400 | 0.098 |
| 8 | 10 | 0 | 25.400 | 29.281 | -29.281 | 0.0 | -3.881 | -1.634 |
| 10 | 10 | 0 | 11.382 | 0.110 | 0.110 | 0.0 | 11.273 | 2.921 * |
| 12 | 10 | 0 | 16.701 | 17.685 | 17.685 | 0.0 | -0.984 | -0.290 |
| 16 | 10 | 0 | 3.607 | 1.619 | 1.619 | 0.0 | 1.989 | 0.238 |
| 18 | 10 | 0 | 11.368 | 3.427 | 3.427 | 0.0 | 7.941 | 1.659 |
| 14 | 11 | 0 | 68.816 | 67.697 | -67.697 | 0.0 | 1.119 | 0.651 |
| 10 | 11 | 0 | 9.683 | 10.364 | -10.364 | 0.0 | -0.682 | -0.169 |
| 8 | 11 | C | 17.747 | 1.440 | -1.440 | 0.0 | 16.308 | 6.466 * |
| 6 | 11 | 0 | 69.474 | 65.907 | -65.907 | 0.0 | 3.567 | 2.340 |
| 0 | 6 | 0 | 326.210 | 334.474 | 334.474 | 0.0 | -8.264 | -1.378 * |
| 2 | 11 | 0 | 54.334 | 53.071 | 53.071 | 0.0 | 1.262 | 0.794 |
| 0 | 12 | 0 | 80.052 | 74.945 | 74.945 | 0.0 | 5.133 | 3.051 |
| 2 | 12 | 0 | 15.493 | 3.960 | -3.960 | 0.0 | 11.532 | 3.692 * |
| 4 | 12 | 0 | 7.677 | 5.319 | 5.319 | 0.0 | 2.358 | 0.458 |
| 8 | 12 | 0 | 20.771 | 20.252 | 20.252 | 0.0 | 0.519 | 0.039 |
| 12 | 12 | 0 | 24.282 | 24.635 | -24.635 | 0.0 | -2.352 | -0.790 |
| 4 | 13 | 0 | 2.494 | 0.241 | 0.241 | 0.0 | 2.453 | 0.274 |
| 2 | 12 | 0 | 26.211 | 25.514 | 25.514 | 0.0 | 0.697 | 0.268 |
| 7 | 13 | 1 | 10.631 | 0.922 | -0.922 | 0.0 | 9.709 | 2.140 |
| 6 | 13 | 1 | 17.059 | 4.938 | -4.938 | 0.0 | 12.121 | 3.956 * |
| 5 | 13 | 1 | 10.729 | 0.949 | -0.949 | 0.0 | 9.300 | 1.913 |
| 4 | 13 | 1 | 11.648 | 6.784 | 6.784 | 0.0 | 4.864 | 1.035 |
| 3 | 13 | 1 | 2.886 | 8.736 | -8.736 | 0.0 | -5.850 | -0.642 |
| 1 | 13 | 1 | 9.777 | 12.507 | 12.507 | 0.0 | -2.730 | -0.518 |
| 0 | 4 | 0 | 325.732 | 334.474 | 334.474 | 0.0 | -8.642 | -1.447 * |
| 0 | 12 | 1 | 10.690 | 8.347 | -8.347 | 0.0 | 2.344 | 0.517 |
| 2 | 12 | 1 | 12.119 | 3.048 | 3.048 | 0.0 | 9.071 | 2.387 |
| 4 | 12 | 1 | 14.726 | 8.977 | 8.977 | 0.0 | 5.749 | 1.719 |
| 5 | 12 | 1 | 15.951 | 14.596 | -14.596 | 0.0 | 0.955 | 0.266 |
| 6 | 12 | 1 | 8.835 | 5.719 | 5.719 | 0.0 | 3.116 | 0.608 |
| 7 | 12 | 1 | 15.227 | 3.419 | -3.419 | 0.0 | 11.808 | 3.927 * |
| 8 | 12 | 1 | 7.318 | 2.641 | -2.641 | 0.0 | 4.677 | 0.785 |
| 11 | 12 | 1 | 7.097 | 7.144 | 7.144 | 0.0 | -0.047 | -0.008 |
| 12 | 12 | 1 | 0.951 | 4.045 | 4.045 | 0.0 | -3.254 | -0.291 |
| 15 | 11 | 1 | 14.108 | 14.784 | -14.784 | 0.0 | -0.677 | -0.165 |
| 14 | 11 | 1 | 16.872 | 14.905 | 14.905 | 0.0 | 1.972 | 0.567 |
| 13 | 11 | 1 | 11.829 | 13.829 | 13.829 | 0.0 | -1.990 | -0.441 |
| 12 | 11 | 1 | 5.989 | 3.323 | 3.323 | 0.0 | 2.566 | 0.386 |
| 11 | 11 | 1 | 16.686 | 17.026 | 17.026 | 0.0 | -0.340 | -0.096 |
| 10 | 11 | 1 | 16.951 | 13.238 | -13.238 | 0.0 | 3.613 | 1.162 |
| 9 | 11 | 1 | 13.121 | 8.746 | -8.746 | 0.0 | 4.375 | 1.188 |

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| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 0 | 0 | 0 | 327.625 | 334.474 | 334.474 | 0.0 | -6.848 | -1.136 * |
| 7 | 11 | 1 | 22.081 | 22.417 | -22.617 | 0.0 | 1.234 | 0.516 |
| 6 | 11 | 1 | 27.203 | 27.782 | -27.782 | 0.0 | -0.482 | -0.211 |
| 4 | 11 | 1 | 20.629 | 27.664 | -27.664 | 0.0 | 1.764 | 0.842 |
| 3 | 11 | 1 | 10.837 | 11.398 | -11.398 | 0.0 | -0.560 | -0.134 |
| 3 | 11 | 1 | 20.386 | 11.531 | -11.531 | 0.0 | 8.854 | 4.086 |
| 2 | 11 | 1 | 21.550 | 21.107 | -21.107 | 0.0 | 0.443 | 0.184 |
| 1 | 11 | 1 | 15.660 | 10.719 | -19.719 | 0.0 | -4.020 | -1.161 |
| 0 | 10 | 1 | 30.521 | 26.917 | -26.917 | 0.0 | 3.605 | 2.141 |
| 1 | 10 | 1 | 33.258 | 28.932 | -28.932 | 0.0 | -4.366 | -2.687 |
| 2 | 10 | 1 | 26.689 | 27.528 | -27.528 | 0.0 | -0.930 | -0.430 |
| 3 | 10 | 1 | 13.145 | 8.446 | -8.446 | 0.0 | 4.719 | 1.490 |
| 6 | 10 | 1 | 19.231 | 17.188 | -17.188 | 0.0 | 2.342 | 0.975 |
| 7 | 10 | 1 | 16.774 | 16.645 | -16.645 | 0.0 | 0.129 | 0.046 |
| 8 | 10 | 1 | 12.390 | 12.217 | -12.217 | 0.0 | 0.182 | 0.049 |
| 9 | 10 | 1 | 2.886 | 10.265 | -10.265 | 0.0 | -7.379 | -0.890 |
| 10 | 10 | 1 | 10.026 | 0.177 | 0.177 | 0.0 | 10.749 | 2.744 * |
| 11 | 10 | 1 | 16.036 | 13.945 | -13.945 | 0.0 | 2.690 | 0.751 |
| 0 | 0 | 0 | 326.679 | 334.474 | 334.474 | 0.0 | -8.025 | -1.338 * |
| 12 | 10 | 1 | 19.351 | 16.401 | -16.401 | 0.0 | 1.950 | 0.665 |
| 14 | 10 | 1 | 17.025 | 14.654 | -16.454 | 0.0 | 0.371 | 0.114 |
| 15 | 10 | 1 | 11.756 | 5.248 | -5.248 | 0.0 | 6.488 | 1.430 |
| 18 | 10 | 1 | 17.006 | 12.284 | -12.284 | 0.0 | 5.522 | 1.837 |
| 20 | 0 | 1 | 14.815 | 7.775 | 7.775 | 0.0 | 7.040 | 1.999 |
| 19 | 0 | 1 | 12.434 | 19.802 | -19.802 | 0.0 | -7.168 | -1.419 |
| 18 | 0 | 1 | 18.970 | 16.876 | -16.876 | 0.0 | 2.095 | 0.637 |
| 17 | 0 | 1 | 16.268 | 22.518 | -22.518 | 0.0 | -3.150 | -0.967 |
| 16 | 0 | 1 | 21.762 | 14.905 | -14.905 | 0.0 | 6.837 | 2.972 |
| 14 | 0 | 1 | 19.090 | 15.488 | -15.488 | 0.0 | 4.102 | 1.546 |
| 12 | 0 | 1 | 53.368 | 52.190 | -52.190 | 0.0 | 1.178 | 0.793 |
| 11 | 0 | 1 | 58.868 | 58.798 | -58.798 | 0.0 | 0.071 | 0.044 |
| 10 | 0 | 1 | 55.285 | 54.654 | -54.654 | 0.0 | 0.601 | 0.421 |
| 9 | 0 | 1 | 65.009 | 65.211 | -65.211 | 0.0 | -0.202 | -0.137 |
| 8 | 0 | 1 | 31.701 | 35.195 | -35.195 | 0.0 | -3.404 | -1.815 |
| 0 | 0 | 0 | 326.270 | 334.474 | 334.474 | 0.0 | -8.204 | -1.368 * |
| 7 | 0 | 1 | 19.558 | 19.953 | -19.953 | 0.0 | -1.395 | -0.567 |
| 6 | 0 | 1 | 24.485 | 25.452 | -25.452 | 0.0 | -0.967 | -0.464 |
| 5 | 0 | 1 | 26.403 | 28.252 | -28.252 | 0.0 | -1.849 | -0.942 |
| 4 | 0 | 1 | 8.310 | 5.984 | -5.984 | 0.0 | 2.335 | 0.541 |
| 3 | 0 | 1 | 33.579 | 33.502 | -33.502 | 0.0 | 0.077 | 0.048 |
| 2 | 0 | 1 | 48.613 | 48.613 | -48.613 | 0.0 | -0.203 | -0.149 |
| 1 | 0 | 1 | 36.193 | 38.196 | -38.196 | 0.0 | -1.203 | -0.746 |
| 0 | 8 | 1 | 18.625 | 18.592 | -18.592 | 0.0 | -0.168 | -0.065 |
| 1 | 8 | 1 | 8.315 | 8.262 | -8.262 | 0.0 | -2.947 | -0.545 |
| 2 | 8 | 1 | 64.887 | 66.907 | -66.907 | 0.0 | -2.420 | -1.903 |
| 3 | 8 | 1 | 95.254 | 97.608 | -97.608 | 0.0 | -2.354 | -1.400 |
| 4 | 8 | 1 | 72.615 | 75.160 | -75.160 | 0.0 | -2.546 | -1.772 |
| 5 | 8 | 1 | 57.686 | 55.709 | -55.709 | 0.0 | 1.777 | 1.312 |
| 6 | 8 | 1 | 11.648 | 10.744 | -10.744 | 0.0 | 0.904 | 0.268 |
| 7 | 8 | 1 | 37.732 | 41.890 | -41.890 | 0.0 | -4.158 | -2.628 |
| 8 | 8 | 1 | 61.033 | 61.907 | -61.907 | 0.0 | -0.074 | -0.054 |
| 9 | 8 | 1 | 41.231 | 37.891 | -37.891 | 0.0 | 3.540 | 2.544 |
| 10 | 8 | 1 | 17.511 | 16.799 | -16.799 | 0.0 | 0.712 | 0.279 |

| H | K | L | F(NRS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 11 | 8 | 1 | 23.654 | 24.932 | -24.932 | 0.0 | -0.978 | -0.449 |
| 12 | 8 | 1 | 30.676 | 31.916 | -31.916 | 0.0 | -1.040 | -0.568 |
| U | 6 | 0 | 326.613 | 334.674 | 334.674 | 0.0 | -6.861 | -1.494 * |
| 13 | 8 | 1 | 45.312 | 43.031 | 43.031 | 0.0 | 2.280 | 1.524 |
| 15 | 8 | 1 | 41.624 | 41.411 | 41.411 | 0.0 | 0.213 | 0.136 |
| 16 | 8 | 1 | 32.441 | 34.877 | 34.877 | 0.0 | -2.436 | -1.161 |
| 17 | 8 | 1 | 27.747 | 26.587 | -26.587 | 0.0 | 0.761 | 0.320 |
| 18 | 8 | 1 | 25.266 | 21.078 | 21.078 | 0.0 | 4.219 | 2.000 |
| 19 | 8 | 1 | 7.391 | 19.008 | -19.008 | 0.0 | -2.617 | -0.424 |
| 20 | 8 | 1 | 16.961 | 12.480 | -12.480 | 0.0 | 4.472 | 1.331 |
| 22 | 8 | 1 | 27.598 | 25.088 | 25.088 | 0.0 | 2.511 | 1.031 |
| 23 | 7 | 1 | 4.062 | 0.144 | 0.144 | 0.0 | 4.818 | 0.612 |
| 21 | 7 | 1 | 6.287 | 5.051 | -5.051 | 0.0 | 1.236 | 0.187 |
| 20 | 7 | 1 | 4.829 | 0.306 | -0.306 | 0.0 | 4.523 | 0.628 |
| 15 | 7 | 1 | 19.643 | 20.306 | -20.306 | 0.0 | -0.662 | -0.124 |
| 16 | 7 | 1 | 13.607 | 17.872 | 17.872 | 0.0 | -4.266 | -1.177 |
| 15 | 7 | 1 | 16.038 | 6.730 | -6.730 | 0.0 | 9.307 | 3.428 |
| 14 | 7 | 1 | 10.096 | 0.659 | 0.659 | 0.0 | 9.438 | 2.389 |
| 0 | 6 | 0 | 326.688 | 334.674 | 334.674 | 0.0 | -7.786 | -1.298 * |
| 12 | 7 | 1 | 23.748 | 20.269 | 20.269 | 0.0 | 3.479 | 1.734 |
| 11 | 7 | 1 | 19.467 | 20.176 | -20.176 | 0.0 | -0.719 | -0.301 |
| 10 | 7 | 1 | 16.038 | 19.469 | 19.469 | 0.0 | -3.431 | -1.265 |
| 9 | 7 | 1 | 37.910 | 39.837 | 39.837 | 0.0 | -1.927 | -1.372 |
| 8 | 7 | 1 | 33.595 | 34.481 | 34.481 | 0.0 | -0.976 | -0.601 |
| 7 | 7 | 1 | 5.168 | 4.061 | -4.061 | 0.0 | 1.106 | 0.200 |
| 6 | 7 | 1 | 12.649 | 8.736 | 8.736 | 0.0 | 3.914 | 1.302 |
| 5 | 7 | 1 | 20.636 | 18.892 | 18.892 | 0.0 | 1.745 | 0.822 |
| 4 | 7 | 1 | 24.721 | 26.419 | 26.419 | 0.0 | -1.698 | -0.853 |
| 3 | 7 | 1 | 23.821 | 27.438 | -27.438 | 0.0 | -3.617 | -1.751 |
| 2 | 7 | 1 | 16.605 | 15.639 | 15.639 | 0.0 | -1.133 | -0.381 |
| 1 | 6 | 1 | 10.675 | 5.950 | 5.950 | 0.0 | 4.825 | 1.598 |
| 2 | 6 | 1 | 0.938 | 6.778 | 6.778 | 0.0 | 2.159 | 0.611 |
| 3 | 6 | 1 | 21.137 | 25.179 | 25.179 | 0.0 | -4.042 | -1.904 |
| 4 | 6 | 1 | 15.664 | 16.751 | 16.751 | 0.0 | -0.787 | -0.360 |
| 5 | 6 | 1 | 13.062 | 4.036 | -4.036 | 0.0 | 9.026 | 3.330 |
| 8 | 6 | 1 | 14.093 | 9.302 | -9.302 | 0.0 | 4.791 | 1.662 |
| 9 | 6 | 1 | 7.559 | 13.807 | 13.807 | 0.0 | -6.248 | -1.306 |
| 11 | 6 | 1 | 9.639 | 1.227 | 1.227 | 0.0 | 8.712 | 2.606 |
| 12 | 6 | 1 | 8.481 | 1.975 | -1.975 | 0.0 | 6.506 | 1.655 |
| 13 | 6 | 1 | 13.816 | 17.248 | -17.248 | 0.0 | -3.322 | -1.093 |
| 14 | 6 | 1 | 11.589 | 11.611 | -11.611 | 0.0 | -0.022 | -0.006 |
| 15 | 6 | 1 | 7.156 | 13.599 | -13.599 | 0.0 | -6.443 | -1.183 |
| 16 | 6 | 1 | 7.382 | 7.469 | -7.469 | 0.0 | -0.107 | -0.022 |
| 18 | 6 | 1 | 4.676 | 5.260 | 5.260 | 0.0 | -0.784 | -0.115 |
| 19 | 6 | 1 | 9.468 | 2.074 | -2.074 | 0.0 | 7.394 | 1.668 |
| 21 | 6 | 1 | 1.889 | 3.117 | -3.117 | 0.0 | -1.219 | -0.132 |
| 22 | 6 | 1 | 7.244 | 2.333 | -2.333 | 0.0 | 4.911 | 0.864 |
| 23 | 6 | 1 | 11.382 | 0.508 | 0.508 | 0.0 | 10.875 | 2.685 * |
| 24 | 6 | 1 | 6.199 | 5.096 | -5.096 | 0.0 | 1.112 | 0.160 |
| 25 | 5 | 1 | 9.733 | 13.076 | -13.076 | 0.0 | -3.353 | -0.598 |
| 0 | 6 | 0 | 326.728 | 334.674 | 334.674 | 0.0 | -7.746 | -1.291 * |
| 23 | 5 | 1 | 17.282 | 5.880 | -5.880 | 0.0 | 11.212 | 3.823 * |
| 21 | 5 | 1 | 15.659 | 19.215 | 19.215 | 0.0 | -3.516 | -1.047 |

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| H | K | L | F(CALC) | F(CALC) | Δ(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 10 | 5 | 1 | 13.568 | 12.425 | 12.425 | 0.0 | 1.123 | 0.322 |
| 10 | 5 | 1 | 8.349 | 17.109 | -17.109 | 0.0 | -8.761 | -1.690 |
| 17 | 5 | 1 | 11.147 | 10.763 | -10.763 | 0.0 | 0.384 | 0.102 |
| 15 | 4 | 1 | 15.051 | 18.861 | -18.861 | 0.0 | -3.811 | -1.129 |
| 15 | 5 | 1 | 33.915 | 33.998 | -33.998 | 0.0 | -0.183 | -0.118 |
| 16 | 5 | 1 | 46.319 | 42.768 | 42.768 | 0.0 | 1.551 | 1.114 |
| 13 | 5 | 1 | 29.551 | 30.053 | 30.053 | 0.0 | -0.462 | -0.272 |
| 11 | 5 | 1 | 9.561 | 8.812 | 8.812 | 0.0 | 0.720 | 0.176 |
| 10 | 5 | 1 | 32.382 | 32.623 | -22.623 | 0.0 | -0.241 | -0.159 |
| 9 | 5 | 1 | 36.697 | 35.700 | -35.700 | 0.0 | 0.997 | 0.710 |
| 8 | 5 | 1 | 27.288 | 30.058 | 30.058 | 0.0 | -2.769 | -1.564 |
| 7 | 5 | 1 | 65.770 | 66.158 | -66.158 | 0.0 | -0.388 | -0.302 |
| 6 | 5 | 1 | 58.914 | 58.025 | 58.025 | 0.0 | 0.889 | 0.738 |
| 5 | 5 | 1 | 74.502 | 74.259 | 74.259 | 0.0 | 0.242 | 0.184 |
| 4 | 5 | 1 | 33.401 | 34.110 | 34.110 | 0.0 | -0.708 | -0.564 |
| 0 | 6 | 0 | 327.027 | 334.474 | 334.474 | 0.0 | -7.447 | -1.240 |
| 3 | 5 | 1 | 42.512 | 43.347 | 43.347 | 0.0 | -0.835 | -0.742 |
| 2 | 5 | 1 | 56.682 | 59.834 | -59.834 | 0.0 | -3.151 | -2.825 |
| 1 | 5 | 1 | 20.943 | 24.457 | -24.457 | 0.0 | -3.514 | -2.095 |
| 0 | 4 | 1 | 9.718 | 1.481 | -1.481 | 0.0 | 8.237 | 4.237 |
| 1 | 4 | 1 | 44.467 | 45.733 | -45.733 | 0.0 | -1.266 | -1.315 |
| 2 | 4 | 1 | 77.565 | 80.760 | -80.760 | 0.0 | -3.216 | -2.492 |
| 3 | 4 | 1 | 49.079 | 50.913 | 50.913 | 0.0 | -1.835 | -1.819 |
| 4 | 4 | 1 | 45.993 | 49.054 | 49.054 | 0.0 | -3.061 | -2.050 |
| 5 | 4 | 1 | 77.050 | 78.257 | -78.257 | 0.0 | -1.207 | -0.925 |
| 6 | 4 | 1 | 29.148 | 30.747 | 30.747 | 0.0 | -1.599 | -1.259 |
| 7 | 4 | 1 | 28.759 | 30.290 | -30.290 | 0.0 | -1.530 | -1.152 |
| 8 | 4 | 1 | 15.678 | 14.582 | -14.582 | 0.0 | 4.696 | 2.870 |
| 9 | 4 | 1 | 10.199 | 9.896 | 9.896 | 0.0 | 0.293 | 0.089 |
| 11 | 4 | 1 | 13.415 | 10.876 | 10.876 | 0.0 | 2.539 | 0.849 |
| 12 | 4 | 1 | 11.623 | 8.327 | 8.327 | 0.0 | 3.295 | 0.984 |
| 13 | 4 | 1 | 11.515 | 11.320 | -11.320 | 0.0 | 0.195 | 0.056 |
| 14 | 4 | 1 | 23.217 | 23.969 | -23.969 | 0.0 | -0.753 | -0.393 |
| 15 | 4 | 1 | 15.360 | 16.518 | -16.518 | 0.0 | -1.158 | -0.389 |
| 16 | 4 | 1 | 27.023 | 28.732 | -28.732 | 0.0 | -1.709 | -0.871 |
| 0 | 6 | 0 | 324.042 | 334.474 | 334.474 | 0.0 | -10.431 | -1.758 |
| 17 | 4 | 1 | 32.121 | 31.356 | 31.356 | 0.0 | 7.762 | 1.104 |
| 18 | 4 | 1 | 26.810 | 26.287 | -26.287 | 0.0 | 0.522 | 0.161 |
| 19 | 4 | 1 | 7.553 | 10.582 | -10.582 | 0.0 | -3.029 | -0.591 |
| 21 | 4 | 1 | 14.620 | 14.946 | -14.946 | 0.0 | -13.320 | -1.353 |
| 22 | 4 | 1 | 31.594 | 33.588 | -33.588 | 0.0 | -2.003 | -0.990 |
| 23 | 4 | 1 | 26.244 | 29.405 | -29.405 | 0.0 | -3.061 | -1.172 |
| 24 | 4 | 1 | 18.897 | 17.836 | -17.836 | 0.0 | 1.061 | 0.333 |
| 25 | 4 | 1 | 16.007 | 23.930 | 22.930 | 0.0 | -7.923 | -1.758 |
| 26 | 4 | 1 | 21.663 | 17.065 | -17.065 | 0.0 | 4.898 | 1.898 |
| 26 | 3 | 1 | 19.044 | 16.592 | -16.592 | 0.0 | 2.052 | 0.624 |
| 25 | 3 | 1 | 22.685 | 19.816 | -19.816 | 0.0 | 2.870 | 1.030 |
| 24 | 3 | 1 | 25.987 | 21.880 | 21.880 | 0.0 | 4.007 | 1.899 |
| 23 | 3 | 1 | 30.388 | 31.853 | -31.853 | 0.0 | -1.475 | -0.657 |
| 22 | 3 | 1 | 53.003 | 54.883 | 54.883 | 0.0 | -0.080 | -0.611 |
| 21 | 3 | 1 | 51.704 | 52.470 | 52.470 | 0.0 | -0.765 | -0.510 |
| 20 | 3 | 1 | 17.894 | 15.493 | 15.493 | 0.0 | 2.401 | 0.947 |
| 10 | 3 | 1 | 40.884 | 40.288 | 40.288 | 0.0 | 0.596 | 0.391 |

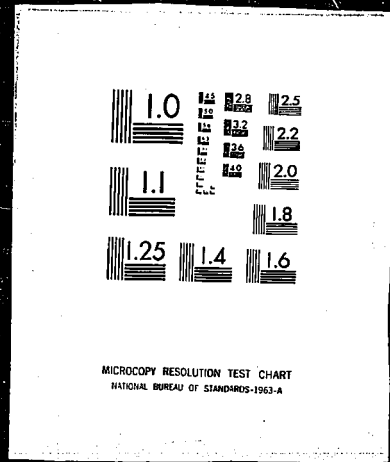
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| H | K | L | F(OBS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/STOMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 10 | 3 | 1 | 53.650 | 53.664 | -53.664 | 0.0 | -0.014 | -0.009 |
| 17 | 3 | 1 | 75.670 | 75.886 | -75.886 | 0.0 | -0.215 | -0.147 |
| 0 | 6 | 0 | 324.678 | 324.674 | 324.674 | 0.0 | -9.776 | -1.466 * |
| 14 | 3 | 1 | 22.184 | 25.168 | -25.168 | 0.0 | -2.983 | -1.307 |
| 15 | 3 | 1 | 21.064 | 23.425 | -23.425 | 0.0 | -2.362 | -0.989 |
| 16 | 3 | 1 | 54.442 | 54.480 | 54.480 | 0.0 | 0.038 | 0.039 |
| 13 | 3 | 1 | 17.231 | 19.256 | 19.256 | 0.0 | -2.025 | -0.743 |
| 12 | 3 | 1 | 130.207 | 133.004 | -133.004 | 0.0 | -2.797 | -1.280 |
| 11 | 3 | 1 | 201.717 | 194.821 | 194.821 | 0.0 | -6.896 | -3.071 |
| 10 | 3 | 1 | 176.136 | 174.646 | -174.646 | 0.0 | -1.490 | -0.650 |
| 9 | 3 | 1 | 165.068 | 163.716 | -163.716 | 0.0 | 1.332 | 0.499 |
| 8 | 3 | 1 | 67.615 | 69.695 | -69.695 | 0.0 | -0.870 | -0.702 |
| 7 | 3 | 1 | 82.653 | 81.513 | -81.513 | 0.0 | 1.140 | 1.061 |
| 6 | 3 | 1 | 157.713 | 154.240 | 154.240 | 0.0 | 1.473 | 0.583 |
| 5 | 3 | 1 | 164.664 | 163.824 | 163.824 | 0.0 | 0.841 | 0.310 |
| 4 | 3 | 1 | 55.612 | 50.896 | 50.896 | 0.0 | -4.716 | -4.734 |
| 3 | 3 | 1 | 74.421 | 79.423 | 79.423 | 0.0 | -5.001 | -3.700 |
| 2 | 3 | 1 | 148.615 | 157.160 | -157.160 | 0.0 | -8.545 | -3.615 |
| 1 | 3 | 1 | 175.294 | 188.553 | -188.553 | 0.0 | -13.259 | -4.712 * |
| 0 | 2 | 1 | 45.208 | 47.556 | 47.556 | 0.0 | -2.348 | -2.641 |
| 1 | 2 | 1 | 9.305 | 10.036 | 10.036 | 0.0 | -0.730 | -0.326 |
| 2 | 2 | 1 | 135.095 | 139.104 | -139.104 | 0.0 | -4.009 | -1.878 |
| 3 | 2 | 1 | 158.285 | 159.373 | -159.373 | 0.0 | -1.088 | -0.433 |
| 0 | 2 | 0 | 324.330 | 324.474 | 324.474 | 0.0 | -0.144 | -1.358 * |
| 4 | 2 | 1 | 134.971 | 134.774 | 134.774 | 0.0 | 0.197 | 0.092 |
| 5 | 2 | 1 | 133.150 | 133.100 | 133.100 | 0.0 | 0.050 | 0.034 |
| 6 | 2 | 1 | 14.152 | 13.667 | -13.667 | 0.0 | 0.484 | 0.329 |
| 7 | 2 | 1 | 101.809 | 99.650 | 99.650 | 0.0 | 2.160 | 1.327 |
| 8 | 2 | 1 | 98.088 | 97.261 | 97.261 | 0.0 | 0.827 | 0.519 |
| 9 | 2 | 1 | 66.683 | 63.415 | -63.415 | 0.0 | 2.669 | 2.207 |
| 10 | 2 | 1 | 26.757 | 24.775 | 24.775 | 0.0 | 1.982 | 1.510 |
| 11 | 2 | 1 | 47.417 | 48.055 | -48.055 | 0.0 | -0.638 | -0.532 |
| 12 | 2 | 1 | 55.285 | 55.681 | -55.681 | 0.0 | -0.397 | -0.318 |
| 13 | 2 | 1 | 55.956 | 57.169 | 57.169 | 0.0 | -1.213 | -1.157 |
| 14 | 2 | 1 | 6.520 | 7.024 | 7.024 | 0.0 | -0.504 | -0.021 |
| 15 | 2 | 1 | 49.567 | 47.643 | 47.643 | 0.0 | 1.924 | 1.441 |
| 16 | 2 | 1 | 58.064 | 56.942 | 56.942 | 0.0 | 1.104 | 0.863 |
| 17 | 2 | 1 | 53.868 | 52.672 | -52.672 | 0.0 | 1.216 | 0.871 |
| 18 | 2 | 1 | 36.293 | 37.901 | 37.901 | 0.0 | -1.608 | -2.253 |
| 19 | 2 | 1 | 8.275 | 8.467 | -8.467 | 0.0 | -0.192 | -0.041 |
| 20 | 2 | 1 | 15.330 | 12.833 | -12.833 | 0.0 | 2.497 | 0.865 |
| 22 | 2 | 1 | 40.869 | 41.156 | 41.156 | 0.0 | -0.287 | -0.165 |
| 23 | 2 | 1 | 46.493 | 50.103 | 50.103 | 0.0 | -3.610 | -1.960 |
| 0 | 6 | 0 | 324.281 | 324.474 | 324.474 | 0.0 | -0.193 | -1.717 * |
| 21 | 2 | 1 | 33.678 | 33.683 | 33.683 | 0.0 | -0.006 | -0.003 |
| 25 | 2 | 1 | 38.060 | 39.092 | -39.092 | 0.0 | -0.131 | -0.067 |
| 26 | 2 | 1 | 26.846 | 23.943 | 23.943 | 0.0 | 2.903 | 1.347 |
| 24 | 1 | 1 | 5.619 | 6.056 | -6.056 | 0.0 | -0.137 | -0.020 |
| 23 | 1 | 1 | 7.715 | 1.661 | -1.661 | 0.0 | 6.054 | 1.111 |
| 22 | 1 | 1 | 8.084 | 4.890 | -4.890 | 0.0 | 3.193 | 0.667 |
| 21 | 1 | 1 | 13.533 | 12.649 | 12.649 | 0.0 | 0.884 | 0.255 |
| 20 | 1 | 1 | 8.525 | 3.421 | -3.421 | 0.0 | 5.104 | 1.183 |
| 18 | 1 | 1 | 8.452 | 4.730 | -4.730 | 0.0 | 3.721 | 0.874 |

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| H | K | I | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 17 | 1 | 1 | 3.534 | 4.367 | -4.367 | 0.0 | -0.833 | -0.129 |
| 14 | 1 | 1 | 31.776 | 33.499 | -33.499 | 0.0 | -1.723 | -1.166 |
| 15 | 1 | 1 | 30.069 | 28.618 | -28.618 | 0.0 | 1.450 | 0.873 |
| 16 | 1 | 1 | 34.170 | 35.262 | -35.262 | 0.0 | -1.092 | -0.724 |
| 13 | 1 | 1 | 29.104 | 31.399 | -31.399 | 0.0 | -2.295 | -1.370 |
| 12 | 1 | 1 | 16.671 | 15.190 | -15.190 | 0.0 | 1.481 | 0.648 |
| 0 | 0 | 0 | 325.016 | 334.474 | -334.474 | 0.0 | -0.458 | -1.586 |
| 11 | 1 | 1 | 17.747 | 13.630 | -13.630 | 0.0 | 4.317 | 2.093 |
| 10 | 1 | 1 | 13.224 | 17.256 | -17.256 | 0.0 | -4.033 | -1.711 |
| 8 | 1 | 1 | 47.817 | 47.486 | -47.486 | 0.0 | 0.331 | 0.338 |
| 7 | 1 | 1 | 55.463 | 54.949 | -54.949 | 0.0 | 0.514 | 0.501 |
| 6 | 1 | 1 | 52.692 | 52.681 | -52.681 | 0.0 | 0.300 | 0.306 |
| 5 | 1 | 1 | 85.376 | 84.909 | -84.909 | 0.0 | 0.467 | 0.341 |
| 4 | 1 | 1 | 59.671 | 59.684 | -59.684 | 0.0 | 0.287 | 0.272 |
| 3 | 1 | 1 | 7.598 | 11.487 | -11.487 | 0.0 | -4.059 | -1.523 |
| 2 | 1 | 1 | 37.659 | 36.048 | -36.048 | 0.0 | 1.610 | 1.910 |
| 1 | 1 | 1 | 19.556 | 17.154 | -17.154 | 0.0 | 1.802 | 1.652 |
| 0 | 0 | 2 | 19.531 | 20.357 | -20.357 | 0.0 | -0.827 | -0.692 |
| 1 | 0 | 2 | 107.553 | 107.498 | -107.498 | 0.0 | 0.055 | 0.032 |
| 2 | 0 | 2 | 163.849 | 161.231 | -161.231 | 0.0 | 2.610 | 0.999 |
| 3 | 0 | 2 | 210.674 | 217.782 | -217.782 | 0.0 | -6.809 | -1.964 |
| 4 | 0 | 2 | 65.233 | 65.514 | -65.514 | 0.0 | -0.281 | -0.251 |
| 5 | 0 | 2 | 240.590 | 237.041 | -237.041 | 0.0 | 3.549 | 0.875 |
| 6 | 0 | 2 | 6.399 | 1.651 | -1.651 | 0.0 | 4.739 | 1.540 |
| 7 | 0 | 2 | 182.688 | 188.360 | -188.360 | 0.0 | -4.628 | -1.470 |
| 8 | 0 | 2 | 59.122 | 59.347 | -59.347 | 0.0 | -0.224 | -0.191 |
| 0 | 0 | 0 | 323.693 | 334.474 | -334.474 | 0.0 | -10.441 | -1.768 |
| 0 | 0 | 2 | 175.440 | 173.621 | -173.621 | 0.0 | 1.819 | 0.639 |
| 11 | 0 | 2 | 186.747 | 183.882 | -183.882 | 0.0 | 2.865 | 0.936 |
| 12 | 0 | 2 | 21.373 | 24.000 | -24.000 | 0.0 | -2.627 | -1.149 |
| 13 | 0 | 2 | 73.019 | 73.332 | -73.332 | 0.0 | -0.313 | -0.227 |
| 14 | 0 | 2 | 5.109 | 3.239 | -3.239 | 0.0 | 1.870 | 0.321 |
| 15 | 0 | 2 | 75.071 | 74.678 | -74.678 | 0.0 | 0.393 | 0.267 |
| 16 | 0 | 2 | 29.399 | 32.023 | -32.023 | 0.0 | -2.624 | -1.481 |
| 17 | 0 | 2 | 85.723 | 85.561 | -85.561 | 0.0 | 0.162 | 0.100 |
| 18 | 0 | 2 | 36.860 | 38.418 | -38.418 | 0.0 | -1.558 | -0.924 |
| 19 | 0 | 2 | 37.540 | 38.148 | -38.148 | 0.0 | -0.608 | -0.384 |
| 21 | 0 | 2 | 22.833 | 22.825 | -22.825 | 0.0 | 0.008 | 0.003 |
| 22 | 0 | 2 | 71.872 | 75.227 | -75.227 | 0.0 | -3.405 | -2.147 |
| 23 | 0 | 2 | 84.563 | 84.500 | -84.500 | 0.0 | -3.936 | -2.235 |
| 24 | 0 | 2 | 9.276 | 14.520 | -14.520 | 0.0 | -5.243 | -0.937 |
| 25 | 0 | 2 | 38.250 | 43.406 | -43.406 | 0.0 | -5.156 | -2.437 |
| 26 | 0 | 2 | 25.473 | 23.660 | -23.660 | 0.0 | 1.813 | 0.749 |
| 0 | 0 | 0 | 323.904 | 334.474 | -334.474 | 0.0 | -10.570 | -1.782 |
| 24 | 1 | 2 | 19.914 | 21.287 | -21.287 | 0.0 | -1.373 | -0.439 |
| 23 | 1 | 2 | 36.283 | 36.975 | -36.975 | 0.0 | -0.692 | -0.366 |
| 22 | 1 | 2 | 12.222 | 17.692 | -17.692 | 0.0 | -5.770 | -1.337 |
| 21 | 1 | 2 | 12.529 | 13.979 | -13.979 | 0.0 | -1.050 | -0.283 |
| 20 | 1 | 2 | 14.844 | 14.216 | -14.216 | 0.0 | 0.628 | 0.196 |
| 19 | 1 | 2 | 15.817 | 15.820 | -15.820 | 0.0 | -0.003 | -0.001 |
| 18 | 1 | 2 | 5.168 | 5.413 | -5.413 | 0.0 | -0.245 | -0.041 |
| 17 | 1 | 2 | 60.373 | 61.723 | -61.723 | 0.0 | -1.350 | -0.964 |
| 16 | 1 | 2 | 52.803 | 53.727 | -53.727 | 0.0 | -0.924 | -0.707 |

CARD 3 OF 4



| H | K | L | F(CRF) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 15 | 1 | 2 | 10.234 | 6.530 | 6.530 | 0.0 | 3.704 | 1.006 |
| 14 | 1 | 2 | 3.451 | 3.256 | 3.256 | 0.0 | 0.195 | 0.059 |
| 12 | 1 | 2 | 110.562 | 111.568 | -111.568 | 0.0 | -1.006 | -0.343 |
| 11 | 1 | 2 | 110.454 | 109.347 | -109.347 | 0.0 | 1.107 | 0.718 |
| 10 | 1 | 2 | 29.281 | 30.115 | -30.115 | 0.0 | -0.834 | -0.538 |
| 9 | 1 | 2 | 80.683 | 80.708 | 80.708 | 0.0 | 0.025 | 0.195 |
| 8 | 1 | 2 | 50.021 | 60.240 | -60.240 | 0.0 | -2.218 | -1.911 |
| 7 | 1 | 2 | 44.526 | 43.275 | 43.275 | 0.0 | 1.252 | 1.207 |
| 6 | 1 | 2 | 19.206 | 15.808 | 15.808 | 0.0 | 3.398 | 2.620 |
| 5 | 1 | 2 | 103.224 | 101.292 | -101.292 | 0.0 | 1.932 | 1.175 |
| 0 | 6 | 0 | 325.453 | 334.474 | 334.474 | 0.0 | -9.021 | -1.511 |
| 4 | 1 | 2 | 47.006 | 43.730 | 43.730 | 0.0 | 4.176 | 4.332 |
| 3 | 1 | 2 | 53.465 | 54.615 | -54.615 | 0.0 | -0.951 | -0.955 |
| 2 | 1 | 2 | 27.233 | 26.967 | -26.967 | 0.0 | 0.266 | 0.400 |
| 1 | 1 | 2 | 60.701 | 60.628 | 60.628 | 0.0 | 0.073 | 0.069 |
| 0 | 2 | 2 | 11.250 | 8.427 | 8.427 | 0.0 | 2.813 | 1.565 |
| 1 | 2 | 2 | 34.746 | 37.417 | 37.417 | 0.0 | -2.671 | -2.963 |
| 2 | 2 | 2 | 6.597 | 5.035 | -5.035 | 0.0 | 1.562 | 0.518 |
| 3 | 2 | 2 | 67.985 | 67.995 | 67.995 | 0.0 | 1.270 | 1.075 |
| 4 | 2 | 2 | 3.561 | 1.147 | -1.147 | 0.0 | 2.414 | 0.654 |
| 5 | 2 | 2 | 27.097 | 26.115 | -26.115 | 0.0 | 0.981 | 0.831 |
| 6 | 2 | 2 | 62.876 | 59.767 | 59.767 | 0.0 | 3.109 | 2.708 |
| 7 | 2 | 2 | 92.817 | 92.132 | -92.132 | 0.0 | 0.685 | 0.444 |
| 8 | 2 | 2 | 16.347 | 16.726 | 16.726 | 0.0 | -0.379 | -0.185 |
| 9 | 2 | 2 | 73.932 | 74.130 | 74.130 | 0.0 | -0.197 | -0.146 |
| 10 | 2 | 2 | 30.590 | 31.485 | 31.485 | 0.0 | -0.894 | -0.395 |
| 11 | 2 | 2 | 29.046 | 18.083 | 18.083 | 0.0 | 1.063 | 0.925 |
| 12 | 2 | 2 | 12.291 | 17.675 | -17.675 | 0.0 | -5.384 | -1.585 |
| 13 | 2 | 2 | 34.923 | 34.718 | -34.718 | 0.0 | 0.206 | 0.141 |
| 14 | 2 | 2 | 13.651 | 14.907 | -14.907 | 0.0 | -1.256 | -0.391 |
| 15 | 2 | 2 | 27.097 | 30.043 | -30.043 | 0.0 | -2.946 | -1.175 |
| 0 | 6 | 0 | 326.220 | 334.474 | 334.474 | 0.0 | -8.254 | -1.375 |
| 17 | 2 | 2 | 14.682 | 16.815 | -16.815 | 0.0 | -2.132 | -0.717 |
| 18 | 2 | 2 | 40.795 | 40.746 | -40.746 | 0.0 | 0.049 | 0.032 |
| 19 | 2 | 2 | 38.315 | 38.611 | 38.611 | 0.0 | 0.296 | 0.496 |
| 21 | 2 | 2 | 20.710 | 20.640 | -20.640 | 0.0 | 0.070 | 0.019 |
| 22 | 2 | 2 | 21.578 | 21.574 | -21.574 | 0.0 | -0.004 | -0.002 |
| 23 | 2 | 2 | 10.823 | 6.903 | 6.903 | 0.0 | 3.920 | 0.842 |
| 24 | 2 | 2 | 17.062 | 8.997 | -8.997 | 0.0 | 8.072 | 2.513 |
| 26 | 3 | 2 | 6.110 | 1.835 | 1.835 | 0.0 | 4.275 | 0.628 |
| 25 | 3 | 2 | 12.414 | 6.907 | 6.907 | 0.0 | 5.507 | 1.359 |
| 24 | 3 | 2 | 19.619 | 6.058 | -6.058 | 0.0 | 13.561 | 5.542 |
| 19 | 3 | 2 | 11.103 | 11.339 | -11.339 | 0.0 | -0.236 | -0.080 |
| 0 | 6 | 0 | 324.975 | 334.474 | 334.474 | 0.0 | -9.498 | -1.593 |
| 17 | 3 | 2 | 4.876 | 5.599 | -5.599 | 0.0 | 0.723 | 0.177 |
| 16 | 3 | 2 | 4.034 | 6.650 | -6.650 | 0.0 | -2.616 | -0.406 |
| 15 | 3 | 2 | 17.172 | 18.081 | 18.081 | 0.0 | -0.909 | -0.376 |
| 13 | 3 | 2 | 13.017 | 4.254 | -4.254 | 0.0 | 8.764 | 2.960 |
| 11 | 3 | 2 | 4.697 | 5.111 | -5.111 | 0.0 | -0.415 | -0.070 |
| 0 | 3 | 2 | 18.337 | 16.933 | 16.933 | 0.0 | 1.403 | 0.652 |
| 8 | 3 | 2 | 20.256 | 16.919 | -16.919 | 0.0 | 3.337 | 2.050 |
| 6 | 3 | 2 | 4.550 | 3.651 | 3.651 | 0.0 | 0.898 | 0.200 |
| 5 | 3 | 2 | 18.838 | 15.961 | 15.961 | 0.0 | 2.876 | 1.626 |

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| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 4 | 3 | 2 | 44.897 | 42.558 | -42.558 | 0.0 | 2.330 | 2.223 |
| 3 | 3 | 2 | 38.812 | 39.954 | -39.954 | 0.0 | -1.141 | -1.029 |
| 2 | 3 | 2 | 6.594 | 7.920 | -7.920 | 0.0 | -0.435 | -0.293 |
| 1 | 3 | 2 | 4.314 | 2.332 | -2.332 | 0.0 | 1.982 | 0.499 |
| 2 | 4 | 2 | 28.528 | 31.922 | -31.922 | 0.0 | -2.394 | -2.466 |
| 0 | 4 | 2 | 48.084 | 69.954 | -69.954 | 0.0 | -1.870 | -1.508 |
| 3 | 4 | 2 | 37.496 | 37.440 | -37.440 | 0.0 | 0.056 | 0.050 |
| 4 | 4 | 2 | 8.666 | 0.034 | 0.034 | 0.0 | -0.560 | -0.171 |
| 6 | 4 | 2 | 28.251 | 28.647 | -28.647 | 0.0 | -0.256 | -0.193 |
| 7 | 4 | 2 | 39.324 | 37.084 | -37.084 | 0.0 | 1.240 | 1.035 |
| 8 | 4 | 2 | 8.957 | 0.471 | 0.471 | 0.0 | 0.495 | 2.364 |
| 9 | 4 | 2 | 7.972 | 8.768 | -8.768 | 0.0 | -0.990 | -0.703 |
| 10 | 4 | 2 | 18.183 | 17.316 | -17.316 | 0.0 | 0.873 | 0.377 |
| 11 | 4 | 2 | 14.255 | 13.434 | -13.434 | 0.0 | 0.821 | 0.272 |
| 12 | 4 | 2 | 12.855 | 6.006 | -6.006 | 0.0 | 5.860 | 1.940 |
| 13 | 4 | 2 | 5.727 | 5.305 | -5.305 | 0.0 | 0.422 | 0.083 |
| 14 | 4 | 2 | 21.742 | 19.067 | -19.067 | 0.0 | 2.675 | 1.385 |
| 15 | 4 | 2 | 6.125 | 0.697 | 0.697 | 0.0 | 5.428 | 1.072 |
| 16 | 4 | 2 | 8.746 | 7.100 | -7.100 | 0.0 | 1.646 | 0.379 |
| 17 | 4 | 2 | 12.870 | 15.014 | -15.014 | 0.0 | -2.144 | -0.625 |
| 18 | 4 | 2 | 18.758 | 16.661 | -16.661 | 0.0 | -0.503 | -0.300 |
| 19 | 4 | 2 | 3.651 | 8.366 | -8.366 | 0.0 | -4.715 | -0.644 |
| 20 | 4 | 2 | 6.214 | 1.476 | 1.476 | 0.0 | 4.840 | 0.845 |
| 22 | 4 | 2 | 18.794 | 15.364 | -15.364 | 0.0 | 3.430 | 1.130 |
| 0 | 6 | 0 | 325.215 | 334.474 | -334.474 | 0.0 | -9.250 | -1.552 |
| 23 | 4 | 2 | 14.250 | 6.463 | 6.463 | 0.0 | 7.836 | 2.123 |
| 24 | 4 | 2 | 2.430 | 2.378 | -2.378 | 0.0 | 0.552 | 0.062 |
| 25 | 4 | 2 | 6.749 | 10.573 | -10.573 | 0.0 | -4.404 | -0.622 |
| 24 | 4 | 2 | 6.154 | 1.706 | -1.706 | 0.0 | 4.449 | 0.664 |
| 23 | 5 | 2 | 28.853 | 76.956 | -76.956 | 0.0 | 1.896 | 0.893 |
| 22 | 5 | 2 | 17.644 | 17.405 | -17.405 | 0.0 | 0.149 | 0.048 |
| 21 | 5 | 2 | 10.323 | 23.064 | -23.064 | 0.0 | -3.740 | -1.153 |
| 20 | 5 | 2 | 8.967 | 11.947 | -11.947 | 0.0 | -2.980 | -0.593 |
| 19 | 5 | 2 | 23.344 | 24.384 | -24.384 | 0.0 | -0.990 | -0.402 |
| 17 | 5 | 2 | 49.018 | 50.612 | -50.612 | 0.0 | -1.594 | -1.033 |
| 16 | 5 | 2 | 20.725 | 21.875 | -21.875 | 0.0 | -1.151 | -0.431 |
| 15 | 5 | 2 | 28.085 | 31.449 | -31.449 | 0.0 | -3.364 | -1.540 |
| 14 | 5 | 2 | 12.178 | 6.695 | -6.695 | 0.0 | 5.682 | 1.662 |
| 13 | 5 | 2 | 27.097 | 29.006 | -29.006 | 0.0 | -1.910 | -1.019 |
| 12 | 5 | 2 | 60.459 | 73.096 | -73.096 | 0.0 | -3.637 | -2.561 |
| 11 | 5 | 2 | 87.004 | 87.378 | -87.378 | 0.0 | -0.374 | -0.241 |
| 10 | 5 | 2 | 33.785 | 33.247 | -33.247 | 0.0 | 0.538 | 0.350 |
| 9 | 5 | 2 | 125.351 | 123.722 | -123.722 | 0.0 | 1.629 | 0.786 |
| 8 | 5 | 2 | 30.232 | 30.026 | -30.026 | 0.0 | 0.206 | 0.138 |
| 0 | 6 | 0 | 324.201 | 334.474 | -334.474 | 0.0 | -10.272 | -1.751 |
| 7 | 5 | 2 | 52.373 | 52.392 | -52.392 | 0.0 | -0.019 | -0.015 |
| 6 | 5 | 2 | 24.279 | 23.580 | -23.580 | 0.0 | 0.690 | 0.390 |
| 5 | 5 | 2 | 73.463 | 73.528 | -73.528 | 0.0 | -0.060 | -0.044 |
| 4 | 5 | 2 | 7.863 | 17.230 | -17.230 | 0.0 | -9.368 | -2.128 |
| 3 | 5 | 2 | 117.245 | 120.620 | -120.620 | 0.0 | -3.375 | -1.757 |
| 2 | 5 | 2 | 16.701 | 22.317 | -22.317 | 0.0 | -5.617 | -2.324 |
| 1 | 5 | 2 | 59.048 | 61.309 | -61.309 | 0.0 | -2.261 | -1.787 |

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| H | K | I | F(NPS) | F(CALC) | A(CALC) | P(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 0 | E | 2 | 8.084 | 11.319 | 11.019 | 0.0 | -3.735 | -0.837 |
| 1 | E | 2 | 26.069 | 27.466 | 27.466 | 0.0 | -1.417 | -0.321 |
| 2 | E | 2 | 116.308 | 129.857 | -129.857 | 0.0 | -6.649 | -2.493 |
| 3 | E | 2 | 137.028 | 142.786 | 142.786 | 0.0 | -5.757 | -2.581 |
| 4 | E | 2 | 35.012 | 33.997 | -33.997 | 0.0 | 1.015 | 0.694 |
| 5 | E | 2 | 100.457 | 101.844 | -101.844 | 0.0 | -1.387 | -0.808 |
| 7 | E | 2 | 86.763 | 88.520 | -88.520 | 0.0 | -1.759 | -1.121 |
| 8 | E | 2 | 27.853 | 27.384 | 27.334 | 0.0 | 0.509 | 0.300 |
| 9 | E | 2 | 108.896 | 109.862 | 109.862 | 0.0 | -1.256 | -0.674 |
| 10 | E | 2 | 25.252 | 27.674 | 27.674 | 0.0 | -2.622 | -1.246 |
| 11 | E | 2 | 78.745 | 77.731 | 77.731 | 0.0 | 1.014 | 0.683 |
| 12 | E | 2 | 15.870 | 12.983 | -12.983 | 0.0 | 4.886 | 3.361 |
| 0 | E | 0 | 324.303 | 334.474 | 334.474 | 0.0 | -10.471 | -1.765 * |
| 13 | E | 2 | 39.283 | 34.646 | -34.646 | 0.0 | 3.737 | 2.659 |
| 14 | E | 2 | 10.234 | 12.390 | 12.390 | 0.0 | -2.156 | -0.539 |
| 15 | E | 2 | 47.417 | 45.499 | -45.499 | 0.0 | 1.918 | 1.362 |
| 16 | E | 2 | 20.153 | 19.712 | 19.712 | 0.0 | 0.421 | 0.330 |
| 17 | E | 2 | 41.190 | 40.137 | 40.137 | 0.0 | 1.042 | 0.629 |
| 18 | E | 2 | 18.071 | 19.316 | 19.316 | 0.0 | 1.245 | 1.424 |
| 19 | E | 2 | 27.510 | 29.069 | 29.069 | 0.0 | -1.559 | -0.636 |
| 20 | E | 2 | 5.321 | 2.958 | -2.958 | 0.0 | 6.363 | 1.372 |
| 21 | E | 2 | 7.490 | 17.775 | -17.775 | 0.0 | -10.295 | -1.513 * |
| 22 | E | 2 | 44.749 | 43.713 | 43.713 | 0.0 | 1.035 | 0.564 |
| 23 | E | 2 | 50.383 | 51.559 | -51.559 | 0.0 | -1.174 | -0.694 |
| 17 | 7 | 2 | 16.894 | 9.090 | 9.090 | 0.0 | 7.714 | 2.726 |
| 16 | 7 | 2 | 16.701 | 17.291 | -17.291 | 0.0 | -0.580 | -0.182 |
| 14 | 7 | 2 | 13.062 | 6.322 | -6.322 | 0.0 | 6.740 | 2.051 |
| 0 | E | 0 | 324.303 | 334.474 | 334.474 | 0.0 | -7.965 | -1.328 * |
| 13 | 7 | 2 | 21.845 | 22.763 | 22.763 | 0.0 | -0.918 | -0.389 |
| 12 | 7 | 2 | 43.075 | 40.842 | -40.842 | 0.0 | 2.233 | 1.508 |
| 11 | 7 | 2 | 10.189 | 16.389 | -16.389 | 0.0 | -6.199 | -1.394 |
| 10 | 7 | 2 | 8.559 | 6.073 | -6.073 | 0.0 | 2.526 | 0.576 |
| 9 | 7 | 2 | 12.531 | 16.036 | 16.036 | 0.0 | -3.505 | -1.034 |
| 8 | 7 | 2 | 41.699 | 45.968 | -45.968 | 0.0 | -4.269 | -2.944 |
| 7 | 7 | 2 | 29.458 | 28.799 | -28.799 | 0.0 | 0.659 | 0.392 |
| 5 | 7 | 2 | 16.067 | 15.587 | 15.587 | 0.0 | 0.480 | 0.192 |
| 4 | 7 | 2 | 33.150 | 33.693 | -33.693 | 0.0 | -0.543 | -0.357 |
| 3 | 7 | 2 | 20.518 | 21.186 | -21.186 | 0.0 | -0.668 | -0.304 |
| 2 | 7 | 2 | 16.848 | 6.631 | -6.631 | 0.0 | 10.217 | 4.592 * |
| 1 | 7 | 2 | 11.176 | 6.528 | -6.528 | 0.0 | 4.648 | 1.321 |
| 0 | 8 | 2 | 16.200 | 9.583 | 9.583 | 0.0 | 6.617 | 2.824 |
| 1 | 8 | 2 | 42.667 | 46.437 | 46.437 | 0.0 | -2.770 | -1.989 |
| 2 | 8 | 2 | 15.198 | 17.945 | 17.945 | 0.0 | -2.751 | -0.358 |
| 3 | 8 | 2 | 28.720 | 28.399 | 28.399 | 0.0 | 0.322 | 0.154 |
| 4 | 8 | 2 | 8.378 | 6.729 | -6.729 | 0.0 | 1.649 | 0.381 |
| 5 | 8 | 2 | 32.175 | 31.254 | -31.254 | 0.0 | 0.914 | 0.530 |
| 6 | 8 | 2 | 11.721 | 15.196 | 15.196 | 0.0 | -3.475 | -0.936 |
| 0 | E | 0 | 324.434 | 334.474 | 334.474 | 0.0 | -9.040 | -1.515 * |
| 7 | R | 2 | 46.572 | 45.266 | -45.266 | 0.0 | 1.305 | 0.957 |
| 8 | R | 2 | 8.864 | 13.193 | 13.193 | 0.0 | -4.329 | -0.924 |
| 9 | R | 2 | 30.517 | 31.001 | 31.001 | 0.0 | -0.185 | -0.104 |
| 10 | R | 2 | 2.281 | 3.448 | -3.448 | 0.0 | -1.166 | -0.147 |
| 11 | R | 2 | 30.040 | 30.144 | 30.144 | 0.0 | -0.095 | -0.050 |

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| N | K | L | F(C/PP) | F(C/LC) | A(CA/C) | P(C/LC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 12 | 8 | 2 | 11.827 | 5.926 | -5.926 | 0.0 | 6.002 | 1.650 |
| 13 | 8 | 2 | 79.281 | 31.426 | -31.426 | 0.0 | -2.145 | -1.051 |
| 14 | 8 | 2 | 14.067 | 9.666 | -9.666 | 0.0 | 8.301 | 1.226 |
| 15 | 8 | 2 | 19.472 | 17.048 | -17.048 | 0.0 | 2.424 | 0.899 |
| 16 | 8 | 2 | 5.119 | 0.354 | -0.354 | 0.0 | 5.965 | 0.875 |
| 17 | 8 | 2 | 5.727 | 10.159 | 10.159 | 0.0 | -4.421 | -0.542 |
| 18 | 8 | 2 | 5.021 | 14.446 | -14.446 | 0.0 | -9.425 | -1.250 |
| 19 | 8 | 2 | 17.408 | 19.015 | 19.015 | 0.0 | -1.607 | -0.468 |
| 20 | 8 | 2 | 5.761 | 7.295 | -7.295 | 0.0 | -0.534 | -0.093 |
| 21 | 8 | 2 | 9.483 | 12.186 | -12.186 | 0.0 | -4.733 | -0.820 |
| 19 | 9 | 2 | 9.768 | 12.496 | -12.496 | 0.0 | -2.749 | -0.517 |
| 18 | 9 | 2 | 0.851 | 2.735 | -2.735 | 0.0 | 7.116 | 1.482 |
| 17 | 9 | 2 | 14.181 | 9.125 | 9.125 | 0.0 | 5.056 | 1.369 |
| 16 | 9 | 2 | 4.547 | 10.482 | -10.482 | 0.0 | -5.535 | -0.767 |
| 15 | 9 | 2 | 5.743 | 8.578 | 8.578 | 0.0 | -1.835 | -0.302 |
| 0 | 6 | 0 | 326.110 | 334.474 | 334.474 | 0.0 | -8.364 | -1.395 * |
| 14 | 9 | 2 | 15.610 | 4.658 | 4.658 | 0.0 | 10.953 | 3.379 * |
| 13 | 9 | 2 | 16.770 | 4.823 | 4.823 | 0.0 | 11.406 | 3.870 * |
| 12 | 9 | 2 | 12.017 | 7.540 | -7.540 | 0.0 | 6.478 | 1.817 * |
| 11 | 9 | 2 | 0.569 | 11.999 | -11.999 | 0.0 | -2.030 | -0.461 |
| 9 | 9 | 2 | 6.366 | 6.786 | 6.786 | 0.0 | -0.540 | -0.077 |
| 8 | 9 | 2 | 6.027 | 2.754 | -2.754 | 0.0 | 3.243 | 0.581 |
| 6 | 9 | 2 | 13.445 | 0.073 | 0.073 | 0.0 | 13.372 | 4.631 * |
| 5 | 9 | 2 | 12.342 | 13.094 | -13.094 | 0.0 | 0.246 | 0.078 |
| 3 | 9 | 2 | 9.869 | 12.619 | -12.619 | 0.0 | -3.770 | -0.856 |
| 2 | 9 | 2 | 12.738 | 9.623 | 9.623 | 0.0 | 3.114 | 0.961 |
| 1 | 9 | 2 | 11.000 | 7.201 | 7.201 | 0.0 | 3.789 | 1.079 |
| 0 | 10 | 2 | 7.568 | 4.220 | 4.220 | 0.0 | 6.346 | 0.887 |
| 2 | 10 | 2 | 25.872 | 25.519 | 25.519 | 0.0 | 0.353 | 0.163 |
| 3 | 10 | 2 | 22.926 | 24.491 | -24.491 | 0.0 | -1.555 | -0.624 |
| 4 | 10 | 2 | 12.458 | 8.684 | 8.684 | 0.0 | 3.774 | 1.109 |
| 5 | 10 | 2 | 11.913 | 13.855 | 13.855 | 0.0 | -1.942 | -0.479 |
| 0 | 6 | 0 | 326.629 | 334.474 | 334.474 | 0.0 | -10.034 | -1.890 * |
| 6 | 10 | 2 | 11.589 | 15.840 | 15.840 | 0.0 | -4.251 | -1.009 |
| 8 | 10 | 2 | 10.351 | 8.245 | -8.245 | 0.0 | 2.006 | 0.459 |
| 9 | 10 | 2 | 3.999 | 10.038 | -10.038 | 0.0 | -6.048 | -0.901 |
| 10 | 10 | 2 | 3.452 | 3.222 | 3.222 | 0.0 | 5.030 | 1.009 |
| 11 | 10 | 2 | 17.246 | 16.493 | -16.493 | 0.0 | -1.247 | -0.397 |
| 12 | 10 | 2 | 5.245 | 2.473 | -2.473 | 0.0 | 2.871 | 0.420 |
| 13 | 10 | 2 | 15.440 | 7.762 | 7.762 | 0.0 | 7.878 | 2.546 |
| 14 | 10 | 2 | 9.748 | 6.593 | -6.593 | 0.0 | 3.154 | 0.612 |
| 15 | 10 | 2 | 4.284 | 11.095 | 11.095 | 0.0 | -6.811 | -0.835 |
| 16 | 10 | 2 | 7.185 | 5.085 | -5.085 | 0.0 | 2.181 | 0.522 |
| 17 | 10 | 2 | 17.762 | 15.616 | -15.616 | 0.0 | -2.145 | -0.422 |
| 13 | 11 | 2 | 15.055 | 6.446 | 6.446 | 0.0 | 8.619 | 2.500 |
| 12 | 11 | 2 | 34.284 | 35.603 | 35.603 | 0.0 | -1.619 | -0.496 |
| 11 | 11 | 2 | 38.566 | 34.566 | 34.566 | 0.0 | 3.920 | 2.054 |
| 10 | 11 | 2 | 14.859 | 15.044 | 15.044 | 0.0 | -0.185 | -0.049 |
| 9 | 11 | 2 | 47.476 | 47.480 | -47.480 | 0.0 | -0.004 | -0.002 |
| 8 | 11 | 2 | 25.783 | 30.031 | 30.031 | 0.0 | -4.248 | -1.548 |
| 7 | 11 | 2 | 21.934 | 21.897 | -21.897 | 0.0 | 0.037 | 0.013 |
| 0 | 6 | 0 | 324.535 | 334.474 | 334.474 | 0.0 | -9.935 | -1.875 * |
| 6 | 11 | 2 | 13.253 | 2.989 | -2.989 | 0.0 | 10.264 | 2.832 * |

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| H | K | L | F(OPS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 5 | 11 | 2 | 35.860 | 32.668 | 32.448 | 0.0 | 3.192 | 1.563 |
| 4 | 11 | 2 | 10.779 | 2.507 | 2.507 | 0.0 | 8.271 | 1.084 |
| 3 | 11 | 2 | 35.226 | 38.204 | 38.204 | 0.0 | 1.022 | 0.576 |
| 1 | 11 | 2 | 7.701 | 16.404 | -16.404 | 0.0 | -8.703 | -1.481 |
| 0 | 12 | 2 | 11.780 | 4.271 | -4.271 | 0.0 | 7.509 | 1.834 |
| 1 | 12 | 2 | 8.639 | 1.025 | 1.025 | 0.0 | 8.614 | 1.834 |
| 2 | 12 | 2 | 23.653 | 22.117 | -22.117 | 0.0 | 0.836 | 0.256 |
| 3 | 12 | 2 | 28.838 | 30.384 | 30.384 | 0.0 | -2.046 | -0.640 |
| 4 | 12 | 2 | 6.302 | 10.193 | -10.193 | 0.0 | -3.692 | -0.553 |
| 5 | 12 | 2 | 17.791 | 16.019 | -16.019 | 0.0 | 1.773 | 0.554 |
| 6 | 12 | 2 | 11.795 | 8.866 | -8.866 | 0.0 | 2.929 | 0.688 |
| 7 | 12 | 2 | 10.251 | 7.342 | -7.342 | 0.0 | 3.010 | 0.619 |
| 8 | 12 | 2 | 17.526 | 18.263 | 18.263 | 0.0 | -1.736 | -0.466 |
| 10 | 12 | 2 | 11.471 | 5.304 | 5.304 | 0.0 | 6.167 | 1.233 |
| 11 | 12 | 2 | 21.152 | 16.849 | 16.849 | 0.0 | 4.303 | 1.640 |
| 4 | 13 | 2 | 19.118 | 11.661 | -11.661 | 0.0 | 7.427 | 2.624 |
| 3 | 13 | 2 | 11.883 | 3.887 | 3.887 | 0.0 | 7.896 | 1.675 |
| 0 | 6 | 0 | 325.652 | 334.474 | 334.474 | 0.0 | -8.822 | -1.478 * |
| 2 | 13 | 2 | 2.650 | 2.222 | -2.222 | 0.0 | 0.458 | 0.060 |
| 1 | 13 | 2 | 18.027 | 13.590 | -13.590 | 0.0 | 4.437 | 1.429 |
| 0 | 12 | 3 | 15.507 | 14.967 | -14.967 | 0.0 | 0.540 | 0.144 |
| 1 | 12 | 3 | 10.608 | 5.215 | -5.215 | 0.0 | 5.393 | 1.225 |
| 3 | 12 | 3 | 1.870 | 2.454 | 2.454 | 0.0 | -0.584 | -0.060 |
| 4 | 12 | 3 | 8.481 | 3.733 | 3.733 | 0.0 | 4.748 | 0.862 |
| 11 | 11 | 3 | 17.921 | 6.940 | -6.940 | 0.0 | 10.981 | 2.666 * |
| 10 | 11 | 3 | 28.115 | 28.771 | -28.771 | 0.0 | -0.657 | -0.256 |
| 8 | 11 | 3 | 17.526 | 11.159 | 11.159 | 0.0 | 6.327 | 2.115 |
| 7 | 11 | 3 | 9.927 | 9.428 | 9.428 | 0.0 | 0.499 | 0.020 |
| 6 | 11 | 3 | 16.480 | 13.434 | 13.434 | 0.0 | 3.046 | 0.935 |
| 5 | 11 | 3 | 10.898 | 12.513 | -12.513 | 0.0 | -1.705 | -0.249 |
| 3 | 11 | 3 | 15.163 | 11.328 | -11.328 | 0.0 | 3.834 | 1.076 |
| 0 | 6 | 0 | 324.201 | 334.474 | 334.474 | 0.0 | -10.272 | -1.731 * |
| 2 | 11 | 3 | 34.565 | 31.362 | -31.362 | 0.0 | 3.206 | 1.619 |
| 1 | 11 | 3 | 11.854 | 5.862 | 5.862 | 0.0 | 5.992 | 1.453 |
| 0 | 10 | 3 | 15.095 | 14.237 | -14.237 | 0.0 | 0.858 | 0.251 |
| 1 | 10 | 3 | 8.511 | 4.631 | 4.631 | 0.0 | 3.880 | 0.775 |
| 2 | 10 | 3 | 9.212 | 2.334 | 2.334 | 0.0 | 6.876 | 1.516 |
| 3 | 10 | 3 | 20.504 | 19.494 | 19.494 | 0.0 | 1.010 | 0.396 |
| 4 | 10 | 3 | 30.797 | 35.927 | -35.927 | 0.0 | 2.871 | 1.689 |
| 8 | 10 | 3 | 14.181 | 2.947 | -2.947 | 0.0 | 11.234 | 3.359 * |
| 10 | 10 | 3 | 17.600 | 0.339 | 0.339 | 0.0 | 17.261 | 6.655 * |
| 11 | 10 | 3 | 5.201 | 10.149 | 10.149 | 0.0 | -4.368 | -0.269 |
| 12 | 10 | 3 | 6.321 | 2.226 | -2.226 | 0.0 | 4.105 | 0.618 |
| 13 | 10 | 3 | 4.156 | 0.336 | 0.336 | 0.0 | 3.860 | 0.486 |
| 17 | 9 | 3 | 14.255 | 7.056 | 7.056 | 0.0 | 7.199 | 1.830 |
| 16 | 9 | 3 | 5.801 | 1.425 | -1.425 | 0.0 | 4.376 | 0.630 |
| 0 | 6 | 0 | 325.812 | 334.474 | 334.474 | 0.0 | -8.662 | -1.451 * |
| 15 | 9 | 3 | 11.441 | 10.724 | 10.724 | 0.0 | 0.718 | 0.149 |
| 14 | 9 | 3 | 76.675 | 77.018 | 77.018 | 0.0 | -0.343 | -0.196 |
| 13 | 9 | 3 | 28.838 | 29.558 | -29.558 | 0.0 | -0.720 | -0.204 |
| 11 | 9 | 3 | 8.270 | 8.040 | -8.040 | 0.0 | 0.249 | 0.047 |
| 10 | 9 | 3 | 18.057 | 15.250 | 15.250 | 0.0 | 2.806 | 0.952 |
| 9 | 9 | 3 | 9.085 | 1.468 | 1.468 | 0.0 | 7.617 | 1.621 |

| H | K | I | F(ORS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 4 | 0 | 3 | 1.200 | 1.190 | -1.190 | 0.0 | 7.100 | 1.378 |
| 7 | 9 | 3 | 18.175 | 16.653 | 16.653 | 0.0 | 1.522 | 0.530 |
| 6 | 9 | 3 | 50.477 | 52.587 | 52.587 | 0.0 | 1.590 | 1.269 |
| 5 | 9 | 3 | 15.213 | 12.886 | -12.886 | 0.0 | 2.227 | 0.741 |
| 2 | 9 | 3 | 53.501 | 55.376 | -55.376 | 0.0 | -1.575 | -1.000 |
| 1 | 9 | 3 | 40.706 | 41.949 | 41.949 | 0.0 | -0.543 | -0.529 |
| 0 | 9 | 3 | 130.757 | 132.894 | 132.894 | 0.0 | -2.227 | -1.015 |
| 1 | 8 | 3 | 34.214 | 36.283 | 36.283 | 0.0 | -2.069 | -1.157 |
| 2 | 8 | 3 | 4.653 | 6.160 | -6.160 | 0.0 | -1.507 | -0.233 |
| 3 | 8 | 3 | 11.324 | 14.848 | 14.848 | 0.0 | -3.524 | -0.896 |
| 4 | 8 | 3 | 25.772 | 24.878 | -24.878 | 0.0 | 0.993 | 0.538 |
| 0 | 6 | 0 | 325.384 | 336.474 | 336.474 | 0.0 | -9.120 | -1.528 |
| 5 | 4 | 3 | 15.075 | 20.636 | -20.636 | 0.0 | -5.542 | -1.679 |
| 7 | 4 | 3 | 30.834 | 40.403 | -40.403 | 0.0 | -1.368 | -0.833 |
| 8 | 4 | 3 | 60.675 | 60.175 | 60.175 | 0.0 | -0.100 | -0.067 |
| 10 | 4 | 3 | 8.084 | 1.973 | 1.973 | 0.0 | 6.110 | 1.273 |
| 12 | 4 | 3 | 47.728 | 46.307 | -46.307 | 0.0 | 1.421 | 0.939 |
| 13 | 4 | 3 | 22.317 | 24.083 | -24.083 | 0.0 | -1.766 | -0.658 |
| 15 | 4 | 3 | 21.760 | 21.761 | -21.761 | 0.0 | 0.099 | 0.035 |
| 16 | 4 | 3 | 24.150 | 24.274 | 24.274 | 0.0 | -0.084 | -0.033 |
| 17 | 4 | 3 | 13.621 | 5.193 | 5.193 | 0.0 | 8.428 | 2.354 |
| 19 | 4 | 3 | 22.892 | 24.629 | 24.629 | 0.0 | -1.737 | -0.598 |
| 21 | 7 | 3 | 10.131 | 2.147 | 2.147 | 0.0 | 6.983 | 1.391 |
| 19 | 7 | 3 | 15.861 | 7.261 | 7.261 | 0.0 | 8.600 | 2.702 |
| 0 | 6 | 0 | 324.420 | 334.474 | 334.474 | 0.0 | -10.054 | -1.653 |
| 15 | 7 | 3 | 4.589 | 4.815 | -4.815 | 0.0 | 3.784 | 0.765 |
| 14 | 7 | 3 | 43.282 | 41.102 | -41.102 | 0.0 | 2.180 | 1.443 |
| 13 | 7 | 3 | 12.826 | 15.944 | 15.944 | 0.0 | -3.118 | -0.824 |
| 12 | 7 | 3 | 9.777 | 4.537 | -4.537 | 0.0 | 5.240 | 1.227 |
| 10 | 7 | 3 | 22.199 | 20.855 | -20.855 | 0.0 | 1.344 | 0.577 |
| 7 | 7 | 3 | 15.920 | 12.944 | -12.944 | 0.0 | 2.976 | 1.181 |
| 6 | 7 | 3 | 31.446 | 32.417 | -32.417 | 0.0 | -0.921 | -0.520 |
| 4 | 7 | 3 | 10.101 | 10.303 | 10.303 | 0.0 | -0.702 | -0.452 |
| 2 | 7 | 3 | 11.780 | 7.187 | 7.187 | 0.0 | 4.593 | 1.471 |
| 1 | 7 | 3 | 20.459 | 15.950 | -15.950 | 0.0 | 4.509 | 2.353 |
| 1 | 4 | 2 | 4.064 | 0.236 | 0.236 | 0.0 | 3.828 | 0.602 |
| 2 | 6 | 2 | 0.247 | 0.689 | 0.689 | 0.0 | -0.447 | -0.111 |
| 0 | 6 | 0 | 324.400 | 334.474 | 334.474 | 0.0 | -10.074 | -1.697 |
| 5 | 6 | 2 | 0.457 | 12.495 | 12.495 | 0.0 | -2.968 | -0.828 |
| 7 | 6 | 2 | 7.229 | 6.131 | 6.131 | 0.0 | -1.502 | -0.419 |
| 8 | 6 | 2 | 28.023 | 28.047 | -28.047 | 0.0 | 0.777 | 0.470 |
| 9 | 6 | 2 | 8.452 | 8.952 | -8.952 | 0.0 | -0.500 | -0.113 |
| 14 | 6 | 3 | 15.154 | 3.078 | -3.078 | 0.0 | 12.076 | 4.653 |
| 15 | 6 | 3 | 7.377 | 1.130 | 1.130 | 0.0 | 6.247 | 1.268 |
| 18 | 6 | 3 | 11.257 | 4.314 | 4.314 | 0.0 | 7.083 | 1.676 |
| 19 | 6 | 3 | 4.226 | 0.728 | -0.728 | 0.0 | 2.498 | 0.440 |
| 20 | 6 | 3 | 1.090 | 12.741 | 12.741 | 0.0 | -11.651 | -1.081 |
| 23 | 6 | 3 | 6.445 | 3.523 | 3.523 | 0.0 | 2.960 | 0.448 |
| 0 | 6 | 0 | 324.477 | 334.474 | 334.474 | 0.0 | -9.597 | -1.610 |
| 22 | 4 | 3 | 20.223 | 13.492 | 13.492 | 0.0 | 6.731 | 2.594 |
| 20 | 4 | 3 | 11.294 | 4.240 | 4.240 | 0.0 | 7.054 | 1.660 |
| 18 | 5 | 3 | 29.311 | 27.826 | -27.826 | 0.0 | 1.485 | 0.751 |
| 17 | 5 | 3 | 22.007 | 23.165 | 23.165 | 0.0 | -1.156 | -0.454 |

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| H | K | L | F(ORS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 15 | 5 | 3 | 8.673 | 14.126 | 14.126 | 0.0 | -5.453 | -1.029 |
| 14 | 5 | 3 | 24.205 | 24.951 | 24.951 | 0.0 | -0.747 | -0.347 |
| 11 | 5 | 3 | 16.551 | 18.680 | 18.680 | 0.0 | -1.729 | -0.599 |
| 10 | 5 | 3 | 61.022 | 62.126 | 62.126 | 0.0 | -0.144 | -0.104 |
| 9 | 5 | 3 | 23.741 | 21.239 | 21.239 | 0.0 | 2.302 | 1.369 |
| 8 | 5 | 3 | 10.617 | 4.073 | 4.073 | 0.0 | 6.543 | 2.019 |
| 6 | 5 | 3 | 11.101 | 0.602 | 0.602 | 0.0 | 10.599 | 2.956 * |
| 5 | 5 | 3 | 30.935 | 31.318 | 31.318 | 0.0 | -0.383 | -0.243 |
| 4 | 5 | 3 | 14.633 | 9.931 | 9.931 | 0.0 | 4.702 | 3.311 |
| 3 | 5 | 3 | 31.088 | 27.337 | 27.337 | 0.0 | 3.751 | 2.526 |
| 0 | 6 | 0 | 325.473 | 334.474 | 334.474 | 0.0 | -9.001 | -1.508 |
| 2 | 5 | 3 | 84.895 | 88.985 | 88.985 | 0.0 | -4.090 | -2.663 |
| 1 | 5 | 3 | 20.753 | 20.534 | 20.534 | 0.0 | 1.220 | 0.772 |
| 0 | 4 | 3 | 133.543 | 145.584 | 145.584 | 0.0 | -11.641 | -5.343 * |
| 1 | 4 | 3 | 27.451 | 29.809 | 29.809 | 0.0 | -2.359 | -1.414 |
| 2 | 4 | 3 | 8.290 | 4.509 | 4.509 | 0.0 | 3.781 | 0.940 |
| 2 | 4 | 3 | 14.808 | 14.238 | 14.238 | 0.0 | 0.571 | 0.238 |
| 4 | 4 | 3 | 34.052 | 35.310 | 35.310 | 0.0 | -1.258 | -0.835 |
| 5 | 4 | 3 | 12.178 | 11.221 | 11.221 | 0.0 | 0.957 | 0.293 |
| 7 | 4 | 3 | 17.000 | 18.426 | 18.426 | 0.0 | -0.546 | -0.217 |
| 8 | 4 | 3 | 24.425 | 23.275 | 23.275 | 0.0 | 1.150 | 3.143 |
| 9 | 4 | 3 | 11.972 | 10.792 | 10.792 | 0.0 | 1.179 | 0.348 |
| 10 | 4 | 3 | 15.069 | 15.069 | 15.069 | 0.0 | -0.062 | -0.024 |
| 11 | 4 | 3 | 13.017 | 9.883 | 9.883 | 0.0 | 3.135 | 1.073 |
| 12 | 4 | 3 | 42.177 | 45.596 | 45.596 | 0.0 | -3.419 | -2.233 |
| 13 | 4 | 3 | 30.093 | 25.652 | 25.652 | 0.0 | 4.441 | 2.811 |
| 14 | 4 | 3 | 8.614 | 5.495 | 5.495 | 0.0 | 3.117 | 0.761 |
| 15 | 4 | 3 | 9.856 | 16.560 | 16.560 | 0.0 | -6.704 | -1.502 |
| 16 | 4 | 3 | 5.521 | 3.250 | 3.250 | 0.0 | 2.271 | 0.378 |
| 17 | 4 | 3 | 5.536 | 3.374 | 3.374 | 0.0 | 2.162 | 0.362 |
| 0 | 6 | 0 | 325.175 | 334.474 | 334.474 | 0.0 | -9.299 | -1.559 * |
| 20 | 4 | 3 | 40.834 | 41.685 | 41.685 | 0.0 | -0.851 | -0.426 |
| 21 | 4 | 3 | 0.703 | 5.840 | 5.840 | 0.0 | 3.864 | 0.800 |
| 22 | 4 | 3 | 4.873 | 7.617 | 7.617 | 0.0 | -2.743 | -0.359 |
| 23 | 4 | 3 | 17.379 | 12.896 | 12.896 | 0.0 | 4.482 | 1.491 |
| 24 | 4 | 3 | 18.956 | 21.356 | 21.356 | 0.0 | -2.400 | -0.599 |
| 23 | 3 | 3 | 1.614 | 5.547 | 5.547 | 0.0 | -3.633 | -0.371 |
| 22 | 3 | 3 | 40.551 | 28.802 | 28.802 | 0.0 | 1.749 | 0.795 |
| 21 | 3 | 3 | 38.472 | 40.618 | 40.618 | 0.0 | -2.146 | -1.142 |
| 20 | 3 | 3 | 5.389 | 5.291 | 5.291 | 0.0 | 0.098 | 0.015 |
| 19 | 3 | 3 | 26.536 | 27.220 | 27.220 | 0.0 | -0.685 | -0.316 |
| 18 | 3 | 3 | 68.577 | 69.913 | 69.913 | 0.0 | -1.336 | -0.851 |
| 17 | 3 | 3 | 27.923 | 26.325 | 26.325 | 0.0 | 1.598 | 0.873 |
| 16 | 3 | 3 | 11.353 | 12.056 | 12.056 | 0.0 | -0.703 | -0.185 |
| 15 | 3 | 3 | 27.111 | 29.262 | 29.262 | 0.0 | -2.250 | -1.010 |
| 14 | 3 | 3 | 170.906 | 171.394 | 171.394 | 0.0 | -0.488 | -0.172 |
| 13 | 3 | 3 | 66.695 | 66.441 | 66.441 | 0.0 | 0.254 | 0.181 |
| 12 | 3 | 3 | 17.673 | 14.927 | 14.927 | 0.0 | 2.846 | 1.230 |
| 0 | 6 | 0 | 325.449 | 334.474 | 334.474 | 0.0 | -9.025 | -1.338 * |
| 11 | 3 | 3 | 21.706 | 21.413 | 21.413 | 0.0 | 0.373 | 0.181 |
| 10 | 3 | 3 | 10.837 | 5.729 | 5.729 | 0.0 | 5.108 | 1.355 |
| 9 | 3 | 3 | 24.618 | 24.638 | 24.638 | 0.0 | -0.020 | -0.010 |
| 8 | 3 | 3 | 1.207 | 4.898 | 4.898 | 0.0 | -3.690 | -0.440 |

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| H | K | I | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 7 | 3 | 3 | 53.100 | 54.175 | 54.175 | 0.0 | -0.986 | -0.737 |
| 6 | 3 | 3 | 191.818 | 190.129 | 150.129 | 0.0 | 1.690 | 0.537 |
| 5 | 3 | 3 | 65.009 | 65.191 | -65.191 | 0.0 | -0.132 | -0.192 |
| 4 | 3 | 3 | 18.350 | 17.925 | 17.925 | 0.0 | 0.427 | 0.187 |
| 3 | 3 | 3 | 28.424 | 28.443 | -28.443 | 0.0 | -0.017 | -2.179 |
| 2 | 3 | 3 | 185.436 | 191.043 | -191.043 | 0.0 | -5.507 | -1.921 |
| 1 | 3 | 3 | 111.281 | 117.734 | 117.734 | 0.0 | -6.453 | -3.544 |
| 0 | 2 | 3 | 242.112 | 244.242 | 264.242 | 0.0 | -22.830 | -5.568 |
| 1 | 2 | 3 | 60.614 | 71.655 | 71.655 | 0.0 | -2.241 | -1.785 |
| 3 | 2 | 3 | 25.075 | 23.618 | 23.618 | 0.0 | 1.457 | 0.959 |
| 4 | 2 | 3 | 29.479 | 29.479 | -29.479 | 0.0 | -0.007 | -0.005 |
| 6 | 2 | 3 | 27.252 | 28.181 | -28.181 | 0.0 | -0.922 | -0.584 |
| 7 | 2 | 3 | 4.505 | 4.244 | -4.244 | 0.0 | -1.739 | -0.308 |
| 8 | 2 | 3 | 53.264 | 51.013 | -51.013 | 0.0 | 2.251 | 1.026 |
| 9 | 2 | 3 | 75.206 | 73.925 | 73.925 | 0.0 | 1.231 | 0.900 |
| 0 | 6 | 0 | 323.824 | 334.474 | 334.474 | 0.0 | -10.649 | -1.705 |
| 10 | 2 | 3 | 15.507 | 12.417 | -12.417 | 0.0 | 3.090 | 1.140 |
| 11 | 2 | 3 | 5.816 | 1.992 | 1.992 | 0.0 | 3.823 | 0.683 |
| 12 | 2 | 3 | 87.803 | 87.514 | -87.514 | 0.0 | 0.289 | 0.181 |
| 13 | 2 | 3 | 42.053 | 43.952 | -43.952 | 0.0 | -1.799 | -1.215 |
| 14 | 2 | 3 | 8.805 | 7.075 | -7.075 | 0.0 | 1.730 | 0.409 |
| 15 | 2 | 3 | 37.215 | 36.246 | -36.246 | 0.0 | 0.966 | 0.660 |
| 16 | 2 | 3 | 32.910 | 34.010 | 34.010 | 0.0 | -2.100 | -1.236 |
| 17 | 2 | 3 | 13.621 | 5.652 | 5.652 | 0.0 | 7.959 | 2.652 |
| 18 | 2 | 3 | 12.031 | 1.926 | 1.926 | 0.0 | 10.105 | 3.049 |
| 19 | 2 | 3 | 26.010 | 29.307 | 29.307 | 0.0 | -3.367 | -1.574 |
| 20 | 2 | 3 | 76.020 | 76.006 | -76.006 | 0.0 | -0.775 | -0.479 |
| 21 | 2 | 3 | 15.931 | 11.585 | -11.585 | 0.0 | 4.246 | 1.328 |
| 24 | 2 | 3 | 17.930 | 15.051 | -15.051 | 0.0 | 2.887 | 0.951 |
| 25 | 2 | 3 | 6.007 | 4.652 | 4.652 | 0.0 | 1.356 | 0.196 |
| 25 | 1 | 3 | 8.219 | 8.327 | 8.327 | 0.0 | -2.409 | -0.350 |
| 23 | 1 | 3 | 9.453 | 0.310 | 0.310 | 0.0 | 9.134 | 1.957 |
| 0 | 6 | 0 | 323.130 | 334.474 | 334.474 | 0.0 | -11.344 | -1.921 |
| 22 | 1 | 3 | 0.898 | 6.862 | 6.862 | 0.0 | -5.964 | -0.589 |
| 21 | 1 | 3 | 12.193 | 4.180 | -4.180 | 0.0 | 8.013 | 2.084 |
| 19 | 1 | 3 | 8.010 | 8.586 | 8.586 | 0.0 | 1.224 | 0.311 |
| 18 | 1 | 3 | 24.220 | 22.547 | -22.547 | 0.0 | 1.672 | 0.504 |
| 17 | 1 | 3 | 20.327 | 24.065 | 24.065 | 0.0 | -3.738 | -1.433 |
| 16 | 1 | 3 | 4.270 | 4.763 | 4.763 | 0.0 | -0.493 | -0.078 |
| 15 | 1 | 3 | 13.501 | 6.546 | 6.546 | 0.0 | 7.356 | 2.642 |
| 14 | 1 | 3 | 16.697 | 11.604 | -11.604 | 0.0 | 4.493 | 1.871 |
| 13 | 1 | 3 | 2.253 | 4.183 | 4.183 | 0.0 | -1.931 | -0.264 |
| 11 | 1 | 3 | 14.137 | 13.560 | -13.560 | 0.0 | 0.568 | 0.193 |
| 10 | 1 | 3 | 60.569 | 58.372 | -58.372 | 0.0 | 2.597 | 1.959 |
| 9 | 1 | 3 | 20.386 | 22.977 | 22.977 | 0.0 | -2.591 | -1.156 |
| 8 | 1 | 3 | 11.441 | 7.300 | -7.300 | 0.0 | 4.142 | 1.326 |
| 7 | 1 | 3 | 12.254 | 15.715 | -15.715 | 0.0 | 3.638 | 1.928 |
| 6 | 1 | 3 | 27.382 | 26.724 | -26.724 | 0.0 | 0.668 | 0.427 |
| 5 | 1 | 3 | 76.195 | 35.867 | -35.867 | 0.0 | 0.328 | 0.264 |
| 4 | 1 | 3 | 24.205 | 24.560 | -24.560 | 0.0 | -0.356 | -0.241 |
| 0 | 6 | 0 | 323.646 | 334.474 | 334.474 | 0.0 | -10.828 | -1.826 |
| 2 | 1 | 3 | 66.392 | 67.469 | -67.469 | 0.0 | -1.087 | -0.877 |
| 1 | 1 | 3 | 13.842 | 17.867 | 17.867 | 0.0 | -4.025 | -1.666 |

| H | K | L | P(OBS) | F(CALC) | A(CALC) | D(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 0 | 0 | 4 | 118.413 | 118.425 | -118.425 | 0.0 | 0.988 | 0.502 |
| 1 | 0 | 4 | 51.393 | 53.461 | -53.461 | 0.0 | -2.066 | -1.565 |
| 2 | 0 | 4 | 60.150 | 61.266 | 61.266 | 0.0 | -1.117 | -0.863 |
| 3 | 0 | 4 | 110.088 | 108.721 | 108.721 | 0.0 | 1.368 | 0.755 |
| 4 | 0 | 4 | 186.288 | 180.276 | 180.276 | 0.0 | 6.012 | 1.965 |
| 5 | 0 | 4 | 85.879 | 86.365 | -86.365 | 0.0 | -0.386 | -0.267 |
| 6 | 0 | 4 | 9.173 | 7.915 | 7.915 | 0.0 | 1.258 | 0.292 |
| 7 | 0 | 4 | 78.775 | 76.898 | -76.898 | 0.0 | -1.123 | -0.771 |
| 8 | 0 | 4 | 135.485 | 133.636 | -133.636 | 0.0 | 1.849 | 0.824 |
| 9 | 0 | 4 | 28.144 | 30.703 | 30.703 | 0.0 | -2.559 | -1.421 |
| 10 | 0 | 4 | 32.692 | 30.302 | -30.302 | 0.0 | 2.300 | 1.693 |
| 11 | 0 | 4 | 29.370 | 31.675 | -31.675 | 0.0 | -2.306 | -1.324 |
| 12 | 0 | 4 | 103.635 | 102.481 | 102.481 | 0.0 | 1.154 | 0.653 |
| 13 | 0 | 4 | 57.222 | 54.982 | -54.982 | 0.0 | 2.339 | 1.709 |
| 14 | 0 | 4 | 27.849 | 25.227 | -25.227 | 0.0 | 2.622 | 1.377 |
| 15 | 0 | 4 | 89.085 | 88.811 | -88.811 | 0.0 | 0.275 | 0.163 |
| 16 | 0 | 4 | 33.372 | 35.683 | 35.683 | 0.0 | -2.311 | -1.142 |
| 17 | 0 | 4 | 324.380 | 334.474 | 334.474 | 0.0 | -10.094 | -1.707 * |
| 18 | 0 | 4 | 19.516 | 17.299 | -17.299 | 0.0 | 2.217 | 0.775 |
| 19 | 0 | 4 | 4.850 | 10.875 | 10.875 | 0.0 | -6.325 | -0.841 |
| 20 | 0 | 4 | 31.171 | 34.032 | 34.032 | 0.0 | -2.861 | -1.203 |
| 21 | 0 | 4 | 10.026 | 9.449 | -9.449 | 0.0 | 1.477 | 0.324 |
| 22 | 0 | 4 | 16.878 | 12.451 | -12.451 | 0.0 | 4.426 | 1.267 |
| 23 | 0 | 4 | 39.062 | 30.510 | -30.510 | 0.0 | 2.551 | 1.360 |
| 23 | 1 | 4 | 18.425 | 3.602 | -3.602 | 0.0 | 14.823 | 5.496 * |
| 22 | 1 | 4 | 29.517 | 27.420 | -27.420 | 0.0 | 2.097 | 0.973 |
| 21 | 1 | 4 | 8.304 | 12.568 | -12.568 | 0.0 | -4.263 | -0.726 |
| 19 | 1 | 4 | 0.972 | 15.160 | -15.160 | 0.0 | -14.198 | -1.337 * |
| 18 | 1 | 4 | 28.086 | 27.756 | 27.756 | 0.0 | 1.230 | 0.571 |
| 17 | 1 | 4 | 6.994 | 8.581 | 8.581 | 0.0 | -1.587 | -0.274 |
| 16 | 1 | 4 | 11.279 | 12.008 | 12.008 | 0.0 | -0.729 | -0.185 |
| 15 | 1 | 4 | 9.954 | 10.802 | -10.802 | 0.0 | -0.849 | -0.195 |
| 14 | 1 | 4 | 15.262 | 13.485 | -13.485 | 0.0 | 1.757 | 0.611 |
| 12 | 1 | 4 | 28.454 | 28.291 | 28.291 | 0.0 | 0.164 | 0.082 |
| 11 | 1 | 4 | 73.618 | 76.110 | -76.110 | 0.0 | -2.492 | -1.716 |
| 10 | 1 | 4 | 80.307 | 78.429 | 78.429 | 0.0 | 1.878 | 1.250 |
| 9 | 1 | 4 | 323.527 | 334.474 | 334.474 | 0.0 | -10.947 | -1.845 * |
| 8 | 1 | 4 | 44.156 | 43.133 | 43.133 | 0.0 | 1.023 | 0.768 |
| 7 | 1 | 4 | 30.757 | 28.094 | 28.094 | 0.0 | 2.663 | 1.455 |
| 6 | 1 | 4 | 28.440 | 26.259 | -26.259 | 0.0 | 2.181 | 1.288 |
| 5 | 1 | 4 | 44.201 | 44.179 | -44.179 | 0.0 | 0.022 | 0.016 |
| 4 | 1 | 4 | 25.105 | 26.327 | 26.327 | 0.0 | -1.222 | -0.614 |
| 3 | 1 | 4 | 15.183 | 15.438 | 15.438 | 0.0 | -0.255 | -0.099 |
| 2 | 1 | 4 | 5.055 | 2.624 | -2.624 | 0.0 | 2.440 | 0.427 |
| 1 | 1 | 4 | 59.554 | 59.166 | 59.166 | 0.0 | 0.389 | 0.297 |
| 0 | 2 | 4 | 75.070 | 78.350 | 78.350 | 0.0 | -2.380 | -1.654 |
| 0 | 2 | 4 | 64.427 | 67.759 | -67.759 | 0.0 | -3.332 | -2.482 |
| 1 | 2 | 4 | 49.684 | 53.787 | 53.787 | 0.0 | -4.101 | -3.004 |
| 2 | 2 | 4 | 17.231 | 16.715 | -16.715 | 0.0 | 0.516 | 0.205 |
| 3 | 2 | 4 | 11.191 | 8.764 | -8.764 | 0.0 | 2.425 | 0.877 |
| 4 | 2 | 4 | 32.014 | 33.380 | 33.380 | 0.0 | -0.466 | -0.277 |
| 5 | 2 | 4 | 39.448 | 38.880 | 38.880 | 0.0 | 0.568 | 0.413 |
| 6 | 2 | 4 | 14.314 | 9.639 | -9.639 | 0.0 | 4.675 | 1.556 |

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| H | K | L | F(CORS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 7 | 2 | 4 | 13.297 | 13.444 | 13.444 | 0.0 | -0.147 | -0.060 |
| 8 | 2 | 4 | 20.833 | 20.370 | -30.370 | 0.0 | 1.443 | 1.041 |
| 9 | 2 | 4 | 16.878 | 16.714 | 16.714 | 0.0 | 0.164 | 0.062 |
| 10 | 4 | 0 | 324.857 | 334.474 | 334.474 | 0.0 | -9.617 | -1.613 * |
| 11 | 2 | 4 | 13.647 | 12.050 | 12.050 | 0.0 | 0.998 | 0.318 |
| 12 | 2 | 4 | 32.043 | 32.781 | 32.781 | 0.0 | 0.162 | 0.091 |
| 13 | 2 | 4 | 22.951 | 23.036 | -23.036 | 0.0 | -0.085 | -0.039 |
| 14 | 2 | 4 | 20.415 | 18.921 | 18.921 | 0.0 | 1.494 | 0.658 |
| 15 | 2 | 4 | 4.902 | 8.448 | 6.448 | 0.0 | -1.545 | -0.268 |
| 16 | 2 | 4 | 13.233 | 15.384 | -15.384 | 0.0 | -1.851 | -0.503 |
| 18 | 2 | 4 | 11.627 | 1.262 | 1.262 | 0.0 | 10.665 | 2.839 * |
| 20 | 2 | 4 | 26.624 | 21.238 | 21.238 | 0.0 | 5.387 | 2.518 |
| 21 | 2 | 4 | 11.330 | 9.840 | -9.840 | 0.0 | 1.990 | 0.468 |
| 22 | 3 | 4 | 7.612 | 3.236 | -3.236 | 0.0 | 4.376 | 0.727 |
| 21 | 3 | 4 | 11.042 | 5.224 | -5.224 | 0.0 | 6.719 | 1.505 |
| 20 | 3 | 4 | 2.621 | 3.014 | -3.014 | 0.0 | -1.293 | -0.166 |
| 19 | 3 | 4 | 8.731 | 8.652 | -8.652 | 0.0 | 0.080 | 0.015 |
| 17 | 3 | 4 | 9.615 | 3.675 | 3.675 | 0.0 | 5.990 | 1.321 |
| 0 | 4 | 0 | 324.797 | 334.474 | 334.474 | 0.0 | -9.677 | -1.623 * |
| 15 | 3 | 4 | 13.001 | 12.793 | -12.793 | 0.0 | 1.110 | 0.324 |
| 14 | 3 | 4 | 7.465 | 3.766 | -3.766 | 0.0 | 3.669 | 0.733 |
| 13 | 3 | 4 | 13.268 | 0.710 | 0.710 | 0.0 | 3.549 | 1.137 |
| 12 | 3 | 4 | 9.098 | 0.643 | 0.643 | 0.0 | 0.355 | 2.353 |
| 11 | 3 | 4 | 3.548 | 2.102 | -2.102 | 0.0 | 1.356 | 0.193 |
| 0 | 3 | 4 | 14.225 | 13.391 | 13.391 | 0.0 | 0.835 | 0.271 |
| 7 | 3 | 4 | 21.222 | 23.227 | 23.227 | 0.0 | -2.001 | -0.769 |
| 6 | 3 | 4 | 12.355 | 4.420 | -4.420 | 0.0 | 7.935 | 2.748 |
| 4 | 3 | 4 | 12.581 | 6.635 | -6.635 | 0.0 | 5.936 | 1.871 |
| 3 | 3 | 4 | 5.330 | 2.463 | 2.463 | 0.0 | 2.867 | 0.493 |
| 2 | 3 | 4 | 14.106 | 8.050 | 8.050 | 0.0 | 6.146 | 2.097 |
| 1 | 3 | 4 | 7.053 | 14.846 | -14.846 | 0.0 | -7.793 | -1.512 |
| 0 | 4 | 4 | 29.144 | 30.022 | -30.022 | 0.0 | -1.877 | -1.026 |
| 2 | 4 | 4 | 8.938 | 0.090 | -0.090 | 0.0 | -0.152 | -0.036 |
| 3 | 4 | 4 | 13.283 | 11.154 | -11.154 | 0.0 | 2.129 | 0.588 |
| 4 | 4 | 4 | 10.381 | 0.800 | -0.800 | 0.0 | 0.581 | 0.163 |
| 0 | 4 | 0 | 324.618 | 334.474 | 334.474 | 0.0 | -9.855 | -1.659 * |
| 8 | 4 | 4 | 28.456 | 27.426 | 27.426 | 0.0 | -1.028 | -0.527 |
| 6 | 4 | 4 | 13.238 | 12.385 | -12.385 | 0.0 | 0.853 | 0.285 |
| 7 | 4 | 4 | 11.854 | 8.907 | -8.907 | 0.0 | 2.946 | 0.866 |
| 8 | 4 | 4 | 4.181 | 1.034 | -1.034 | 0.0 | 3.147 | 0.487 |
| 9 | 4 | 4 | 27.628 | 27.022 | 27.022 | 0.0 | 0.606 | 0.329 |
| 10 | 4 | 4 | 15.035 | 12.493 | -12.493 | 0.0 | 3.441 | 1.290 |
| 11 | 4 | 4 | 7.336 | 5.880 | -5.880 | 0.0 | 2.057 | 0.745 |
| 12 | 4 | 4 | 0.001 | 5.935 | 5.935 | 0.0 | 3.106 | 0.703 |
| 13 | 4 | 4 | 19.280 | 15.446 | 15.446 | 0.0 | 3.834 | 1.624 |
| 14 | 4 | 4 | 16.530 | 15.717 | 15.717 | 0.0 | 0.822 | 0.282 |
| 15 | 4 | 4 | 25.066 | 24.059 | 24.059 | 0.0 | 0.387 | 0.038 |
| 17 | 4 | 4 | 10.543 | 6.289 | -6.289 | 0.0 | 4.254 | 0.894 |
| 18 | 4 | 4 | 6.773 | 5.261 | 5.261 | 0.0 | 1.512 | 0.242 |
| 19 | 4 | 4 | 15.155 | 19.112 | 19.112 | 0.0 | -3.457 | -0.931 |
| 21 | 4 | 4 | 16.250 | 21.547 | -21.547 | 0.0 | -5.288 | -1.435 |
| 21 | 5 | 4 | 24.028 | 25.059 | 25.059 | 0.0 | -1.032 | -0.414 |
| 20 | 5 | 4 | 9.512 | 1.569 | 1.569 | 0.0 | 7.943 | 1.554 |

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| H | K | L | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|-------------|
| 0 | 6 | 0 | 323.785 | 334.474 | 334.474 | 0.0 | -10.689 |
| 19 | 5 | 4 | 29.753 | 29.071 | 29.071 | 0.0 | 0.682 |
| 18 | 5 | 4 | 35.523 | 36.557 | -36.567 | 0.0 | -1.245 |
| 17 | 5 | 4 | 10.116 | 14.254 | -14.254 | 0.0 | -4.139 |
| 16 | 5 | 4 | 12.065 | 8.330 | -8.330 | 0.0 | 3.715 |
| 15 | 5 | 4 | 19.101 | 16.907 | 16.907 | 0.0 | 1.194 |
| 14 | 5 | 4 | 30.728 | 30.773 | 30.773 | 0.0 | -0.045 |
| 13 | 5 | 4 | 23.477 | 24.405 | -24.405 | 0.0 | -0.928 |
| 12 | 5 | 4 | 33.120 | 36.025 | -36.025 | 0.0 | -2.505 |
| 11 | 5 | 4 | 69.119 | 66.478 | 66.478 | 0.0 | 2.637 |
| 10 | 5 | 4 | 88.603 | 88.356 | -88.356 | 0.0 | 0.246 |
| 9 | 5 | 4 | 46.572 | 48.562 | -48.562 | 0.0 | -1.991 |
| 8 | 5 | 4 | 16.948 | 16.739 | -16.739 | 0.0 | 0.059 |
| 7 | 5 | 4 | 11.734 | 10.057 | -10.057 | 0.0 | 1.679 |
| 6 | 5 | 4 | 59.337 | 60.305 | -60.305 | 0.0 | -0.468 |
| 5 | 5 | 4 | 11.353 | 11.327 | -1.327 | 0.0 | 10.026 |
| 4 | 5 | 4 | 8.508 | 4.839 | -4.839 | 0.0 | 3.969 |
| 3 | 5 | 4 | 77.785 | 79.848 | -79.848 | 0.0 | -2.063 |
| 2 | 5 | 4 | 46.048 | 49.276 | -49.276 | 0.0 | -3.228 |
| 1 | 5 | 4 | 55.478 | 55.548 | -55.548 | 0.0 | -0.070 |
| 0 | 6 | 0 | 325.003 | 334.474 | 334.474 | 0.0 | -19.471 |
| 1 | 6 | 4 | 14.962 | 14.165 | -14.165 | 0.0 | 0.797 |
| 2 | 6 | 4 | 33.347 | 33.436 | 33.436 | 0.0 | -0.090 |
| 3 | 6 | 4 | 61.445 | 41.076 | 61.076 | 0.0 | 0.370 |
| 4 | 6 | 4 | 103.493 | 101.027 | 101.027 | 0.0 | 2.466 |
| 5 | 6 | 4 | 45.169 | 45.341 | -45.341 | 0.0 | -0.172 |
| 6 | 6 | 4 | 24.677 | 25.620 | -25.620 | 0.0 | -0.944 |
| 7 | 6 | 4 | 73.663 | 72.727 | -72.727 | 0.0 | 0.936 |
| 8 | 6 | 4 | 19.250 | 11.523 | -11.523 | 0.0 | 7.728 |
| 9 | 6 | 4 | 59.122 | 56.308 | -56.308 | 0.0 | 2.814 |
| 10 | 6 | 4 | 47.224 | 48.251 | -48.251 | 0.0 | -1.027 |
| 11 | 6 | 4 | 25.650 | 26.975 | -26.975 | 0.0 | -1.325 |
| 12 | 6 | 4 | 50.454 | 53.322 | -53.322 | 0.0 | -2.768 |
| 13 | 6 | 4 | 19.737 | 24.516 | -24.516 | 0.0 | -4.779 |
| 14 | 6 | 4 | 18.396 | 16.270 | -16.270 | 0.0 | 2.126 |
| 15 | 6 | 4 | 9.438 | 18.866 | 18.866 | 0.0 | -9.428 |
| 0 | 6 | 0 | 325.672 | 334.474 | 334.474 | 0.0 | -8.802 |
| 16 | 7 | 4 | 8.835 | 10.171 | -10.171 | 0.0 | -1.237 |
| 15 | 7 | 4 | 22.696 | 14.167 | 14.167 | 0.0 | 7.929 |
| 14 | 7 | 4 | 28.764 | 29.134 | -29.134 | 0.0 | -0.340 |
| 13 | 7 | 4 | 8.157 | 12.984 | 12.984 | 0.0 | -4.826 |
| 12 | 7 | 4 | 19.133 | 13.682 | 13.682 | 0.0 | 5.451 |
| 11 | 7 | 4 | 8.792 | 16.761 | 16.761 | 0.0 | -4.868 |
| 10 | 7 | 4 | 30.802 | 29.992 | -29.992 | 0.0 | 0.910 |
| 9 | 7 | 4 | 16.757 | 16.108 | 16.108 | 0.0 | 0.549 |
| 8 | 7 | 4 | 25.975 | 23.697 | 23.697 | 0.0 | 2.278 |
| 7 | 7 | 4 | 18.263 | 17.287 | 17.287 | 0.0 | 0.976 |
| 6 | 7 | 4 | 7.995 | 10.852 | 10.852 | 0.0 | -2.857 |
| 5 | 7 | 4 | 6.169 | 13.994 | 13.994 | 0.0 | -7.825 |
| 4 | 7 | 4 | 15.318 | 11.351 | 11.351 | 0.0 | 4.967 |
| 3 | 7 | 4 | 9.967 | 14.827 | 14.827 | 0.0 | -5.860 |
| 2 | 7 | 4 | 42.853 | 43.993 | -43.993 | 0.0 | -1.140 |
| 0 | 6 | 0 | 322.002 | 334.474 | 334.474 | 0.0 | -12.472 |

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| M | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 1 | R | 4 | 14.499 | 10.460 | 10.460 | 0.0 | 3.649 | 1.141 |
| 2 | R | 4 | 7.524 | 3.420 | -3.420 | 0.0 | 4.104 | 0.766 |
| 3 | R | 4 | 9.070 | 11.578 | 11.608 | 0.0 | -2.538 | -0.527 |
| 4 | R | 4 | 29.827 | 30.726 | 30.726 | 0.0 | -0.899 | -0.454 |
| 6 | R | 4 | 8.283 | 9.599 | -9.599 | 0.0 | -1.236 | -0.255 |
| 7 | R | 4 | 7.125 | 9.436 | -9.436 | 0.0 | -0.307 | -0.052 |
| 8 | R | 4 | 31.270 | 31.915 | -31.915 | 0.0 | -0.537 | -0.273 |
| 9 | R | 4 | 20.636 | 24.800 | 24.800 | 0.0 | -4.164 | -1.351 |
| 10 | R | 4 | 14.661 | 8.020 | -8.020 | 0.0 | 6.432 | 1.923 |
| 11 | R | 4 | 8.407 | 2.235 | 2.235 | 0.0 | 6.172 | 1.198 |
| 12 | R | 4 | 26.462 | 27.322 | 27.322 | 0.0 | -0.860 | -0.343 |
| 14 | R | 4 | 13.297 | 9.177 | 9.177 | 0.0 | 4.121 | 0.998 |
| 15 | R | 4 | 10.690 | 3.553 | 3.553 | 0.0 | 7.137 | 1.468 |
| 16 | R | 4 | 25.344 | 17.025 | -17.025 | 0.0 | 9.319 | 5.053 |
| 18 | R | 4 | 7.289 | 0.357 | -0.357 | 0.0 | 6.862 | 1.047 |
| 0 | R | 0 | 322.576 | 334.474 | 334.474 | 0.0 | -11.898 | -2.017 |
| 12 | R | 4 | 7.627 | 4.637 | -4.637 | 0.0 | 2.990 | 0.493 |
| 10 | R | 4 | 12.675 | 11.265 | 11.265 | 0.0 | 1.414 | 0.346 |
| 8 | R | 4 | 4.766 | 12.958 | 12.958 | 0.0 | -4.212 | -0.732 |
| 8 | R | 4 | 9.512 | 2.168 | 2.168 | 0.0 | 7.344 | 1.475 |
| 7 | R | 4 | 4.099 | 4.084 | 4.084 | 0.0 | -0.035 | -0.005 |
| 5 | R | 4 | 10.086 | 7.544 | 7.544 | 0.0 | 2.542 | 0.572 |
| 4 | R | 4 | 4.859 | 2.018 | 2.018 | 0.0 | 2.843 | 0.414 |
| 3 | R | 4 | 7.818 | 9.620 | -9.620 | 0.0 | -1.802 | -0.315 |
| 2 | R | 4 | 10.307 | 11.762 | 11.762 | 0.0 | -1.454 | -0.328 |
| 0 | R | 4 | 15.272 | 1.066 | -1.066 | 0.0 | 14.206 | 4.591 |
| 1 | R | 4 | 15.802 | 11.031 | 11.031 | 0.0 | 4.771 | 1.372 |
| 2 | R | 4 | 9.365 | 8.641 | -8.641 | 0.0 | 0.724 | 0.145 |
| 3 | R | 4 | 17.762 | 16.792 | -16.792 | 0.0 | 0.970 | 0.326 |
| 4 | R | 4 | 16.907 | 20.450 | -20.450 | 0.0 | -3.543 | -0.977 |
| 5 | R | 4 | 16.059 | 17.367 | 17.367 | 0.0 | 1.192 | 0.397 |
| 6 | R | 4 | 12.855 | 4.586 | -4.586 | 0.0 | 8.269 | 2.103 |
| 6 | R | 4 | 2.753 | 6.245 | 6.245 | 0.0 | -3.492 | -0.407 |
| 0 | R | 0 | 323.725 | 334.474 | 334.474 | 0.0 | -10.749 | -1.812 |
| 9 | R | 4 | 2.473 | 3.716 | 3.716 | 0.0 | -1.243 | -0.137 |
| 10 | R | 4 | 13.194 | 0.163 | -0.163 | 0.0 | 13.032 | 3.326 |
| 11 | R | 4 | 10.322 | 3.957 | 3.957 | 0.0 | 6.465 | 1.359 |
| 8 | R | 4 | 10.720 | 8.520 | -8.520 | 0.0 | 2.200 | 0.446 |
| 7 | R | 4 | 14.019 | 2.536 | 2.536 | 0.0 | 11.484 | 3.131 |
| 6 | R | 4 | 20.282 | 21.770 | 21.770 | 0.0 | -1.487 | -0.448 |
| 4 | R | 4 | 7.421 | 4.175 | -4.175 | 0.0 | 3.246 | 0.543 |
| 2 | R | 4 | 35.012 | 32.436 | -32.436 | 0.0 | 2.576 | 1.245 |
| 1 | R | 4 | 15.831 | 23.610 | -23.610 | 0.0 | -7.779 | -1.908 |
| 0 | R | 5 | 6.802 | 5.185 | -5.185 | 0.0 | 1.617 | 0.257 |
| 1 | R | 5 | 10.455 | 8.575 | 8.575 | 0.0 | 1.879 | 0.382 |
| 2 | R | 5 | 25.193 | 23.421 | 23.421 | 0.0 | 1.772 | 0.686 |
| 4 | R | 5 | 10.572 | 3.697 | 3.697 | 0.0 | 6.875 | 1.415 |
| 5 | R | 5 | 9.762 | 8.532 | -8.532 | 0.0 | 1.230 | 0.246 |
| 6 | R | 5 | 11.103 | 8.248 | 8.248 | 0.0 | 2.855 | 0.586 |
| 0 | R | 0 | 322.695 | 334.474 | 334.474 | 0.0 | -11.819 | -2.003 |
| 11 | R | 5 | 26.875 | 23.319 | -23.319 | 0.0 | 3.556 | 1.385 |
| 10 | R | 5 | 16.062 | 13.106 | 13.106 | 0.0 | 2.974 | 0.808 |
| 9 | R | 5 | 32.264 | 33.738 | 33.738 | 0.0 | -1.474 | -0.605 |

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| H | K | L | F(CNS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 8 | 0 | 5 | 29.635 | 30.691 | -30.691 | 0.0 | -1.055 | -0.439 |
| 7 | 0 | 5 | 18.057 | 18.051 | 18.051 | 0.0 | 0.065 | 0.001 |
| 6 | 0 | 5 | 10.823 | 9.610 | -9.610 | 0.0 | 1.213 | 0.260 |
| 5 | 0 | 5 | 27.652 | 29.977 | -29.977 | 0.0 | -2.025 | -0.758 |
| 4 | 0 | 5 | 9.895 | 9.437 | -9.437 | 0.0 | 0.458 | 0.090 |
| 3 | 0 | 5 | 39.182 | 38.784 | -38.784 | 0.0 | 0.399 | 0.206 |
| 2 | 0 | 5 | 9.291 | 7.485 | -7.485 | 0.0 | 1.806 | 0.323 |
| 1 | 0 | 5 | 13.306 | 3.468 | -3.468 | 0.0 | 9.918 | 2.704 |
| 0 | 8 | 5 | 12.296 | 6.183 | -6.183 | 0.0 | 6.112 | 1.531 |
| 1 | 8 | 5 | 20.409 | 19.873 | -19.873 | 0.0 | 0.536 | 0.216 |
| 2 | 8 | 5 | 46.453 | 44.195 | -44.195 | 0.0 | 2.258 | 1.349 |
| 3 | 8 | 5 | 35.781 | 42.345 | -42.345 | 0.0 | -6.564 | -2.941 |
| 4 | 8 | 5 | 20.223 | 17.211 | -17.211 | 0.0 | 3.012 | 1.044 |
| 5 | 8 | 5 | 24.706 | 30.119 | -30.118 | 0.0 | -5.411 | -1.853 |
| 7 | 8 | 5 | 16.156 | 17.113 | -17.113 | 0.0 | -0.958 | -0.274 |
| 8 | 8 | 5 | 4.815 | 8.793 | -8.793 | 0.0 | -3.978 | -0.530 |
| 0 | 6 | 0 | 322.932 | 334.474 | -334.474 | 0.0 | -11.542 | -1.955 |
| 0 | 8 | 5 | 49.834 | 46.565 | -46.565 | 0.0 | 3.269 | 2.181 |
| 10 | 8 | 5 | 2.856 | 4.575 | -4.575 | 0.0 | -1.718 | -0.197 |
| 11 | 8 | 5 | 41.727 | 43.669 | -43.669 | 0.0 | -1.941 | -0.937 |
| 13 | 8 | 5 | 10.852 | 7.517 | -7.517 | 0.0 | 3.335 | 0.730 |
| 15 | 7 | 5 | 5.315 | 11.959 | -11.959 | 0.0 | -6.644 | -0.948 |
| 14 | 7 | 5 | 13.990 | 4.713 | -4.713 | 0.0 | 9.277 | 2.358 |
| 13 | 7 | 5 | 5.989 | 1.990 | -1.990 | 0.0 | 3.900 | 0.562 |
| 12 | 7 | 5 | 15.537 | 18.680 | -18.680 | 0.0 | -3.144 | -0.762 |
| 10 | 7 | 5 | 11.058 | 6.809 | -6.809 | 0.0 | 4.250 | 0.919 |
| 0 | 7 | 5 | 11.898 | 10.196 | -10.196 | 0.0 | 1.702 | 0.407 |
| 8 | 7 | 5 | 22.612 | 21.377 | -21.377 | 0.0 | 1.235 | 0.734 |
| 6 | 7 | 5 | 11.544 | 2.474 | -2.474 | 0.0 | 9.071 | 2.268 |
| 5 | 7 | 5 | 5.551 | 9.822 | -9.822 | 0.0 | -4.271 | -0.669 |
| 4 | 7 | 5 | 20.179 | 18.997 | -18.997 | 0.0 | 1.182 | 0.766 |
| 3 | 7 | 5 | 21.092 | 26.245 | -26.245 | 0.0 | -5.152 | -1.839 |
| 0 | 6 | 0 | 321.964 | 334.474 | -334.474 | 0.0 | -12.510 | -2.147 |
| 0 | 6 | 5 | 4.461 | 1.260 | -1.260 | 0.0 | 3.202 | 0.473 |
| 1 | 6 | 5 | 12.964 | 10.436 | -10.436 | 0.0 | 2.508 | 0.692 |
| 2 | 6 | 5 | 12.502 | 13.089 | -13.089 | 0.0 | -0.587 | -0.167 |
| 3 | 6 | 5 | 7.377 | -15.017 | 15.017 | 0.0 | -7.641 | -1.329 |
| 4 | 6 | 5 | 11.471 | 2.469 | -2.469 | 0.0 | 9.003 | 2.406 |
| 9 | 6 | 5 | 14.653 | 8.538 | -8.538 | 0.0 | 6.115 | 1.774 |
| 12 | 6 | 5 | 9.129 | 3.842 | -3.842 | 0.0 | 5.287 | 1.044 |
| 18 | 5 | 5 | 4.167 | 5.368 | -5.368 | 0.0 | -1.201 | -0.149 |
| 0 | 6 | 0 | 323.704 | 334.474 | -334.474 | 0.0 | -10.770 | -1.702 |
| 14 | 5 | 5 | 10.425 | 7.465 | -7.465 | 0.0 | 2.969 | 0.632 |
| 13 | 5 | 5 | 20.621 | 21.458 | -21.458 | 0.0 | -0.837 | -0.274 |
| 12 | 5 | 5 | 27.569 | 25.833 | -25.833 | 0.0 | 1.736 | 0.834 |
| 11 | 5 | 5 | 20.872 | 14.885 | -14.885 | 0.0 | 5.987 | 2.586 |
| 10 | 5 | 5 | 13.872 | 9.819 | -9.819 | 0.0 | 4.053 | 1.251 |
| 0 | 5 | 5 | 20.798 | 22.384 | -22.384 | 0.0 | -1.586 | -0.552 |
| 7 | 5 | 5 | 37.970 | 37.964 | -37.964 | 0.0 | -0.006 | -0.001 |
| 6 | 5 | 5 | 12.561 | 17.068 | -17.068 | 0.0 | -4.507 | -1.129 |
| 5 | 5 | 5 | 24.559 | 23.353 | -23.353 | 0.0 | 1.206 | 0.572 |
| 3 | 5 | 5 | 13.857 | 11.758 | -11.758 | 0.0 | 2.099 | 0.821 |
| 2 | 5 | 5 | 7.215 | 12.095 | -12.095 | 0.0 | -4.880 | -0.926 |

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| H | K | L | F(CALC) | F(CALC) | Δ(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 1 | 5 | 5 | 19.752 | 21.760 | 21.760 | 0.0 | -2.017 | -0.728 |
| 0 | 4 | F | 9.702 | 10.290 | -10.290 | 0.0 | -0.448 | -0.119 |
| 2 | 4 | F | 11.073 | 9.064 | -4.964 | 0.0 | 6.109 | 1.700 |
| 2 | 4 | F | 38.694 | 41.490 | 41.490 | 0.0 | -2.794 | -1.734 |
| 3 | 4 | S | 32.087 | 32.773 | -32.773 | 0.0 | -0.686 | -0.387 |
| 0 | 6 | 0 | 320.476 | 334.474 | 334.474 | 0.0 | -13.598 | -2.319 * |
| 4 | 4 | F | 10.705 | 8.641 | -8.641 | 0.0 | 2.064 | 0.524 |
| 6 | 4 | F | 17.963 | 20.468 | 20.468 | 0.0 | -2.480 | -0.817 |
| 7 | 4 | S | 11.338 | 5.580 | -5.580 | 0.0 | 5.758 | 1.602 |
| 8 | 4 | F | 10.337 | 2.624 | -2.624 | 0.0 | 7.713 | 1.844 |
| 8 | 4 | F | 27.638 | 27.647 | -27.647 | 0.0 | 0.200 | 0.144 |
| 10 | 4 | S | 7.057 | 3.058 | -3.058 | 0.0 | 4.009 | 0.734 |
| 11 | 4 | S | 31.038 | 29.176 | -29.176 | 0.0 | 1.862 | 0.993 |
| 12 | 4 | S | 12.664 | 2.606 | -2.606 | 0.0 | 10.058 | 2.859 * |
| 13 | 4 | S | 9.571 | 9.107 | -9.107 | 0.0 | 0.464 | 0.087 |
| 14 | 4 | S | 8.614 | 5.865 | -5.865 | 0.0 | 2.749 | 0.517 |
| 16 | 4 | F | 7.215 | 1.214 | -1.214 | 0.0 | 6.001 | 0.989 |
| 17 | 4 | S | 22.302 | 21.600 | -21.600 | 0.0 | 0.702 | 0.263 |
| 18 | 4 | S | 23.664 | 21.701 | -21.701 | 0.0 | 2.253 | 0.821 |
| 18 | 4 | S | 2.812 | 1.015 | -1.015 | 0.0 | 1.797 | 0.199 |
| 20 | 3 | S | 18.670 | 18.269 | -18.269 | 0.0 | 0.702 | 0.231 |
| 19 | 3 | S | 13.704 | 17.146 | -17.146 | 0.0 | -3.662 | -0.777 |
| 18 | 3 | S | 9.615 | 14.812 | 14.812 | 0.0 | -5.197 | -0.900 |
| 17 | 3 | F | 52.843 | 51.164 | 51.164 | 0.0 | 1.698 | 1.100 |
| 0 | 6 | 0 | 322.768 | 334.474 | 334.474 | 0.0 | -11.106 | -1.880 * |
| 16 | 3 | S | 35.648 | 38.786 | -38.786 | 0.0 | -3.138 | -1.454 |
| 13 | 3 | S | 27.643 | 32.872 | -32.872 | 0.0 | -4.930 | -1.794 |
| 12 | 3 | S | 30.521 | 25.144 | -25.144 | 0.0 | 5.377 | 2.823 |
| 12 | 3 | S | 54.021 | 52.590 | -52.590 | 0.0 | 1.431 | 0.973 |
| 11 | 3 | S | 70.834 | 66.613 | -66.613 | 0.0 | 1.221 | 0.817 |
| 10 | 3 | S | 39.034 | 37.285 | -37.285 | 0.0 | 1.750 | 1.105 |
| 9 | 3 | S | 85.120 | 85.069 | 85.069 | 0.0 | 0.052 | 0.032 |
| 9 | 3 | S | 51.857 | 52.189 | -52.189 | 0.0 | -1.292 | -0.821 |
| 7 | 3 | S | 60.850 | 61.958 | -61.958 | 0.0 | -1.108 | -0.783 |
| 6 | 3 | S | 26.270 | 24.607 | -24.607 | 0.0 | 1.663 | 0.801 |
| 5 | 3 | S | 82.592 | 82.144 | -82.144 | 0.0 | -0.448 | -0.350 |
| 3 | 3 | S | 95.266 | 95.782 | -95.782 | 0.0 | -0.513 | -0.382 |
| 2 | 3 | S | 29.443 | 30.461 | -30.461 | 0.0 | -1.018 | -0.556 |
| 1 | 3 | S | 26.359 | 30.056 | -30.056 | 0.0 | -1.557 | -0.844 |
| 1 | 2 | S | 27.126 | 29.358 | -29.358 | 0.0 | -2.232 | -1.240 |
| 2 | 2 | S | 49.212 | 58.220 | -58.220 | 0.0 | 0.992 | 0.724 |
| 3 | 2 | S | 58.557 | 62.373 | -62.373 | 0.0 | -3.816 | -2.757 |
| 0 | 6 | 0 | 323.150 | 334.474 | 334.474 | 0.0 | -11.323 | -1.917 * |
| 4 | 2 | S | 24.779 | 25.809 | -25.809 | 0.0 | -1.520 | -0.710 |
| 4 | 2 | S | 45.122 | 48.256 | -48.256 | 0.0 | 0.866 | 0.614 |
| 6 | 2 | F | 12.767 | 16.467 | -16.467 | 0.0 | -3.600 | -0.900 |
| 7 | 2 | S | 19.811 | 22.534 | -22.534 | 0.0 | -2.723 | -1.015 |
| 8 | 2 | S | 17.280 | 14.958 | -14.958 | 0.0 | 2.332 | 0.909 |
| 9 | 2 | S | 63.024 | 63.934 | -63.934 | 0.0 | 1.089 | 0.753 |
| 11 | 2 | S | 62.116 | 62.037 | 62.037 | 0.0 | 0.079 | 0.053 |
| 12 | 2 | S | 14.225 | 14.154 | 14.154 | 0.0 | 0.071 | 0.021 |
| 13 | 2 | S | 7.232 | 6.561 | -6.561 | 0.0 | 0.772 | 0.138 |
| 14 | 2 | S | 10.911 | 10.293 | 10.293 | 0.0 | 0.618 | 0.141 |

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| H | K | L | F(CORS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 15 | 2 | 5 | 9.483 | 15.620 | -15.620 | 0.0 | -6.139 | -1.139 |
| 16 | 2 | 5 | 14.422 | 0.383 | -9.308 | 0.0 | 6.250 | 1.700 |
| 17 | 2 | 5 | 34.660 | 33.213 | 33.213 | 0.0 | 1.253 | 0.619 |
| 18 | 2 | 5 | 20.695 | 16.955 | 16.955 | 0.0 | 3.739 | 1.321 |
| 19 | 1 | 5 | 14.314 | 4.703 | -4.703 | 0.0 | 9.611 | 3.707 |
| 0 | 6 | 0 | 323.150 | 334.474 | 334.474 | 0.0 | -11.323 | -1.917 |
| 17 | 1 | 5 | 13.104 | 0.082 | -0.082 | 0.0 | 4.024 | 1.040 |
| 15 | 1 | 5 | 8.157 | 4.294 | -4.294 | 0.0 | 3.893 | 0.804 |
| 14 | 1 | 5 | 15.507 | 8.244 | -8.244 | 0.0 | 7.263 | 2.314 |
| 13 | 1 | 5 | 15.605 | 18.505 | -18.505 | 0.0 | -2.600 | -0.771 |
| 12 | 1 | 5 | 36.407 | 35.510 | 35.510 | 0.0 | 1.189 | 0.699 |
| 0 | 1 | 5 | 2.105 | 10.432 | 10.432 | 0.0 | -8.327 | -0.994 |
| 8 | 1 | 5 | 21.639 | 17.553 | 17.553 | 0.0 | 4.086 | 1.848 |
| 7 | 1 | 5 | 31.280 | 29.023 | 29.023 | 0.0 | 1.367 | 0.791 |
| 6 | 1 | 5 | 10.559 | 16.535 | -16.535 | 0.0 | -6.036 | -1.394 |
| 4 | 1 | 5 | 12.975 | 14.715 | 14.715 | 0.0 | -0.740 | -0.240 |
| 3 | 1 | 5 | 8.696 | 10.977 | 10.977 | 0.0 | -2.481 | -0.556 |
| 2 | 1 | 5 | 16.886 | 9.463 | -9.463 | 0.0 | 7.223 | 3.193 |
| 1 | 1 | 5 | 12.960 | 13.829 | 13.829 | 0.0 | 0.132 | 0.042 |
| 0 | 0 | 6 | 104.514 | 102.509 | -102.509 | 0.0 | 2.009 | 1.081 |
| 1 | 0 | 6 | 81.900 | 80.076 | -80.076 | 0.0 | 1.804 | 1.122 |
| 0 | 6 | 0 | 323.091 | 334.474 | 334.474 | 0.0 | -11.303 | -1.928 |
| 2 | 0 | 6 | 10.249 | 6.778 | -6.778 | 0.0 | 3.471 | 0.848 |
| 3 | 0 | 6 | 43.401 | 44.092 | -44.092 | 0.0 | -0.691 | -0.466 |
| 4 | 0 | 6 | 19.084 | 18.685 | 18.685 | 0.0 | 0.374 | 0.127 |
| 5 | 0 | 6 | 36.165 | 35.100 | 35.100 | 0.0 | 1.065 | 0.600 |
| 6 | 0 | 6 | 5.227 | 1.140 | -1.140 | 0.0 | 4.087 | 0.640 |
| 7 | 0 | 6 | 68.443 | 70.073 | 70.073 | 0.0 | -1.631 | -1.001 |
| 8 | 0 | 6 | 44.601 | 44.723 | -44.723 | 0.0 | -0.122 | -0.074 |
| 0 | 0 | 6 | 0.232 | 14.264 | -14.264 | 0.0 | -5.032 | -0.997 |
| 10 | 0 | 6 | 11.736 | 14.638 | 14.638 | 0.0 | -2.902 | -0.663 |
| 11 | 0 | 6 | 11.324 | 9.821 | -9.821 | 0.0 | 1.503 | 0.332 |
| 12 | 0 | 6 | 41.269 | 40.911 | 40.911 | 0.0 | 0.358 | 0.103 |
| 13 | 0 | 6 | 59.331 | 57.371 | 57.371 | 0.0 | 1.960 | 1.175 |
| 15 | 0 | 6 | 52.477 | 55.116 | 55.116 | 0.0 | -2.640 | -1.532 |
| 16 | 0 | 6 | 19.840 | 23.122 | -23.122 | 0.0 | -3.282 | -0.968 |
| 17 | 0 | 6 | 22.184 | 10.994 | -10.994 | 0.0 | 11.181 | 4.773 |
| 15 | 1 | 6 | 14.034 | 16.166 | -16.166 | 0.0 | -2.132 | -0.481 |
| 14 | 1 | 6 | 44.082 | 44.312 | -44.312 | 0.0 | -0.230 | -0.125 |
| 0 | 6 | 0 | 222.982 | 334.474 | 334.474 | 0.0 | -10.491 | -1.768 |
| 13 | 1 | 6 | 41.047 | 39.572 | 39.572 | 0.0 | 1.474 | 0.823 |
| 12 | 1 | 6 | 12.118 | 12.108 | 12.108 | 0.0 | 0.011 | 0.003 |
| 11 | 1 | 6 | 7.980 | 2.123 | -2.123 | 0.0 | 5.848 | 1.076 |
| 10 | 1 | 6 | 16.812 | 13.688 | -13.688 | 0.0 | 3.125 | 0.751 |
| 9 | 1 | 6 | 12.944 | 4.949 | -4.949 | 0.0 | 7.995 | 2.233 |
| 8 | 1 | 6 | 5.256 | 0.256 | 0.256 | 0.0 | 5.001 | 0.768 |
| 7 | 1 | 6 | 34.258 | 35.052 | -35.052 | 0.0 | -0.793 | -0.401 |
| 6 | 1 | 6 | 37.023 | 36.360 | -36.360 | 0.0 | 0.662 | 0.353 |
| 5 | 1 | 6 | 11.858 | 8.662 | 8.662 | 0.0 | 3.226 | 0.838 |
| 4 | 1 | 6 | 11.382 | 11.794 | -11.794 | 0.0 | 0.009 | 0.021 |
| 3 | 1 | 6 | 6.590 | 4.494 | -4.494 | 0.0 | 2.455 | 0.432 |
| 2 | 1 | 6 | 26.578 | 23.557 | 23.557 | 0.0 | 3.472 | 1.840 |
| 1 | 1 | 6 | 42.201 | 42.944 | -42.944 | 0.0 | -0.743 | -0.452 |

| II | K | L | F(COR) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 0 | 2 | 6 | 5.399 | 3.054 | 3.054 | 0.0 | 2.334 | 0.372 |
| 1 | 2 | 6 | 6.022 | 8.808 | -8.808 | 0.0 | -2.786 | -0.456 |
| 2 | 2 | 6 | 11.735 | 12.568 | -12.568 | 0.0 | -0.832 | -0.205 |
| 3 | 2 | 6 | 30.551 | 27.884 | -27.884 | 0.0 | 2.667 | 1.468 |
| 4 | 2 | 6 | 27.067 | 20.657 | 20.657 | 0.0 | 6.410 | 3.241 |
| 5 | 2 | 6 | 14.137 | 0.671 | 0.671 | 0.0 | 4.466 | 1.461 |
| 6 | 2 | 6 | 2.444 | 13.960 | -13.960 | 0.0 | -11.516 | -1.063 * |
| 0 | 6 | 0 | 323.765 | 334.474 | 334.474 | 0.0 | -10.709 | -1.805 * |
| 9 | 3 | 6 | 13.207 | 12.538 | -12.538 | 0.0 | 0.671 | 0.167 |
| 10 | 3 | 6 | 11.951 | 11.441 | -11.441 | 0.0 | 0.310 | 0.073 |
| 11 | 2 | 6 | 30.506 | 24.083 | -24.083 | 0.0 | 6.423 | 3.536 |
| 12 | 2 | 6 | 12.104 | 5.683 | 5.683 | 0.0 | 6.421 | 1.508 |
| 16 | 2 | 6 | 4.417 | 15.444 | -15.444 | 0.0 | -11.027 | -1.293 * |
| 17 | 2 | 6 | 17.423 | 12.705 | -12.705 | 0.0 | 4.718 | 1.374 |
| 15 | 3 | 6 | 14.622 | 0.969 | -0.969 | 0.0 | 13.654 | 3.767 * |
| 14 | 3 | 6 | 14.830 | 0.618 | -0.618 | 0.0 | 14.211 | 3.953 * |
| 11 | 3 | 6 | 17.517 | 6.282 | 6.282 | 0.0 | 6.235 | 1.485 * |
| 10 | 3 | 6 | 10.667 | 7.898 | 7.898 | 0.0 | 7.969 | 1.786 |
| 9 | 3 | 6 | 8.746 | 4.691 | 4.691 | 0.0 | 4.055 | 0.815 |
| 0 | 6 | 0 | 323.763 | 334.474 | 334.474 | 0.0 | -10.531 | -1.775 * |
| 7 | 3 | 6 | 4.540 | 7.163 | -7.163 | 0.0 | 1.377 | 0.267 |
| 6 | 3 | 6 | 10.425 | 7.487 | -7.487 | 0.0 | 2.938 | 0.654 |
| 1 | 2 | 6 | 15.330 | 6.246 | -6.246 | 0.0 | 9.085 | 3.262 |
| 0 | 6 | 0 | 26.878 | 27.818 | 27.818 | 0.0 | -1.940 | -0.408 |
| 1 | 4 | 6 | 12.207 | 12.417 | 12.417 | 0.0 | -0.210 | -0.053 |
| 2 | 4 | 6 | 9.792 | 7.278 | -7.278 | 0.0 | 2.513 | 0.558 |
| 3 | 4 | 6 | 26.754 | 26.675 | -26.675 | 0.0 | 0.079 | 0.130 |
| 4 | 4 | 6 | 11.627 | 9.352 | -9.352 | 0.0 | 2.285 | 0.613 |
| 5 | 4 | 6 | 11.000 | 10.462 | -10.462 | 0.0 | 0.538 | 0.121 |
| 6 | 4 | 6 | 5.345 | 4.838 | -4.838 | 0.0 | 0.507 | 0.072 |
| 7 | 4 | 6 | 17.880 | 12.190 | -12.190 | 0.0 | 5.690 | 1.902 |
| 8 | 4 | 6 | 12.738 | 7.486 | 7.486 | 0.0 | 5.252 | 1.340 |
| 9 | 4 | 6 | 11.657 | 0.394 | -0.394 | 0.0 | 2.573 | 0.575 |
| 10 | 4 | 6 | 9.512 | 4.544 | -4.544 | 0.0 | 4.568 | 0.954 |
| 11 | 4 | 6 | 4.123 | 5.606 | -5.606 | 0.0 | -1.483 | -0.186 |
| 12 | 4 | 6 | 15.086 | 8.456 | -8.456 | 0.0 | 6.551 | 1.853 |
| 0 | 6 | 0 | 323.728 | 334.474 | 334.474 | 0.0 | -11.046 | -1.863 * |
| 13 | 4 | 6 | 17.231 | 10.036 | -10.036 | 0.0 | 7.195 | 2.170 |
| 14 | 4 | 6 | 11.441 | 1.898 | 1.898 | 0.0 | 9.544 | 2.104 |
| 14 | 5 | 6 | 37.204 | 37.526 | 37.526 | 0.0 | -0.323 | -0.151 |
| 13 | 5 | 6 | 42.431 | 40.700 | -40.700 | 0.0 | 1.930 | 1.010 |
| 12 | 5 | 6 | 5.669 | 1.589 | -1.589 | 0.0 | 4.080 | 0.571 |
| 10 | 5 | 6 | 17.888 | 2.711 | 2.711 | 0.0 | 14.977 | 3.031 * |
| 0 | 6 | 0 | 6.719 | 3.063 | 3.063 | 0.0 | 6.655 | 1.329 |
| 8 | 5 | 6 | 14.868 | 11.261 | -11.261 | 0.0 | 3.627 | 0.958 |
| 7 | 5 | 6 | 39.605 | 35.068 | -35.068 | 0.0 | 3.537 | 2.026 |
| 6 | 5 | 6 | 44.363 | 45.599 | 45.599 | 0.0 | -1.235 | -0.672 |
| 5 | 5 | 6 | 28.735 | 28.033 | -28.033 | 0.0 | 0.702 | 0.323 |
| 4 | 5 | 6 | 8.113 | 4.267 | -4.267 | 0.0 | 3.846 | 0.712 |
| 2 | 5 | 6 | 21.244 | 23.740 | -23.740 | 0.0 | -2.396 | -0.921 |
| 1 | 5 | 6 | 54.809 | 57.893 | 57.893 | 0.0 | -3.074 | -1.880 |
| 0 | 6 | 0 | 72.857 | 75.468 | -75.468 | 0.0 | -2.509 | -1.510 |
| 1 | 6 | 6 | 49.508 | 51.571 | -51.571 | 0.0 | -2.063 | -1.168 |

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| H | K | L | F(CRS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 2 | 6 | 6 | 9.665 | 15.410 | 15.410 | 0.0 | -5.545 | -1.052 |
| 0 | 6 | 0 | 322.022 | 334.474 | 334.474 | 0.0 | -12.452 | -2.170 |
| 2 | 6 | 6 | 9.233 | 12.592 | -13.502 | 0.0 | -3.759 | -0.715 |
| 4 | 6 | 6 | 12.252 | 5.483 | 5.483 | 0.0 | 6.769 | 1.618 |
| 5 | 6 | 6 | 30.403 | 24.877 | 26.877 | 0.0 | 3.526 | 1.670 |
| 7 | 6 | 6 | 44.400 | 46.022 | 46.022 | 0.0 | -1.614 | -0.359 |
| 8 | 6 | 6 | 20.091 | 20.841 | -20.841 | 0.0 | -0.750 | -0.227 |
| 6 | 6 | 6 | 8.746 | 0.508 | -0.508 | 0.0 | 8.239 | 1.488 |
| 10 | 6 | 6 | 10.449 | 2.734 | -2.734 | 0.0 | 7.755 | 1.583 |
| 11 | 6 | 6 | 8.511 | 9.590 | -9.590 | 0.0 | -1.079 | -0.189 |
| 12 | 6 | 6 | 26.978 | 30.395 | 30.395 | 0.0 | -3.416 | -1.169 |
| 13 | 6 | 6 | 38.894 | 36.352 | 34.352 | 0.0 | 2.523 | 1.370 |
| 10 | 7 | 6 | 12.738 | 16.297 | -16.297 | 0.0 | -3.559 | -0.753 |
| 9 | 7 | 6 | 15.493 | 12.675 | 12.675 | 0.0 | 2.818 | 0.733 |
| 7 | 7 | 6 | 17.968 | 13.011 | -13.011 | 0.0 | 4.957 | 1.495 |
| 6 | 7 | 6 | 22.111 | 20.695 | -20.695 | 0.0 | 1.415 | 0.508 |
| 3 | 7 | 6 | 14.476 | 16.167 | -16.167 | 0.0 | -1.691 | -0.416 |
| 0 | 6 | 0 | 323.249 | 334.474 | 334.474 | 0.0 | -11.225 | -1.700 |
| 1 | 7 | 6 | 7.022 | 12.664 | -12.664 | 0.0 | -6.622 | -0.925 |
| 0 | 6 | 6 | 10.955 | 0.569 | 0.569 | 0.0 | 10.386 | 2.246 |
| 2 | 6 | 6 | 10.366 | 0.814 | 0.814 | 0.0 | 9.552 | 1.954 |
| 3 | 6 | 6 | 24.824 | 24.062 | -24.062 | 0.0 | 0.763 | 0.286 |
| 4 | 6 | 6 | 23.541 | 20.000 | 20.000 | 0.0 | 3.541 | 1.319 |
| 7 | 6 | 6 | 5.153 | 8.554 | 6.554 | 0.0 | -3.401 | -0.445 |
| 6 | 5 | 7 | 7.509 | 5.362 | 5.362 | 0.0 | 2.147 | 0.339 |
| 6 | 5 | 7 | 16.553 | 10.020 | -13.020 | 0.0 | -1.466 | -0.365 |
| 2 | 5 | 7 | 20.105 | 18.244 | 18.244 | 0.0 | 1.861 | 0.594 |
| 1 | 5 | 7 | 12.738 | 14.489 | -14.489 | 0.0 | -1.751 | -0.386 |
| 0 | 6 | 0 | 322.812 | 334.474 | 334.474 | 0.0 | -11.662 | -1.959 |
| 0 | 4 | 7 | 8.555 | 2.685 | -2.685 | 0.0 | 5.869 | 1.052 |
| 1 | 4 | 7 | 26.742 | 22.491 | 22.491 | 0.0 | 4.251 | 2.001 |
| 2 | 4 | 7 | 6.037 | 1.019 | -1.019 | 0.0 | 5.018 | 0.719 |
| 4 | 4 | 7 | 5.624 | 0.743 | -0.743 | 0.0 | -4.119 | -0.523 |
| 4 | 4 | 7 | 18.086 | 21.213 | -21.213 | 0.0 | -3.127 | -0.816 |
| 5 | 4 | 7 | 21.491 | 23.446 | 23.446 | 0.0 | -1.957 | -0.593 |
| 6 | 4 | 7 | 8.428 | 0.575 | -0.575 | 0.0 | 8.052 | 1.439 |
| 7 | 4 | 7 | 15.776 | 11.593 | 11.593 | 0.0 | 4.283 | 1.114 |
| 8 | 4 | 7 | 10.057 | 14.422 | -14.422 | 0.0 | -4.365 | -0.774 |
| 11 | 3 | 7 | 35.456 | 35.055 | -35.055 | 0.0 | 0.401 | 0.177 |
| 10 | 3 | 7 | 60.373 | 59.031 | 59.031 | 0.0 | -1.342 | 0.730 |
| 9 | 3 | 7 | 13.548 | 2.208 | -2.208 | 0.0 | 11.340 | 2.809 |
| 7 | 3 | 7 | 11.162 | 14.944 | -14.944 | 0.0 | -3.783 | -0.713 |
| 6 | 3 | 7 | 41.520 | 42.680 | -42.680 | 0.0 | -1.160 | -0.593 |
| 5 | 3 | 7 | 20.769 | 21.081 | 21.081 | 0.0 | -0.312 | -0.103 |
| 3 | 3 | 7 | 14.214 | 22.563 | 22.563 | 0.0 | -8.249 | -1.728 |
| 2 | 3 | 7 | 58.884 | 59.510 | 59.510 | 0.0 | -0.626 | -0.369 |
| 0 | 6 | 0 | 323.448 | 334.474 | 334.474 | 0.0 | -11.026 | -1.860 |
| 1 | 3 | 7 | 24.662 | 25.903 | 25.903 | 0.0 | -1.241 | -0.434 |
| 0 | 2 | 7 | 23.600 | 21.684 | -21.684 | 0.0 | 1.516 | 0.787 |
| 1 | 2 | 7 | 27.023 | 27.477 | -27.477 | 0.0 | 0.461 | 0.202 |
| 2 | 2 | 7 | 3.759 | 1.676 | -1.676 | 0.0 | 2.123 | 0.263 |
| 3 | 2 | 7 | 11.697 | 12.980 | 12.980 | 0.0 | -1.289 | -0.264 |
| 4 | 2 | 7 | 44.689 | 46.360 | 46.360 | 0.0 | -1.671 | -0.274 |

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| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|--------|---------|---------|---------|---------|-------------|
| 5 | 2 | 7 | 22.037 | 21.225 | -21.225 | 0.0 | 0.812 | 0.273 |
| 6 | 2 | 7 | 11.309 | 1.311 | 1.311 | 0.0 | 9.997 | 2.197 |
| 7 | 2 | 7 | 6.004 | 8.610 | -8.610 | 0.0 | -1.606 | -0.210 |
| 8 | 2 | 7 | 29.251 | 32.735 | -32.735 | 0.0 | -3.484 | -1.311 |
| 9 | 2 | 7 | 14.701 | 14.830 | -14.830 | 0.0 | 1.870 | 0.520 |
| 10 | 2 | 7 | 14.093 | 6.105 | -6.105 | 0.0 | 13.988 | 3.788 * |
| 11 | 2 | 7 | 26.713 | 23.272 | -23.272 | 0.0 | 3.441 | 1.364 |
| 12 | 1 | 7 | 12.266 | 2.527 | 2.527 | 0.0 | 9.740 | 2.254 |
| 11 | 1 | 7 | 16.406 | 10.922 | 10.922 | 0.0 | 5.484 | 1.513 |
| 10 | 1 | 7 | 6.243 | 7.405 | -7.405 | 0.0 | -1.163 | -0.168 |
| 9 | 1 | 7 | 7.377 | 16.896 | -16.896 | 0.0 | -9.519 | -1.396 |
| 8 | 1 | 7 | 0.674 | 0.396 | -0.396 | 0.0 | 0.278 | 1.765 |
| 7 | 1 | 7 | 5.215 | 2.861 | 2.861 | 0.0 | 2.354 | 0.335 |
| 6 | 6 | 0 | 22.576 | 334.474 | 334.474 | 0.0 | -11.898 | -2.017 * |
| 5 | 1 | 7 | 12.266 | 11.893 | -11.893 | 0.0 | 0.383 | 0.085 |
| 4 | 1 | 7 | 10.793 | 0.243 | -0.243 | 0.0 | 10.550 | 2.287 * |
| 3 | 1 | 7 | 13.227 | 0.658 | -0.658 | 0.0 | 12.669 | 3.320 * |
| 2 | 1 | 7 | 10.631 | 7.562 | 7.562 | 0.0 | 3.069 | 0.617 |
| 1 | 1 | 7 | 18.095 | 15.352 | -15.352 | 0.0 | 3.633 | 1.245 |

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| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 6 | 0 | 0 | 180.869 | 181.517 | -181.517 | 0.0 | -0.648 | -0.224 |
| 6 | 0 | 0 | 15.211 | 13.415 | -13.415 | 0.0 | 1.796 | 1.227 |
| 8 | 0 | 0 | 90.727 | 112.108 | 112.108 | 0.0 | -12.451 | -7.053 * |
| 10 | 0 | 0 | 10.271 | 7.761 | -7.761 | 0.0 | 5.910 | 2.566 |
| 12 | 0 | 0 | 263.595 | 255.836 | -255.836 | 0.0 | 8.124 | 1.784 |
| 14 | 0 | 0 | 17.015 | 16.631 | -16.631 | 0.0 | 0.384 | 0.146 |
| 14 | 0 | 0 | 130.011 | 140.044 | 140.044 | 0.0 | -2.033 | -0.894 |
| 20 | 0 | 0 | 135.115 | 136.702 | -136.702 | 0.0 | -1.588 | -0.700 |
| 24 | 0 | 0 | 18.465 | 10.085 | -10.085 | 0.0 | 8.380 | 3.020 |
| 26 | 0 | 0 | 17.695 | 10.249 | -10.249 | 0.0 | 7.446 | 2.330 |
| 26 | 1 | 0 | 23.748 | 24.106 | -24.106 | 0.0 | -0.358 | -0.124 |
| 26 | 1 | 0 | 7.094 | 11.460 | -11.460 | 0.0 | -4.366 | -0.689 |
| 22 | 1 | 0 | 25.700 | 24.090 | -24.090 | 0.0 | 1.603 | 0.893 |
| 20 | 1 | 0 | 17.679 | 8.701 | -8.701 | 0.0 | 1.978 | 0.511 |
| 18 | 1 | 0 | 44.105 | 45.108 | -45.108 | 0.0 | 0.499 | 0.755 |
| 14 | 1 | 0 | 123.440 | 123.922 | -123.922 | 0.0 | -0.482 | -0.237 |
| 12 | 1 | 0 | 5.914 | 2.620 | -2.620 | 0.0 | 7.154 | 2.222 |
| 0 | 6 | 0 | 310.646 | 325.713 | 325.713 | 0.0 | -15.068 | -2.683 * |
| 10 | 1 | 0 | 49.427 | 45.123 | -45.123 | 0.0 | 0.304 | 0.287 |
| 8 | 1 | 0 | 5.572 | 2.493 | -2.493 | 0.0 | 3.088 | 0.995 |
| 6 | 1 | 0 | 256.236 | 259.627 | -259.627 | 0.0 | -3.391 | -0.778 |
| 4 | 1 | 0 | 5.408 | 5.261 | -5.261 | 0.0 | 4.627 | 2.268 |
| 2 | 1 | 0 | 85.593 | 87.508 | -87.508 | 0.0 | -2.325 | -1.747 |
| 0 | 2 | 0 | 7.404 | 9.400 | -9.400 | 0.0 | -2.196 | -0.971 |
| 2 | 2 | 0 | 11.233 | 2.392 | -2.392 | 0.0 | 8.951 | 5.031 |
| 4 | 2 | 0 | 194.060 | 199.343 | -199.343 | 0.0 | -4.283 | -1.360 |
| 6 | 2 | 0 | 10.904 | 13.619 | -13.619 | 0.0 | -2.815 | -1.421 |
| 8 | 2 | 0 | 81.776 | 80.705 | 80.705 | 0.0 | 1.071 | 0.798 |
| 10 | 2 | 0 | 7.557 | 14.821 | -14.821 | 0.0 | -7.225 | -1.924 |
| 12 | 2 | 0 | 10.479 | 8.867 | -8.867 | 0.0 | 1.612 | 0.485 |
| 16 | 2 | 0 | 61.694 | 62.397 | -62.397 | 0.0 | -0.703 | -0.505 |
| 18 | 2 | 0 | 12.327 | 9.467 | -9.467 | 0.0 | 2.960 | 0.891 |
| 20 | 2 | 0 | 9.267 | 9.399 | -9.399 | 0.0 | -0.133 | -0.030 |
| 22 | 2 | 0 | 4.522 | 7.286 | -7.286 | 0.0 | -2.763 | -0.406 |
| 24 | 2 | 0 | 24.799 | 27.031 | -27.031 | 0.0 | -2.232 | -0.837 |
| 26 | 2 | 0 | 12.000 | 1.294 | -1.294 | 0.0 | 11.506 | 2.759 * |
| 0 | 6 | 0 | 313.165 | 325.713 | 325.713 | 0.0 | -12.547 | -2.209 * |
| 24 | 3 | 0 | 6.296 | 1.726 | -1.726 | 0.0 | 4.569 | 0.696 |
| 14 | 3 | 0 | 44.338 | 44.614 | -44.614 | 0.0 | -0.276 | -0.195 |
| 10 | 3 | 0 | 6.110 | 3.133 | -3.133 | 0.0 | 2.985 | 0.635 |
| 6 | 3 | 0 | 14.338 | 8.047 | -8.047 | 0.0 | 6.292 | 2.781 |
| 4 | 3 | 0 | 12.460 | 6.510 | -6.510 | 0.0 | 5.950 | 2.834 |
| 6 | 3 | 0 | 42.866 | 40.583 | -40.583 | 0.0 | 2.312 | 2.431 |
| 4 | 3 | 0 | 11.691 | 11.612 | -11.612 | 0.0 | 0.079 | 0.045 |
| 2 | 3 | 0 | 50.097 | 49.684 | -49.684 | 0.0 | 0.413 | 0.427 |
| 0 | 4 | 0 | 27.776 | 26.364 | -26.364 | 0.0 | 1.412 | 1.513 |
| 4 | 4 | 0 | 58.645 | 61.073 | -61.073 | 0.0 | -2.428 | -2.289 |
| 8 | 4 | 0 | 8.469 | 3.133 | -3.133 | 0.0 | 5.336 | 1.805 |
| 8 | 4 | 0 | 65.575 | 65.821 | -65.821 | 0.0 | 0.154 | 0.123 |
| 10 | 4 | 0 | 21.232 | 24.524 | -24.524 | 0.0 | -3.294 | -1.795 |
| 0 | 6 | 0 | 311.172 | 325.713 | 325.713 | 0.0 | -14.541 | -2.587 * |
| 16 | 4 | 0 | 38.573 | 39.779 | -39.779 | 0.0 | -0.806 | -0.537 |
| 18 | 4 | 0 | 2.857 | 1.216 | -1.216 | 0.0 | 1.651 | 0.222 |

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Final cyp

| H | K | I | F(CPP) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|----------|---------|---------|-------------|
| 20 | 4 | 0 | 45.483 | 48.551 | 48.551 | 0.0 | -3.068 | -1.964 |
| 22 | 4 | 0 | 8.671 | 11.508 | -11.308 | 0.0 | -2.336 | -0.458 |
| 24 | 4 | 0 | 18.804 | 18.804 | 18.804 | 0.0 | -0.910 | -0.267 |
| 22 | 5 | 0 | 21.054 | 18.242 | -18.242 | 0.0 | 2.812 | 1.151 |
| 20 | 5 | 0 | 5.734 | 9.398 | 9.398 | 0.0 | -3.663 | -0.579 |
| 18 | 5 | 0 | 45.323 | 45.419 | 45.419 | 0.0 | -1.096 | -0.683 |
| 16 | 5 | 0 | 10.270 | 5.750 | -5.750 | 0.0 | 4.640 | 1.236 |
| 14 | 5 | 0 | 178.227 | 178.079 | -178.079 | 0.0 | 0.148 | 0.050 |
| 10 | 5 | 0 | 18.258 | 17.194 | -17.194 | 0.0 | 1.064 | 0.473 |
| 8 | 5 | 0 | 0.400 | 8.503 | -8.503 | 0.0 | 0.897 | 0.247 |
| 6 | 5 | 0 | 139.454 | 142.103 | -142.103 | 0.0 | -2.649 | -1.180 |
| 4 | 5 | 0 | 5.765 | 3.673 | -3.673 | 0.0 | 1.692 | 0.409 |
| 2 | 5 | 0 | 107.647 | 201.680 | 201.680 | 0.0 | -4.023 | -1.249 |
| 0 | 6 | 0 | 311.814 | 325.713 | 325.713 | 0.0 | -13.799 | -2.443 * |
| 0 | 6 | 0 | 312.403 | 325.713 | 325.713 | 0.0 | -13.310 | -2.355 * |
| 4 | 6 | 0 | 76.697 | 78.939 | -78.939 | 0.0 | -2.262 | -1.633 |
| 6 | 6 | 0 | 5.220 | 6.944 | -6.944 | 0.0 | -1.674 | -0.305 |
| 8 | 6 | 0 | 116.054 | 116.438 | 116.438 | 0.0 | -0.384 | -0.199 |
| 12 | 6 | 0 | 105.184 | 103.851 | -103.851 | 0.0 | 1.333 | 0.738 |
| 16 | 6 | 0 | 54.823 | 54.089 | 54.089 | 0.0 | 0.734 | 0.502 |
| 18 | 6 | 0 | 3.946 | 3.779 | 3.779 | 0.0 | 0.166 | 0.023 |
| 20 | 6 | 0 | 101.853 | 104.118 | -104.118 | 0.0 | -2.265 | -1.168 |
| 24 | 6 | 0 | 12.727 | 15.575 | -15.575 | 0.0 | -3.248 | -0.702 |
| 22 | 7 | 0 | 11.647 | 13.438 | -13.438 | 0.0 | -1.791 | -0.382 |
| 20 | 7 | 0 | 12.648 | 11.031 | -11.031 | 0.0 | 11.917 | 3.136 * |
| 18 | 7 | 0 | 10.272 | 15.060 | -15.060 | 0.0 | -4.788 | -1.045 |
| 16 | 7 | 0 | 5.354 | 9.114 | -9.114 | 0.0 | 0.241 | 0.054 |
| 14 | 7 | 0 | 55.723 | 55.617 | 55.617 | 0.0 | 0.116 | 0.084 |
| 10 | 7 | 0 | 62.247 | 63.767 | 63.767 | 0.0 | -1.520 | -1.069 |
| 6 | 7 | 0 | 27.495 | 28.631 | 28.631 | 0.0 | -1.136 | -0.619 |
| 0 | 8 | 0 | 313.676 | 325.713 | 325.713 | 0.0 | -12.037 | -2.118 * |
| 4 | 7 | 0 | 11.765 | 18.266 | 18.266 | 0.0 | -6.501 | -1.745 |
| 2 | 7 | 0 | 13.428 | 13.974 | 13.974 | 0.0 | -0.346 | -0.116 |
| 0 | 8 | 0 | 60.842 | 63.277 | 63.277 | 0.0 | -2.435 | -1.751 |
| 2 | 8 | 0 | 18.198 | 10.988 | -10.988 | 0.0 | 7.210 | 3.361 |
| 4 | 8 | 0 | 76.393 | 79.155 | -79.155 | 0.0 | 0.238 | 0.158 |
| 8 | 8 | 0 | 26.122 | 24.122 | 24.122 | 0.0 | 2.603 | 1.440 |
| 10 | 8 | 0 | 5.659 | 10.621 | 10.621 | 0.0 | -1.162 | -0.269 |
| 12 | 8 | 0 | 35.627 | 40.014 | -40.014 | 0.0 | -0.387 | -0.244 |
| 14 | 8 | 0 | 7.330 | 0.903 | 0.903 | 0.0 | 6.427 | 1.228 |
| 16 | 8 | 0 | 54.554 | 53.301 | 53.301 | 0.0 | 1.253 | 0.785 |
| 22 | 8 | 0 | 1.256 | 3.664 | -3.664 | 0.0 | -2.408 | -0.231 |
| 16 | 9 | 0 | 5.764 | 4.347 | 4.347 | 0.0 | 1.417 | 0.212 |
| 14 | 9 | 0 | 10.627 | 16.832 | 16.832 | 0.0 | -6.205 | -1.231 |
| 12 | 9 | 0 | 8.871 | 2.905 | 2.905 | 0.0 | 6.066 | 1.259 |
| 10 | 9 | 0 | 12.061 | 11.966 | -11.966 | 0.0 | 0.095 | 0.026 |
| 0 | 10 | 0 | 313.576 | 325.713 | 325.713 | 0.0 | -12.135 | -2.135 * |
| 6 | 9 | 0 | 27.747 | 28.410 | 28.410 | 0.0 | -0.663 | -0.350 |
| 4 | 9 | 0 | 8.597 | 3.973 | -3.973 | 0.0 | 4.613 | 1.084 |
| 2 | 10 | 0 | 11.213 | 3.501 | -3.501 | 0.0 | 8.412 | 2.598 |
| 0 | 10 | 0 | 52.452 | 53.665 | -53.665 | 0.0 | -1.213 | -0.906 |
| 4 | 10 | 0 | 17.222 | 10.126 | -10.126 | 0.0 | 7.096 | 2.925 |
| 6 | 10 | 0 | 12.830 | 0.090 | 0.090 | 0.0 | 12.740 | 3.934 * |

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| M | K | I | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 8 | 10 | 0 | 23.0P2 | 27.609 | -27.609 | 0.0 | -4.527 | -1.770 |
| 12 | 10 | 0 | 19.978 | 17.078 | 17.078 | 0.0 | 2.496 | 0.902 |
| 14 | 10 | 0 | 6.739 | 0.513 | -0.513 | 0.0 | 6.226 | 1.00R |
| 18 | 10 | 0 | 9.237 | 2.447 | 2.447 | 0.0 | 6.790 | 1.225 |
| 14 | 11 | 0 | 62.235 | 60.072 | -60.072 | 0.0 | 3.163 | 1.921 |
| 12 | 11 | 0 | 12.298 | 7.116 | -2.116 | 0.0 | 10.182 | 2.551 * |
| 10 | 11 | 0 | 12.623 | 12.017 | -12.017 | 0.0 | 0.606 | 0.143 |
| P | 11 | 0 | 10.390 | 0.141 | -0.141 | 0.0 | 10.250 | 2.208 * |
| A | 11 | 0 | 61.275 | 60.411 | -60.411 | 0.0 | 0.864 | 0.525 |
| 0 | 6 | 0 | 312.012 | 325.713 | 325.713 | 0.0 | -13.701 | -2.425 * |
| 4 | 11 | 0 | 15.211 | 6.157 | 6.157 | 0.0 | 9.053 | 2.972 |
| 2 | 11 | 0 | 48.489 | 47.564 | 47.564 | 0.0 | 0.925 | 0.592 |
| 0 | 12 | 0 | 70.439 | 67.850 | 67.850 | 0.0 | 1.089 | 0.636 |
| 2 | 12 | 0 | 7.566 | 3.261 | -3.261 | 0.0 | 4.705 | 0.825 |
| 4 | 12 | 0 | 5.025 | 6.880 | 6.880 | 0.0 | -1.855 | -0.254 |
| 6 | 12 | 0 | 8.623 | 2.644 | 2.644 | 0.0 | 6.179 | 1.139 |
| 9 | 12 | 0 | 13.643 | 16.296 | 16.296 | 0.0 | -2.653 | -0.592 |
| 12 | 12 | 0 | 22.475 | 22.925 | -22.925 | 0.0 | -0.450 | -0.143 |
| 8 | 13 | 0 | 13.421 | 0.485 | -0.485 | 0.0 | 12.936 | 3.006 * |
| 4 | 13 | 0 | 14.752 | 0.429 | 0.429 | 0.0 | 14.323 | 4.057 * |
| 2 | 13 | 0 | 25.703 | 23.871 | 23.871 | 0.0 | 1.832 | 0.695 |
| 6 | 13 | 1 | 14.456 | 4.198 | -4.198 | 0.0 | 10.258 | 2.742 * |
| 4 | 13 | 1 | 13.732 | 6.397 | 6.397 | 0.0 | 7.334 | 1.979 |
| 3 | 13 | 1 | 15.551 | 8.447 | -8.447 | 0.0 | 7.104 | 2.135 |
| 1 | 13 | 1 | 12.342 | 10.952 | 10.952 | 0.0 | 1.390 | 0.324 |
| 0 | 6 | 0 | 311.760 | 325.713 | 325.713 | 0.0 | -14.013 | -2.482 * |
| 0 | 12 | 1 | 10.789 | 6.786 | -6.786 | 0.0 | 4.003 | 0.841 |
| 3 | 12 | 1 | 7.922 | 5.935 | 5.935 | 0.0 | 1.987 | 0.354 |
| 4 | 12 | 1 | 5.202 | 7.970 | 7.970 | 0.0 | -2.768 | -0.401 |
| 5 | 12 | 1 | 7.670 | 13.875 | -13.875 | 0.0 | -6.205 | -0.978 |
| 8 | 12 | 1 | 6.998 | 3.215 | -3.215 | 0.0 | 5.283 | 0.976 |
| 9 | 12 | 1 | 5.616 | 3.020 | 3.020 | 0.0 | 2.596 | 0.358 |
| 10 | 12 | 1 | 14.249 | 2.728 | 2.728 | 0.0 | 11.522 | 3.233 * |
| 12 | 12 | 1 | 13.628 | 3.174 | 3.174 | 0.0 | 10.454 | 2.874 * |
| 15 | 11 | 1 | 13.658 | 12.602 | -12.602 | 0.0 | 1.056 | 0.246 |
| 13 | 11 | 1 | 20.003 | 13.887 | 13.887 | 0.0 | 6.116 | 2.199 |
| 12 | 11 | 1 | 7.641 | 1.798 | 1.798 | 0.0 | 5.843 | 1.001 |
| 11 | 11 | 1 | 16.411 | 15.535 | 15.535 | 0.0 | 1.377 | 0.394 |
| 10 | 11 | 1 | 15.137 | 11.141 | -11.141 | 0.0 | 3.995 | 1.054 |
| 0 | 6 | 0 | 310.860 | 325.713 | 325.713 | 0.0 | -14.853 | -2.644 * |
| 8 | 11 | 1 | 18.442 | 11.507 | 11.507 | 0.0 | 7.135 | 2.621 |
| 7 | 11 | 1 | 20.259 | 20.799 | -20.799 | 0.0 | -0.500 | -0.165 |
| 6 | 11 | 1 | 23.230 | 24.607 | 24.607 | 0.0 | -1.277 | -0.520 |
| 5 | 11 | 1 | 30.621 | 26.157 | 26.157 | 0.0 | 4.465 | 2.372 |
| 3 | 11 | 1 | 14.856 | 10.730 | 10.730 | 0.0 | 4.126 | 1.268 |
| 2 | 11 | 1 | 20.211 | 18.309 | -18.308 | 0.0 | 1.902 | 0.703 |
| 1 | 11 | 1 | 19.267 | 19.024 | -19.024 | 0.0 | 0.343 | 0.125 |
| 0 | 10 | 1 | 28.695 | 24.571 | 24.571 | 0.0 | 4.124 | 2.420 |
| 1 | 10 | 1 | 26.413 | 26.724 | -26.724 | 0.0 | -0.310 | -0.133 |
| 2 | 10 | 1 | 23.289 | 26.388 | 26.388 | 0.0 | -3.099 | -1.333 |
| 3 | 10 | 1 | 5.793 | 7.287 | 7.287 | 0.0 | -1.494 | -0.247 |
| 4 | 10 | 1 | 7.290 | 0.064 | -0.064 | 0.0 | 7.326 | 1.445 |
| 5 | 10 | 1 | 9.636 | 2.118 | -2.118 | 0.0 | 7.519 | 1.754 |

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| H | K | L | F (R/S) | F (A/C) | A (A/C) | B (A/C) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 6 | 10 | 1 | 6.032 | 16.876 | 16.876 | 0.0 | -6.044 | -1.445 |
| 7 | 10 | 1 | 16.483 | 17.064 | 17.064 | 0.0 | -0.581 | -0.198 |
| 8 | 10 | 1 | 15.639 | 12.097 | 12.097 | 0.0 | 3.542 | 1.151 |
| 9 | 10 | 1 | 6.724 | 9.309 | -9.399 | 0.0 | -2.674 | -0.452 |
| 10 | 10 | 1 | 10.627 | 1.183 | 1.183 | 0.0 | 9.444 | 2.249 |
| 11 | 10 | 1 | 10.956 | 12.692 | -12.692 | 0.0 | -1.735 | -0.371 |
| 0 | 4 | 0 | 312.286 | 325.713 | 325.713 | 0.0 | -13.427 | -2.375 |
| 12 | 10 | 1 | 13.510 | 13.387 | -13.387 | 0.0 | 0.123 | 0.031 |
| 14 | 10 | 1 | 16.630 | 15.078 | -15.078 | 0.0 | 1.552 | 0.445 |
| 15 | 10 | 1 | 13.865 | 4.615 | -4.615 | 0.0 | 9.250 | 2.434 |
| 17 | 10 | 1 | 5.187 | 0.240 | 0.240 | 0.0 | 4.947 | 0.694 |
| 18 | 10 | 1 | 12.066 | 11.325 | -11.325 | 0.0 | 0.721 | 0.154 |
| 20 | 9 | 1 | 11.455 | 6.254 | 6.254 | 0.0 | 5.200 | 1.079 |
| 19 | 9 | 1 | 17.270 | 18.231 | 18.231 | 0.0 | -0.961 | -0.235 |
| 18 | 9 | 1 | 17.178 | 16.930 | -16.930 | 0.0 | 2.347 | 0.687 |
| 17 | 9 | 1 | 18.000 | 21.099 | -21.099 | 0.0 | -3.010 | -0.895 |
| 16 | 9 | 1 | 7.739 | 15.294 | -15.294 | 0.0 | -7.564 | -1.210 |
| 15 | 9 | 1 | 8.203 | 0.660 | -0.660 | 0.0 | 7.542 | 1.413 |
| 14 | 9 | 1 | 8.321 | 11.400 | 11.400 | 0.0 | -3.070 | -0.530 |
| 12 | 9 | 1 | 47.213 | 49.861 | -49.861 | 0.0 | -2.548 | -1.630 |
| 11 | 9 | 1 | 57.121 | 59.200 | 59.200 | 0.0 | 1.921 | 1.207 |
| 10 | 9 | 1 | 49.159 | 49.986 | -49.986 | 0.0 | -0.827 | -0.529 |
| 9 | 9 | 1 | 60.408 | 60.032 | -60.032 | 0.0 | 0.376 | 0.254 |
| 8 | 9 | 1 | 32.765 | 34.795 | -34.795 | 0.0 | -1.030 | -0.584 |
| 0 | 6 | 0 | 110.353 | 325.713 | 325.713 | 0.0 | -15.360 | -2.736 |
| 7 | 9 | 1 | 11.400 | 18.798 | -18.798 | 0.0 | -7.290 | -1.770 |
| 6 | 9 | 1 | 22.667 | 22.989 | 22.989 | 0.0 | -0.322 | -0.150 |
| 5 | 9 | 1 | 29.465 | 27.528 | -27.528 | 0.0 | 1.937 | 1.127 |
| 4 | 9 | 1 | 11.810 | 4.624 | -4.624 | 0.0 | 7.185 | 2.150 |
| 3 | 9 | 1 | 31.011 | 31.806 | 31.806 | 0.0 | 0.105 | 0.064 |
| 2 | 9 | 1 | 42.040 | 42.531 | -42.531 | 0.0 | 0.410 | 0.287 |
| 1 | 9 | 1 | 33.650 | 35.293 | -35.293 | 0.0 | -1.603 | -0.940 |
| 0 | 8 | 0 | 17.533 | 19.321 | 19.321 | 0.0 | -0.788 | -0.313 |
| 1 | 8 | 1 | 5.719 | 7.590 | -7.590 | 0.0 | -1.871 | -0.353 |
| 2 | 8 | 1 | 63.564 | 66.417 | -66.417 | 0.0 | -2.853 | -2.094 |
| 3 | 8 | 1 | 90.686 | 92.461 | -92.461 | 0.0 | -1.775 | -1.104 |
| 4 | 8 | 1 | 69.003 | 69.349 | -69.349 | 0.0 | -0.345 | -0.250 |
| 5 | 8 | 1 | 55.091 | 53.809 | 53.809 | 0.0 | 1.282 | 0.944 |
| 6 | 8 | 1 | 13.066 | 9.098 | -9.098 | 0.0 | 3.159 | 1.027 |
| 7 | 8 | 1 | 37.815 | 36.735 | 36.735 | 0.0 | -0.920 | -0.607 |
| 8 | 8 | 1 | 54.495 | 54.172 | 54.172 | 0.0 | 0.323 | 0.235 |
| 9 | 8 | 1 | 40.370 | 38.159 | -38.159 | 0.0 | 2.211 | 1.519 |
| 10 | 8 | 1 | 13.576 | 13.882 | 13.882 | 0.0 | -10.306 | -1.367 |
| 11 | 8 | 1 | 22.212 | 24.591 | -24.591 | 0.0 | -2.279 | -0.944 |
| 12 | 8 | 1 | 31.318 | 30.002 | -30.002 | 0.0 | 1.316 | 0.779 |
| 0 | 6 | 0 | 210.529 | 325.713 | 325.713 | 0.0 | -15.185 | -2.704 |
| 13 | 8 | 1 | 41.350 | 40.150 | 40.150 | 0.0 | 1.200 | 0.816 |
| 14 | 8 | 1 | 9.163 | 0.486 | 0.486 | 0.0 | 5.677 | 0.990 |
| 15 | 8 | 1 | 37.441 | 37.566 | 37.566 | 0.0 | -2.125 | -1.166 |
| 16 | 8 | 1 | 31.229 | 31.807 | 31.807 | 0.0 | -0.578 | -0.296 |
| 17 | 8 | 1 | 30.458 | 26.335 | -26.335 | 0.0 | 4.123 | 2.061 |
| 18 | 8 | 1 | 23.881 | 19.713 | 19.713 | 0.0 | 4.168 | 1.666 |
| 20 | 8 | 1 | 19.086 | 10.066 | -10.066 | 0.0 | 9.020 | 3.332 |

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| H | K | L | F(PRS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 21 | R | 1 | 11.765 | 4.097 | -4.097 | 0.0 | 7.669 | 1.746 |
| 22 | R | 1 | 25.125 | 24.912 | 24.912 | 0.0 | 0.213 | 0.090 |
| 23 | 7 | 1 | 14.323 | 1.236 | -1.236 | 0.0 | 13.087 | 3.687 * |
| 22 | 7 | 1 | 3.245 | 9.740 | -9.740 | 0.0 | -1.124 | -0.281 |
| 21 | 7 | 1 | 5.512 | 5.900 | -5.900 | 0.0 | 0.011 | 0.002 |
| 19 | 7 | 1 | 0.676 | 18.415 | -18.415 | 0.0 | -8.439 | -1.555 |
| 19 | 7 | 1 | 11.632 | 7.951 | 7.951 | 0.0 | 3.681 | 0.896 |
| 17 | 7 | 1 | 9.651 | 6.656 | 6.656 | 0.0 | 2.995 | 0.541 |
| 14 | 7 | 1 | 17.077 | 16.902 | 16.902 | 0.0 | 1.074 | 0.405 |
| 15 | 7 | 1 | 3.724 | 4.950 | -4.950 | 0.0 | -1.226 | -0.170 |
| 0 | 6 | 0 | 311.563 | 325.713 | 325.713 | 0.0 | -14.150 | -2.516 * |
| 13 | 7 | 1 | 10.878 | 11.329 | 11.329 | 0.0 | -0.450 | -0.110 |
| 12 | 7 | 1 | 24.059 | 20.720 | -20.720 | 0.0 | 3.339 | 1.776 |
| 11 | 7 | 1 | 21.953 | 20.090 | -20.090 | 0.0 | 1.764 | 0.851 |
| 10 | 7 | 1 | 17.574 | 18.903 | 18.903 | 0.0 | 0.671 | 0.290 |
| 9 | 7 | 1 | 34.316 | 38.772 | 38.772 | 0.0 | -2.456 | -1.655 |
| 8 | 7 | 1 | 31.526 | 34.211 | 34.211 | 0.0 | -2.685 | -1.709 |
| 7 | 7 | 1 | 0.543 | 4.692 | -4.692 | 0.0 | 3.951 | 0.995 |
| 6 | 7 | 1 | 11.252 | 5.782 | -5.782 | 0.0 | 5.510 | 1.586 |
| 5 | 7 | 1 | 16.852 | 17.150 | 17.150 | 0.0 | -0.298 | -0.108 |
| 4 | 7 | 1 | 29.150 | 26.989 | 26.989 | 0.0 | 1.662 | 1.029 |
| 3 | 7 | 1 | 26.876 | 27.709 | -27.709 | 0.0 | -0.733 | -0.419 |
| 2 | 7 | 1 | 10.442 | 14.051 | 14.051 | 0.0 | -3.410 | -0.912 |
| 1 | 7 | 1 | 8.454 | 3.867 | 3.867 | 0.0 | 4.586 | 1.052 |
| 1 | 6 | 1 | 8.912 | 7.575 | 7.575 | 0.0 | 1.327 | 0.390 |
| 2 | 6 | 1 | 5.251 | 6.844 | 6.844 | 0.0 | -1.553 | -0.306 |
| 3 | 6 | 1 | 21.983 | 25.150 | 25.150 | 0.0 | -3.267 | -1.623 |
| 4 | 6 | 1 | 17.149 | 15.544 | -15.544 | 0.0 | 1.604 | 0.753 |
| 5 | 6 | 1 | 11.056 | 5.613 | -5.613 | 0.0 | 5.442 | 1.656 |
| 6 | 6 | 1 | 6.207 | 9.398 | 9.398 | 0.0 | -3.191 | -0.531 |
| 0 | 6 | 0 | 311.016 | 325.713 | 325.713 | 0.0 | -14.697 | -2.615 |
| 8 | 6 | 1 | 12.475 | 8.686 | -8.686 | 0.0 | 3.789 | 1.150 |
| 9 | 6 | 1 | 14.427 | 13.262 | 13.262 | 0.0 | 1.164 | 0.382 |
| 10 | 6 | 1 | 6.976 | 0.410 | 0.410 | 0.0 | 6.566 | 1.314 |
| 11 | 6 | 1 | 1.133 | 5.080 | 5.080 | 0.0 | -3.942 | -0.481 |
| 12 | 6 | 1 | 5.626 | 1.250 | -1.250 | 0.0 | 4.677 | 0.936 |
| 13 | 6 | 1 | 10.886 | 14.403 | -14.403 | 0.0 | -3.717 | -0.949 |
| 14 | 6 | 1 | 10.760 | 9.761 | -9.761 | 0.0 | 0.990 | 0.253 |
| 15 | 6 | 1 | 20.240 | 15.242 | -15.242 | 0.0 | 4.998 | 2.362 |
| 16 | 6 | 1 | 11.706 | 7.233 | -7.233 | 0.0 | 4.474 | 1.256 |
| 17 | 6 | 1 | 5.912 | 2.797 | 2.797 | 0.0 | 3.115 | 0.538 |
| 18 | 6 | 1 | 3.281 | 3.035 | 3.035 | 0.0 | 0.245 | 0.032 |
| 20 | 6 | 1 | 13.170 | 10.177 | 10.177 | 0.0 | 2.993 | 0.785 |
| 21 | 6 | 1 | 13.347 | 3.216 | -3.216 | 0.0 | 10.131 | 2.741 * |
| 24 | 6 | 1 | 13.695 | 4.704 | -4.704 | 0.0 | 8.792 | 2.244 |
| 25 | 5 | 1 | 8.572 | 11.263 | -11.263 | 0.0 | -2.691 | -0.627 |
| 0 | 6 | 0 | 312.110 | 325.713 | 325.713 | 0.0 | -13.603 | -2.408 * |
| 21 | 5 | 1 | 17.877 | 17.399 | 17.399 | 0.0 | 0.578 | 0.191 |
| 18 | 5 | 1 | 17.478 | 13.672 | -13.672 | 0.0 | -6.194 | -1.112 |
| 17 | 5 | 1 | 16.616 | 11.615 | -11.615 | 0.0 | 5.001 | 1.966 |
| 16 | 5 | 1 | 21.899 | 18.869 | 18.869 | 0.0 | 3.029 | 1.452 |
| 15 | 5 | 1 | 35.337 | 33.465 | -33.465 | 0.0 | 1.872 | 1.314 |
| 14 | 5 | 1 | 37.593 | 37.469 | 37.469 | 0.0 | 0.124 | 0.078 |

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| H | K | I | F(CALC) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 13 | 5 | 1 | 30.436 | 30.093 | 30.093 | 0.0 | 0.563 | 0.345 |
| 11 | 5 | 1 | 12.078 | 0.644 | 0.644 | 0.0 | 3.334 | 1.049 |
| 10 | 5 | 1 | 34.061 | 30.495 | -30.495 | 0.0 | 3.556 | 2.013 |
| 9 | 5 | 1 | 32.355 | 35.268 | -35.268 | 0.0 | -2.983 | -1.039 |
| 8 | 5 | 1 | 30.266 | 30.636 | 30.636 | 0.0 | -0.371 | -0.258 |
| 7 | 5 | 1 | 62.609 | 64.135 | -64.135 | 0.0 | -0.526 | -0.409 |
| 6 | 5 | 1 | 56.543 | 57.647 | -57.647 | 0.0 | -1.004 | -0.810 |
| 5 | 5 | 1 | 74.380 | 76.285 | -76.285 | 0.0 | -0.905 | -0.676 |
| 4 | 5 | 1 | 32.163 | 34.160 | -34.160 | 0.0 | -1.997 | -1.496 |
| 0 | 6 | 0 | 312.953 | 325.713 | 325.713 | 0.0 | -12.860 | -2.273 |
| 3 | 5 | 1 | 41.083 | 42.873 | -42.873 | 0.0 | -1.790 | -1.528 |
| 2 | 5 | 1 | 51.811 | 54.219 | -54.219 | 0.0 | -2.409 | -2.155 |
| 1 | 5 | 1 | 26.754 | 27.271 | -27.271 | 0.0 | -0.517 | -0.375 |
| 1 | 4 | 1 | 42.673 | 43.896 | -43.896 | 0.0 | -1.223 | -1.286 |
| 2 | 4 | 1 | 78.052 | 81.417 | -81.417 | 0.0 | -3.365 | -2.597 |
| 3 | 4 | 1 | 49.531 | 52.110 | -52.110 | 0.0 | -2.578 | -2.473 |
| 4 | 4 | 1 | 45.780 | 47.436 | -47.436 | 0.0 | -1.656 | -1.637 |
| 5 | 4 | 1 | 73.463 | 76.055 | -76.055 | 0.0 | -2.592 | -2.029 |
| 6 | 4 | 1 | 28.502 | 31.009 | -31.009 | 0.0 | -2.107 | -1.562 |
| 7 | 4 | 1 | 28.502 | 28.933 | -28.933 | 0.0 | -0.431 | -0.345 |
| 8 | 4 | 1 | 17.271 | 15.196 | -15.196 | 0.0 | 2.065 | 1.022 |
| 10 | 4 | 1 | 8.543 | 3.284 | -3.284 | 0.0 | 5.258 | 1.358 |
| 11 | 4 | 1 | 11.410 | 0.875 | 0.875 | 0.0 | 1.536 | 0.446 |
| 12 | 4 | 1 | 8.024 | 8.024 | 8.024 | 0.0 | -0.677 | -0.148 |
| 13 | 4 | 1 | 12.371 | 10.895 | -10.895 | 0.0 | 1.477 | 0.436 |
| 14 | 4 | 1 | 18.330 | 21.228 | -21.228 | 0.0 | -1.891 | -0.765 |
| 15 | 4 | 1 | 19.116 | 16.958 | -16.958 | 0.0 | 2.157 | 0.992 |
| 16 | 4 | 1 | 26.749 | 25.406 | -25.406 | 0.0 | 1.343 | 0.730 |
| 0 | 6 | 0 | 311.758 | 325.713 | 325.713 | 0.0 | -13.955 | -2.471 |
| 17 | 4 | 1 | 31.659 | 30.740 | 30.740 | 0.0 | 0.919 | 0.530 |
| 18 | 4 | 1 | 26.754 | 26.536 | -26.536 | 0.0 | 0.219 | 0.113 |
| 20 | 4 | 1 | 8.129 | 4.448 | -4.448 | 0.0 | 3.680 | 0.761 |
| 21 | 4 | 1 | 14.664 | 13.460 | -13.460 | 0.0 | 1.484 | 0.469 |
| 22 | 4 | 1 | 26.567 | 33.217 | -33.217 | 0.0 | -3.618 | -1.628 |
| 23 | 4 | 1 | 26.567 | 26.947 | -26.947 | 0.0 | -0.400 | -0.162 |
| 24 | 4 | 1 | 14.797 | 17.520 | -17.520 | 0.0 | -2.723 | -0.660 |
| 25 | 4 | 1 | 20.773 | 22.472 | -22.472 | 0.0 | -1.699 | -0.568 |
| 26 | 4 | 1 | 21.860 | 16.503 | -16.503 | 0.0 | 5.365 | 1.908 |
| 26 | 3 | 1 | 20.151 | 15.597 | -15.597 | 0.0 | 4.555 | 1.570 |
| 25 | 3 | 1 | 12.120 | 17.490 | -17.490 | 0.0 | -5.370 | -1.068 |
| 24 | 3 | 1 | 16.453 | 17.776 | 17.776 | 0.0 | -1.323 | -0.382 |
| 23 | 3 | 1 | 34.714 | 31.333 | -31.333 | 0.0 | 3.381 | 1.853 |
| 22 | 3 | 1 | 47.650 | 47.358 | -47.358 | 0.0 | 0.292 | 0.169 |
| 21 | 3 | 1 | 47.239 | 46.491 | -46.491 | 0.0 | 0.747 | 0.469 |
| 20 | 3 | 1 | 10.003 | 11.722 | -11.722 | 0.0 | -1.719 | -0.361 |
| 19 | 3 | 1 | 41.632 | 41.805 | -41.805 | 0.0 | -0.173 | -0.120 |
| 18 | 3 | 1 | 46.919 | 50.648 | -50.648 | 0.0 | -0.730 | -0.480 |
| 17 | 3 | 1 | 70.714 | 72.561 | -72.561 | 0.0 | -1.847 | -1.268 |
| 0 | 6 | 0 | 310.275 | 325.713 | 325.713 | 0.0 | -15.438 | -2.780 |
| 16 | 3 | 1 | 25.039 | 26.858 | -26.858 | 0.0 | -0.819 | -0.492 |
| 15 | 3 | 1 | 77.035 | 24.907 | -24.907 | 0.0 | 2.128 | 1.197 |
| 14 | 3 | 1 | 47.700 | 49.858 | -49.858 | 0.0 | -2.158 | -1.526 |
| 13 | 3 | 1 | 21.597 | 21.174 | 21.174 | 0.0 | 0.812 | 0.387 |

| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 12 | 3 | 1 | 120.002 | 130.539 | -130.539 | 0.0 | -0.637 | -0.299 |
| 11 | 3 | 1 | 196.117 | 192.505 | 192.505 | 0.0 | 3.612 | 1.121 |
| 10 | 3 | 1 | 167.313 | 165.792 | -165.792 | 0.0 | 1.521 | 0.559 |
| 9 | 3 | 1 | 164.466 | 162.690 | -162.690 | 0.0 | 1.776 | 0.666 |
| 8 | 3 | 1 | 70.429 | 70.628 | -70.628 | 0.0 | -0.200 | -0.156 |
| 7 | 2 | 1 | 87.868 | 85.173 | -85.173 | 0.0 | 2.695 | 1.854 |
| 6 | 3 | 1 | 148.546 | 147.001 | 147.001 | 0.0 | 1.545 | 0.651 |
| 5 | 3 | 1 | 163.600 | 162.379 | 162.379 | 0.0 | 1.220 | 0.467 |
| 4 | 3 | 1 | 54.423 | 52.458 | 52.458 | 0.0 | 2.365 | 2.331 |
| 3 | 3 | 1 | 80.147 | 95.304 | 85.305 | 0.0 | -5.157 | -3.931 |
| 2 | 3 | 1 | 142.047 | 151.574 | -151.574 | 0.0 | -9.528 | -4.236 |
| 1 | 3 | 1 | 171.730 | 186.516 | -186.516 | 0.0 | -15.185 | -5.525 * |
| 0 | 2 | 1 | 41.320 | 43.875 | 43.875 | 0.0 | -2.555 | -2.866 |
| 2 | 2 | 1 | 136.448 | 141.225 | -141.225 | 0.0 | -4.577 | -2.118 |
| 3 | 2 | 1 | 158.159 | 160.278 | -160.278 | 0.0 | -2.119 | -0.846 |
| 0 | 6 | 0 | 312.071 | 325.713 | 325.713 | 0.0 | -13.642 | -2.415 * |
| 4 | 2 | 1 | 131.055 | 131.116 | -131.116 | 0.0 | -0.061 | -0.029 |
| 5 | 2 | 1 | 130.877 | 132.265 | 133.265 | 0.0 | -2.288 | -1.104 |
| 6 | 2 | 1 | 11.462 | 13.785 | -13.785 | 0.0 | -2.123 | -1.197 |
| 7 | 2 | 1 | 98.488 | 98.806 | 98.806 | 0.0 | 0.652 | 0.426 |
| 8 | 2 | 1 | 93.089 | 92.891 | 92.891 | 0.0 | 0.208 | 0.135 |
| 9 | 2 | 1 | 68.443 | 65.872 | -65.872 | 0.0 | 2.771 | 2.226 |
| 10 | 2 | 1 | 19.663 | 21.400 | 21.400 | 0.0 | -1.737 | -0.896 |
| 11 | 2 | 1 | 47.760 | 48.605 | -48.605 | 0.0 | -0.846 | -0.702 |
| 12 | 2 | 1 | 51.602 | 53.765 | -53.765 | 0.0 | -2.363 | -1.865 |
| 13 | 2 | 1 | 55.688 | 56.633 | -56.633 | 0.0 | -0.944 | -0.736 |
| 14 | 2 | 1 | 48.906 | 47.569 | 47.569 | 0.0 | 1.337 | 0.937 |
| 15 | 2 | 1 | 52.114 | 52.810 | -52.810 | 0.0 | -0.656 | -0.689 |
| 16 | 2 | 1 | 56.509 | 53.283 | -53.283 | 0.0 | 3.226 | 2.573 |
| 17 | 2 | 1 | 35.530 | 33.146 | 33.146 | 0.0 | 2.384 | 1.575 |
| 18 | 2 | 1 | 3.878 | 3.162 | -3.162 | 0.0 | -4.334 | -0.633 |
| 20 | 2 | 1 | 10.405 | 12.144 | -12.144 | 0.0 | -1.738 | -0.416 |
| 21 | 2 | 1 | 15.713 | 6.993 | -6.993 | 0.0 | 8.760 | 2.976 |
| 22 | 2 | 1 | 37.048 | 40.842 | -40.842 | 0.0 | -2.893 | -1.547 |
| 23 | 2 | 1 | 46.391 | 46.354 | 46.354 | 0.0 | -0.052 | -0.035 |
| 0 | 6 | 0 | 313.706 | 325.713 | 325.713 | 0.0 | -12.507 | -2.202 * |
| 24 | 2 | 1 | 31.229 | 32.297 | -32.297 | 0.0 | -1.068 | -0.518 |
| 25 | 2 | 1 | 37.444 | 36.792 | -36.792 | 0.0 | 0.653 | 0.343 |
| 26 | 2 | 1 | 23.260 | 22.679 | 22.679 | 0.0 | 0.580 | 0.217 |
| 27 | 1 | 1 | 13.229 | 1.952 | -1.952 | 0.0 | 11.277 | 2.804 * |
| 26 | 1 | 1 | 10.496 | 7.877 | -7.877 | 0.0 | 3.120 | 0.662 |
| 25 | 1 | 1 | 14.500 | 6.148 | -6.148 | 0.0 | 8.757 | 2.415 |
| 24 | 1 | 1 | 14.856 | 5.368 | -5.368 | 0.0 | 9.488 | 2.890 |
| 21 | 1 | 1 | 5.246 | 9.454 | 9.454 | 0.0 | -4.208 | -0.634 |
| 20 | 1 | 1 | 9.292 | -1.460 | -1.460 | 0.0 | 7.822 | 1.083 |
| 19 | 1 | 1 | 14.787 | 5.362 | -5.362 | 0.0 | 9.435 | 3.709 |
| 17 | 1 | 1 | 8.232 | 2.665 | -2.665 | 0.0 | 5.567 | 1.331 |
| 16 | 1 | 1 | 25.851 | 31.758 | 31.758 | 0.0 | -5.907 | -2.977 |
| 15 | 1 | 1 | 24.225 | 28.379 | -28.379 | 0.0 | -4.054 | -1.850 |
| 14 | 1 | 1 | 33.112 | 31.672 | 31.672 | 0.0 | 1.440 | 0.952 |
| 13 | 1 | 1 | 28.787 | 30.350 | 30.350 | 0.0 | -1.804 | -1.059 |
| 12 | 1 | 1 | 18.243 | 17.870 | 17.870 | 0.0 | 0.373 | 0.177 |
| 0 | 6 | 0 | 312.714 | 325.713 | 325.713 | 0.0 | -12.997 | -2.298 * |

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| H | K | L | F(CALC) | F(CALC) | F(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 11 | 1 | 1 | 17.494 | 12.519 | -12.519 | 0.0 | 7.035 | 2.900 |
| 10 | 1 | 1 | 10.272 | 15.637 | -15.637 | 0.0 | -5.365 | -1.890 |
| 9 | 1 | 1 | 3.828 | 0.241 | 0.241 | 0.0 | 3.586 | 0.740 |
| 8 | 1 | 1 | 48.057 | 47.391 | 47.391 | 0.0 | 0.167 | 0.167 |
| 7 | 1 | 1 | 54.650 | 54.638 | -54.638 | 0.0 | -0.188 | -0.186 |
| 6 | 1 | 1 | 51.110 | 50.925 | 50.925 | 0.0 | 0.185 | 0.191 |
| 5 | 1 | 1 | 83.945 | 83.306 | 83.306 | 0.0 | 0.039 | 0.029 |
| 4 | 1 | 1 | 61.359 | 60.370 | 60.370 | 0.0 | 0.989 | 0.923 |
| 3 | 1 | 1 | 36.660 | 33.677 | -33.677 | 0.0 | 0.983 | 1.119 |
| 2 | 1 | 1 | 20.019 | 19.392 | -19.392 | 0.0 | 0.625 | 0.405 |
| 1 | 0 | 2 | 31.822 | 32.410 | 32.410 | 0.0 | -0.588 | -0.530 |
| 1 | 0 | 2 | 102.189 | 102.562 | 102.562 | 0.0 | -0.373 | -0.231 |
| 2 | 0 | 2 | 158.159 | 156.229 | -156.229 | 0.0 | 1.930 | 0.765 |
| 3 | 0 | 2 | 212.738 | 218.781 | 218.781 | 0.0 | -6.043 | -1.723 |
| 4 | 0 | 2 | 80.398 | 79.907 | -79.907 | 0.0 | 0.482 | 0.367 |
| 5 | 0 | 2 | 235.747 | 230.216 | -230.216 | 0.0 | 3.531 | 0.902 |
| 6 | 0 | 2 | 186.955 | 184.470 | -184.470 | 0.0 | 4.485 | 1.456 |
| 7 | 0 | 2 | 65.273 | 70.583 | 70.583 | 0.0 | -1.309 | -1.339 |
| 8 | 0 | 2 | 311.211 | 325.713 | 325.713 | 0.0 | -14.502 | -2.980 |
| 9 | 0 | 2 | 148.857 | 164.528 | 164.528 | 0.0 | 4.429 | 1.615 |
| 10 | 0 | 2 | 13.022 | 4.042 | -4.042 | 0.0 | 8.980 | 3.337 |
| 11 | 0 | 2 | 173.472 | 173.346 | 173.346 | 0.0 | 1.126 | 0.397 |
| 12 | 0 | 2 | 37.291 | 38.135 | -38.135 | 0.0 | -0.854 | -0.606 |
| 13 | 0 | 2 | 74.891 | 75.795 | -75.795 | 0.0 | -0.904 | -0.639 |
| 14 | 0 | 2 | 65.395 | 4.139 | -4.139 | 0.0 | 4.355 | 0.976 |
| 15 | 0 | 2 | 72.451 | 73.443 | -73.443 | 0.0 | -0.791 | -0.554 |
| 16 | 0 | 2 | 23.053 | 33.435 | 33.435 | 0.0 | -0.382 | -0.236 |
| 17 | 0 | 2 | 82.250 | 84.565 | 84.565 | 0.0 | -2.306 | -1.469 |
| 18 | 0 | 2 | 39.670 | 37.847 | 37.847 | 0.0 | 1.022 | 0.710 |
| 19 | 0 | 2 | 32.267 | 33.300 | 33.300 | 0.0 | -1.034 | -0.576 |
| 20 | 0 | 2 | 9.429 | 9.888 | -9.888 | 0.0 | -0.458 | -0.103 |
| 21 | 0 | 2 | 19.012 | 17.482 | -17.482 | 0.0 | 1.530 | 0.530 |
| 22 | 0 | 2 | 69.273 | 70.972 | 70.972 | 0.0 | -1.699 | -1.089 |
| 23 | 0 | 2 | 76.170 | 78.628 | -78.628 | 0.0 | -3.457 | -2.915 |
| 24 | 0 | 2 | 10.479 | 20.758 | 20.758 | 0.0 | -10.279 | -1.864 |
| 25 | 0 | 2 | 36.301 | 40.102 | 40.102 | 0.0 | -3.800 | -1.674 |
| 26 | 0 | 2 | 57.089 | 21.462 | 21.462 | 0.0 | -12.373 | -1.902 |
| 26 | 1 | 2 | 10.464 | 0.652 | 0.652 | 0.0 | 9.813 | 2.183 |
| 25 | 1 | 2 | 14.204 | 10.304 | 10.304 | 0.0 | 3.900 | 1.093 |
| 0 | 6 | 0 | 312.716 | 325.713 | 325.713 | 0.0 | -12.997 | -2.298 |
| 24 | 1 | 2 | 19.515 | 19.038 | 19.038 | 0.0 | 0.477 | 0.145 |
| 23 | 1 | 2 | 28.635 | 32.873 | 32.873 | 0.0 | -5.238 | -2.117 |
| 22 | 1 | 2 | 15.683 | 14.934 | 14.934 | 0.0 | 0.765 | 0.213 |
| 21 | 1 | 2 | 4.049 | 14.239 | -14.239 | 0.0 | -10.190 | -1.331 |
| 20 | 1 | 2 | 9.418 | 11.211 | 11.211 | 0.0 | -1.663 | -0.366 |
| 19 | 1 | 2 | 16.838 | 17.813 | -17.813 | 0.0 | -0.975 | -0.373 |
| 18 | 1 | 2 | 10.685 | 10.497 | -10.497 | 0.0 | 0.189 | 0.051 |
| 17 | 1 | 2 | 57.608 | 58.105 | 58.105 | 0.0 | -0.297 | -0.216 |
| 16 | 1 | 2 | 53.093 | 54.604 | -54.604 | 0.0 | -1.511 | -1.126 |
| 15 | 1 | 2 | 10.442 | 3.850 | 3.850 | 0.0 | 6.792 | 2.033 |
| 14 | 1 | 2 | 5.306 | 3.650 | 3.650 | 0.0 | 1.755 | 0.287 |
| 13 | 1 | 2 | 6.385 | 9.099 | 9.099 | 0.0 | -3.614 | -0.589 |
| 12 | 1 | 2 | 110.287 | 108.332 | -108.332 | 0.0 | 1.954 | 1.061 |

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| H | K | L | F(MRS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DFLT/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|------------|
| 11 | 1 | 2 | 195.695 | 107.857 | -107.857 | 0.0 | -1.862 | -1.069 |
| 10 | 1 | 2 | 36.262 | 35.439 | -35.439 | 0.0 | 0.823 | 0.582 |
| 9 | 1 | 2 | 91.309 | 81.553 | -81.553 | 0.0 | -0.255 | -0.174 |
| 8 | 1 | 2 | 55.459 | 57.800 | -57.800 | 0.0 | -2.231 | -1.917 |
| 7 | 1 | 2 | 45.721 | 42.972 | -42.972 | 0.0 | 2.749 | 2.678 |
| 6 | 1 | 2 | 22.771 | 23.027 | -23.027 | 0.0 | -0.256 | -0.201 |
| 5 | 1 | 2 | 100.373 | 97.441 | -97.441 | 0.0 | 2.932 | 1.814 |
| 0 | 6 | 0 | 311.914 | 325.713 | 325.713 | 0.0 | -13.799 | -2.443 |
| 4 | 1 | 2 | 50.648 | 45.862 | -45.862 | 0.0 | 4.786 | 4.868 |
| 3 | 1 | 2 | 50.202 | 50.782 | -50.782 | 0.0 | -0.580 | -0.609 |
| 2 | 1 | 2 | 28.913 | 29.436 | -29.436 | 0.0 | -0.523 | -0.667 |
| 1 | 1 | 2 | 58.425 | 60.291 | -60.291 | 0.0 | -1.855 | -1.800 |
| 0 | 2 | 2 | 11.898 | 11.928 | -11.928 | 0.0 | -0.029 | -0.015 |
| 1 | 2 | 2 | 32.563 | 35.856 | -35.856 | 0.0 | -3.293 | -3.493 |
| 2 | 2 | 2 | 12.741 | 7.433 | -7.433 | 0.0 | 5.309 | 3.264 |
| 3 | 2 | 2 | 66.739 | 65.377 | -65.377 | 0.0 | 1.362 | 1.196 |
| 4 | 2 | 2 | 8.350 | 8.204 | -8.204 | 0.0 | 0.146 | 0.054 |
| 5 | 2 | 2 | 26.881 | 26.772 | -26.772 | 0.0 | 0.109 | 0.162 |
| 5 | 2 | 2 | 62.551 | 60.056 | -60.056 | 0.0 | 2.495 | 2.512 |
| 7 | 2 | 2 | 52.599 | 50.210 | -50.210 | 0.0 | 2.380 | 1.552 |
| 8 | 2 | 2 | 25.406 | 23.111 | -23.111 | 0.0 | 2.295 | 1.550 |
| 9 | 2 | 2 | 74.771 | 73.157 | -73.157 | 0.0 | 1.614 | 1.236 |
| 10 | 2 | 2 | 32.919 | 32.820 | -32.820 | 0.0 | 0.100 | 0.070 |
| 11 | 2 | 2 | 18.169 | 18.191 | -18.191 | 0.0 | -0.022 | -0.009 |
| 12 | 2 | 2 | 17.622 | 15.539 | -15.539 | 0.0 | 2.082 | 3.864 |
| 13 | 2 | 2 | 33.082 | 29.405 | -29.405 | 0.0 | 3.677 | 2.361 |
| 14 | 2 | 2 | 14.501 | 13.266 | -13.266 | 0.0 | 1.235 | 0.403 |
| 15 | 2 | 2 | 26.117 | 26.684 | -26.684 | 0.0 | -0.567 | -0.314 |
| 0 | 6 | 0 | 310.518 | 325.713 | 325.713 | 0.0 | -14.795 | -2.638 |
| 17 | 2 | 2 | 16.963 | 16.057 | -16.057 | 0.0 | 2.911 | 1.338 |
| 18 | 2 | 2 | 38.039 | 38.825 | -38.825 | 0.0 | -0.787 | -0.510 |
| 19 | 2 | 2 | 34.684 | 35.231 | -35.231 | 0.0 | -0.546 | -0.320 |
| 20 | 2 | 2 | 10.331 | 6.376 | -6.376 | 0.0 | 3.955 | 0.932 |
| 21 | 2 | 2 | 14.238 | 21.098 | -21.098 | 0.0 | -6.760 | -1.650 |
| 22 | 2 | 2 | 21.543 | 21.708 | -21.708 | 0.0 | -0.166 | -0.060 |
| 23 | 2 | 2 | 14.767 | 3.671 | -3.671 | 0.0 | 11.096 | 3.365 |
| 24 | 2 | 2 | 12.524 | 8.798 | -8.798 | 0.0 | 3.726 | 3.842 |
| 26 | 3 | 2 | 14.471 | 0.530 | -0.530 | 0.0 | 13.941 | 3.801 |
| 23 | 3 | 2 | 9.459 | 3.033 | -3.033 | 0.0 | 6.426 | 1.317 |
| 22 | 3 | 2 | 9.385 | 4.352 | -4.352 | 0.0 | 5.033 | 1.007 |
| 21 | 3 | 2 | 6.784 | 1.985 | -1.985 | 0.0 | 4.799 | 0.786 |
| 20 | 3 | 2 | 4.227 | 2.872 | -2.872 | 0.0 | 1.354 | 0.193 |
| 19 | 3 | 2 | 3.103 | 0.055 | -0.055 | 0.0 | -5.951 | -0.747 |
| 0 | 6 | 0 | 311.719 | 325.713 | 325.713 | 0.0 | -13.994 | -2.479 |
| 16 | 3 | 2 | 4.182 | 7.061 | -7.061 | 0.0 | -2.878 | -0.442 |
| 15 | 3 | 2 | 19.308 | 17.423 | -17.423 | 0.0 | 1.885 | 0.591 |
| 13 | 3 | 2 | 5.838 | 6.246 | -6.246 | 0.0 | -0.408 | -0.072 |
| 9 | 3 | 2 | 17.000 | 17.552 | -17.552 | 0.0 | -0.552 | -0.236 |
| 4 | 3 | 2 | 19.317 | 16.760 | -16.760 | 0.0 | 1.556 | 0.716 |
| 7 | 3 | 2 | 11.199 | 7.370 | -7.370 | 0.0 | 3.819 | 1.359 |
| 5 | 3 | 2 | 17.178 | 15.915 | -15.915 | 0.0 | 1.262 | 0.700 |
| 4 | 3 | 2 | 45.364 | 42.956 | -42.956 | 0.0 | 2.407 | 2.217 |
| 3 | 3 | 2 | 38.023 | 39.826 | -39.826 | 0.0 | -1.803 | -1.641 |

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| H | K | I | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 1 | 2 | 2 | 3.251 | 5.014 | 5.014 | 0.0 | -1.762 | -0.379 |
| 1 | 4 | 2 | 31.778 | 32.476 | 32.476 | 0.0 | -0.698 | -0.581 |
| 2 | 4 | 2 | 69.378 | 69.262 | 69.262 | 0.0 | 0.116 | 0.093 |
| 0 | 6 | 0 | 311.025 | 325.713 | 325.713 | 0.0 | -14.677 | -2.611 * |
| 3 | 4 | 2 | 37.682 | 37.858 | -37.858 | 0.0 | -0.177 | -0.157 |
| 4 | 4 | 2 | 4.921 | 10.719 | 10.719 | 0.0 | -5.798 | -1.192 |
| 5 | 4 | 2 | 10.109 | 6.279 | -6.279 | 0.0 | 3.830 | 1.228 |
| 6 | 4 | 2 | 28.097 | 28.213 | 28.213 | 0.0 | -0.126 | -0.091 |
| 7 | 4 | 2 | 32.726 | 33.952 | -33.952 | 0.0 | -1.226 | -0.826 |
| 8 | 4 | 2 | 11.100 | 1.684 | 1.684 | 0.0 | 9.416 | 2.990 |
| 10 | 4 | 2 | 14.323 | 17.398 | -17.398 | 0.0 | -3.075 | -0.995 |
| 11 | 4 | 2 | 12.510 | 12.250 | 12.250 | 0.0 | 1.260 | 0.384 |
| 14 | 4 | 2 | 15.107 | 18.250 | -18.250 | 0.0 | -3.142 | -1.076 |
| 17 | 4 | 2 | 6.468 | 14.783 | -14.783 | 0.0 | -8.315 | -1.379 |
| 18 | 4 | 2 | 15.699 | 14.955 | -14.955 | 0.0 | 0.744 | 0.236 |
| 19 | 4 | 2 | 9.326 | 6.345 | 6.345 | 0.0 | 2.981 | 0.670 |
| 22 | 4 | 2 | 21.232 | 14.756 | -14.756 | 0.0 | 6.475 | 2.574 |
| 0 | 6 | 0 | 310.743 | 325.713 | 325.713 | 0.0 | -14.970 | -2.665 * |
| 24 | 4 | 2 | 1.936 | 2.516 | -2.516 | 0.0 | -0.580 | -0.061 |
| 25 | 4 | 2 | 16.261 | 10.805 | -10.805 | 0.0 | 5.456 | 1.662 |
| 24 | 5 | 2 | 9.790 | 0.548 | -0.548 | 0.0 | 9.251 | 1.937 |
| 23 | 5 | 2 | 15.841 | 23.725 | -23.725 | 0.0 | -3.884 | -1.136 |
| 22 | 5 | 2 | 15.211 | 16.782 | -16.782 | 0.0 | -1.571 | -0.430 |
| 21 | 5 | 2 | 19.042 | 21.048 | 21.048 | 0.0 | -2.006 | -0.631 |
| 20 | 5 | 2 | 5.572 | 9.178 | -9.178 | 0.0 | -3.606 | -0.526 |
| 19 | 5 | 2 | 27.910 | 24.207 | 24.207 | 0.0 | 3.703 | 1.953 |
| 18 | 5 | 2 | 12.969 | 0.952 | 0.952 | 0.0 | 2.337 | 0.807 |
| 17 | 5 | 2 | 44.025 | 45.831 | -45.831 | 0.0 | -1.805 | -1.124 |
| 16 | 5 | 2 | 23.778 | 22.331 | 22.331 | 0.0 | 1.467 | 0.643 |
| 15 | 5 | 2 | 26.191 | 30.631 | -30.631 | 0.0 | -4.440 | -2.157 |
| 14 | 5 | 2 | 7.411 | 7.489 | -7.489 | 0.0 | 0.122 | 0.025 |
| 13 | 5 | 2 | 25.865 | 25.890 | 25.890 | 0.0 | 0.175 | 0.090 |
| 12 | 5 | 2 | 66.694 | 68.371 | 68.371 | 0.0 | -1.676 | -1.190 |
| 11 | 5 | 2 | 87.020 | 87.132 | 87.132 | 0.0 | -0.111 | -0.071 |
| 10 | 5 | 2 | 39.464 | 40.353 | 40.353 | 0.0 | -0.889 | -0.605 |
| 9 | 5 | 2 | 120.407 | 119.628 | -119.628 | 0.0 | 0.779 | 0.391 |
| 8 | 5 | 2 | 78.864 | 78.352 | 78.352 | 0.0 | 0.543 | 0.368 |
| 0 | 6 | 0 | 310.696 | 325.713 | 325.713 | 0.0 | -15.107 | -2.690 * |
| 7 | 5 | 2 | 45.676 | 47.790 | -47.790 | 0.0 | -2.114 | -1.528 |
| 6 | 5 | 2 | 26.473 | 25.875 | -25.875 | 0.0 | 0.598 | 0.348 |
| 5 | 5 | 2 | 69.228 | 68.733 | 68.733 | 0.0 | 0.496 | 0.371 |
| 4 | 5 | 2 | 13.052 | 17.822 | 17.822 | 0.0 | -4.770 | -1.566 |
| 3 | 5 | 2 | 111.095 | 113.814 | 113.814 | 0.0 | -2.729 | -1.493 |
| 2 | 5 | 2 | 25.554 | 27.506 | 27.506 | 0.0 | -1.952 | -1.136 |
| 1 | 5 | 2 | 58.435 | 61.597 | -61.597 | 0.0 | -3.162 | -2.490 |
| 0 | 6 | 2 | 15.403 | 13.378 | 13.378 | 0.0 | 2.025 | 0.765 |
| 1 | 6 | 2 | 18.557 | 21.612 | 21.612 | 0.0 | -2.955 | -1.203 |
| 2 | 6 | 2 | 112.545 | 118.039 | -118.039 | 0.0 | -5.495 | -2.930 |
| 3 | 4 | 2 | 131.648 | 137.875 | 137.875 | 0.0 | -6.228 | -2.873 |
| 4 | 6 | 2 | 42.052 | 41.981 | -41.981 | 0.0 | 0.112 | 0.085 |
| 5 | 6 | 2 | 97.325 | 97.935 | -97.935 | 0.0 | -0.609 | -0.364 |
| 6 | 6 | 2 | 11.484 | 2.488 | -2.488 | 0.0 | 8.996 | 2.535 |
| 7 | 6 | 2 | 83.120 | 84.839 | -84.839 | 0.0 | -1.719 | -1.127 |

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| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 8 | 6 | 2 | 31.260 | 32.042 | 32.042 | 0.0 | -0.694 | -0.404 |
| 9 | 6 | 2 | 102.066 | 102.087 | 102.087 | 0.0 | -0.920 | -0.524 |
| 10 | 6 | 2 | 25.554 | 25.023 | 25.023 | 0.0 | 0.932 | 0.499 |
| 11 | 6 | 2 | 71.375 | 69.591 | 69.591 | 0.0 | 1.784 | 1.225 |
| 12 | 6 | 2 | 12.682 | 17.880 | -17.880 | 0.0 | -5.198 | -1.420 |
| 0 | 6 | 0 | 305.671 | 325.713 | 325.713 | 0.0 | -16.042 | -2.871 * |
| 13 | 6 | 2 | 36.272 | 33.285 | -33.285 | 0.0 | 2.987 | 1.830 |
| 14 | 6 | 2 | 4.847 | 11.734 | 11.734 | 0.0 | -6.886 | -1.081 |
| 15 | 6 | 2 | 42.866 | 42.707 | -42.707 | 0.0 | 0.158 | 0.107 |
| 16 | 6 | 2 | 19.012 | 21.295 | 21.295 | 0.0 | -2.283 | -0.771 |
| 17 | 6 | 2 | 36.643 | 38.420 | 38.420 | 0.0 | -1.777 | -0.921 |
| 18 | 6 | 2 | 16.764 | 13.365 | 13.365 | 0.0 | 3.398 | 1.089 |
| 19 | 6 | 2 | 21.646 | 24.705 | 24.705 | 0.0 | -3.059 | -1.003 |
| 21 | 6 | 2 | 16.911 | 14.926 | -14.926 | 0.0 | 1.985 | 0.633 |
| 22 | 6 | 2 | 38.910 | 40.652 | 40.652 | 0.0 | -1.842 | -0.868 |
| 23 | 6 | 2 | 46.614 | 44.685 | -44.685 | 0.0 | 1.929 | 1.089 |
| 22 | 7 | 2 | 11.351 | 5.756 | 5.756 | 0.0 | 5.596 | 1.147 |
| 20 | 7 | 2 | 10.287 | 0.720 | 0.720 | 0.0 | 9.567 | 2.029 |
| 18 | 7 | 2 | 19.071 | 2.692 | -2.692 | 0.0 | 16.379 | 1.654 * |
| 17 | 7 | 2 | 4.301 | 7.607 | 7.607 | 0.0 | -3.306 | -0.448 |
| 16 | 7 | 2 | 13.628 | 17.481 | -17.481 | 0.0 | -3.853 | -1.010 |
| 14 | 7 | 2 | 7.227 | 6.876 | -6.876 | 0.0 | 0.380 | 0.073 |
| 0 | 6 | 0 | 311.231 | 325.713 | 325.713 | 0.0 | -14.402 | -2.576 * |
| 13 | 7 | 2 | 19.116 | 21.151 | 21.151 | 0.0 | -2.035 | -0.759 |
| 12 | 7 | 2 | 40.280 | 38.403 | -38.403 | 0.0 | 1.878 | 1.172 |
| 11 | 7 | 2 | 14.087 | 15.959 | -15.959 | 0.0 | -1.772 | -0.555 |
| 10 | 7 | 2 | 12.948 | 8.240 | -8.240 | 0.0 | 4.708 | 1.454 |
| 8 | 7 | 2 | 16.793 | 15.845 | -15.845 | 0.0 | 0.948 | 0.356 |
| 8 | 7 | 2 | 43.594 | 42.690 | -42.690 | 0.0 | -0.094 | -0.074 |
| 7 | 7 | 2 | 27.110 | 27.892 | -27.892 | 0.0 | -0.782 | -0.410 |
| 6 | 7 | 2 | 4.689 | 5.972 | -5.972 | 0.0 | -0.977 | -0.174 |
| 5 | 7 | 2 | 16.971 | 17.372 | 17.372 | 0.0 | -0.402 | -0.160 |
| 4 | 7 | 2 | 30.858 | 32.467 | -32.467 | 0.0 | -1.609 | -0.944 |
| 3 | 7 | 2 | 17.932 | 20.173 | -20.173 | 0.0 | -2.241 | -0.876 |
| 2 | 7 | 2 | 10.376 | 5.953 | -5.953 | 0.0 | 4.423 | 1.206 |
| 1 | 7 | 2 | 3.177 | 5.440 | -5.440 | 0.0 | -2.262 | -0.311 |
| 0 | 8 | 2 | 14.501 | 13.777 | 13.777 | 0.0 | -0.724 | -0.251 |
| 1 | 8 | 2 | 42.010 | 43.387 | 43.387 | 0.0 | -0.677 | -0.347 |
| 2 | 8 | 2 | 17.607 | 16.624 | 16.624 | 0.0 | 0.983 | 0.398 |
| 3 | 8 | 2 | 26.779 | 26.394 | 26.394 | 0.0 | 0.404 | 0.233 |
| 4 | 8 | 2 | 9.696 | 9.915 | -9.915 | 0.0 | -0.220 | -0.054 |
| 5 | 8 | 2 | 30.755 | 29.316 | -29.316 | 0.0 | 1.438 | 0.859 |
| 6 | 8 | 2 | 14.559 | 14.980 | 14.980 | 0.0 | -0.020 | -0.007 |
| 0 | 6 | 0 | 311.872 | 325.713 | 325.713 | 0.0 | -13.740 | -2.433 * |
| 7 | 8 | 2 | 40.889 | 42.245 | -42.245 | 0.0 | -2.356 | -1.458 |
| 8 | 8 | 2 | 16.985 | 16.953 | -16.953 | 0.0 | 0.033 | 0.012 |
| 9 | 8 | 2 | 25.880 | 27.806 | 27.806 | 0.0 | 2.074 | 1.111 |
| 10 | 8 | 2 | 14.486 | 2.091 | -2.091 | 0.0 | 12.395 | 4.506 * |
| 11 | 8 | 2 | 25.732 | 29.700 | 29.700 | 0.0 | -0.032 | -0.017 |
| 12 | 8 | 2 | 12.559 | 7.727 | -7.727 | 0.0 | 4.822 | 1.279 |
| 13 | 8 | 2 | 27.717 | 26.818 | -26.818 | 0.0 | 0.899 | 0.433 |
| 14 | 8 | 2 | 14.915 | 8.529 | -8.529 | 0.0 | 6.386 | 1.919 |
| 15 | 8 | 2 | 14.619 | 15.945 | -15.945 | 0.0 | -1.326 | -0.360 |

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| H | K | I | F(CORS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 14 | 8 | 2 | 9.431 | 1.055 | 1.055 | 0.0 | 7.577 | 1.408 |
| 17 | 8 | 2 | 12.440 | 8.763 | 8.763 | 0.0 | 3.697 | 0.612 |
| 18 | 8 | 2 | 11.573 | 12.684 | -12.684 | 0.0 | -1.111 | -0.229 |
| 19 | 8 | 2 | 13.939 | 17.158 | -17.158 | 0.0 | -3.220 | -0.743 |
| 20 | 8 | 2 | 11.691 | 10.734 | -10.734 | 0.0 | 0.958 | 0.211 |
| 21 | 8 | 2 | 10.523 | 11.867 | -11.867 | 0.0 | -1.284 | -0.247 |
| 19 | 9 | 2 | 3.089 | 10.457 | -10.457 | 0.0 | -7.368 | -0.811 |
| 17 | 9 | 2 | 16.335 | 10.946 | 10.946 | 0.0 | 5.388 | 1.591 |
| 14 | 9 | 2 | 13.377 | 9.806 | -9.806 | 0.0 | 3.571 | 0.940 |
| 15 | 9 | 2 | 10.923 | 6.766 | -6.766 | 0.0 | 4.157 | 0.976 |
| 0 | 6 | 0 | 310.411 | 325.713 | 325.713 | 0.0 | -15.302 | -2.725 |
| 11 | 0 | 2 | 11.041 | 10.859 | -10.859 | 0.0 | 0.182 | 0.062 |
| 10 | 0 | 2 | 10.523 | 1.200 | -1.200 | 0.0 | 9.324 | 2.308 |
| 9 | 0 | 2 | 10.272 | 7.050 | -7.050 | 0.0 | 3.222 | 0.804 |
| 8 | 0 | 2 | 7.257 | 2.291 | -2.291 | 0.0 | 4.965 | 0.957 |
| 7 | 0 | 2 | 7.003 | 6.392 | -6.392 | 0.0 | 1.621 | 0.285 |
| 4 | 0 | 2 | 8.823 | 3.991 | -3.991 | 0.0 | 4.832 | 1.131 |
| 2 | 9 | 2 | 11.884 | 11.889 | -11.889 | 0.0 | -0.015 | -0.004 |
| 2 | 0 | 2 | 2.276 | 10.290 | -10.290 | 0.0 | -8.014 | -0.999 |
| 1 | 0 | 2 | 15.211 | 8.778 | -8.778 | 0.0 | 6.433 | 2.544 |
| 0 | 10 | 2 | 11.218 | 3.275 | -3.275 | 0.0 | 7.944 | 2.091 |
| 2 | 10 | 2 | 25.673 | 23.329 | -23.329 | 0.0 | 2.344 | 1.147 |
| 3 | 10 | 2 | 27.865 | 22.305 | -22.305 | 0.0 | 5.560 | 3.128 |
| 4 | 10 | 2 | 13.318 | 9.110 | -9.110 | 0.0 | 4.208 | 1.293 |
| 5 | 10 | 2 | 13.170 | 14.228 | -14.228 | 0.0 | -1.058 | -0.289 |
| 0 | 6 | 0 | 311.407 | 325.713 | 325.713 | 0.0 | -14.306 | -2.544 |
| 6 | 10 | 2 | 12.697 | 15.559 | -15.559 | 0.0 | -2.863 | -0.747 |
| 7 | 10 | 2 | 14.678 | 5.810 | -5.810 | 0.0 | 8.864 | 2.802 |
| 8 | 10 | 2 | 9.385 | 7.216 | -7.216 | 0.0 | 2.169 | 0.457 |
| 9 | 10 | 2 | 10.745 | 7.876 | -7.876 | 0.0 | 2.869 | 0.634 |
| 10 | 10 | 2 | 14.353 | 4.025 | -4.025 | 0.0 | 10.328 | 3.248 |
| 11 | 10 | 2 | 14.264 | 17.127 | -17.127 | 0.0 | -2.863 | -0.712 |
| 13 | 10 | 2 | 12.569 | 7.881 | -7.881 | 0.0 | 5.718 | 1.487 |
| 14 | 10 | 2 | 12.815 | 6.932 | -6.932 | 0.0 | 5.883 | 1.401 |
| 15 | 10 | 2 | 1.951 | 10.378 | -10.378 | 0.0 | -8.427 | -0.856 |
| 16 | 10 | 2 | 12.519 | 5.161 | -5.161 | 0.0 | 7.358 | 1.722 |
| 17 | 10 | 2 | 13.924 | 15.735 | -15.735 | 0.0 | -1.811 | -0.412 |
| 14 | 11 | 2 | 11.765 | 3.977 | -3.977 | 0.0 | 7.788 | 1.792 |
| 12 | 11 | 2 | 31.377 | 32.649 | -32.649 | 0.0 | -1.271 | -0.533 |
| 11 | 11 | 2 | 35.574 | 33.480 | -33.480 | 0.0 | -2.094 | -1.045 |
| 10 | 11 | 2 | 13.466 | 15.959 | -15.959 | 0.0 | -2.494 | -0.600 |
| 9 | 11 | 2 | 43.550 | 41.908 | -41.908 | 0.0 | 1.641 | 0.869 |
| 8 | 11 | 2 | 30.799 | 28.253 | -28.253 | 0.0 | 2.546 | 1.184 |
| 7 | 11 | 2 | 22.467 | 18.675 | -18.675 | 0.0 | 3.993 | 1.606 |
| 0 | 6 | 0 | 312.638 | 325.713 | 325.713 | 0.0 | -13.075 | -2.312 |
| 6 | 11 | 2 | 10.021 | 3.756 | -3.756 | 0.0 | 6.265 | 1.316 |
| 5 | 11 | 2 | 27.258 | 28.460 | -28.460 | 0.0 | -1.202 | -0.501 |
| 3 | 11 | 2 | 34.922 | 32.236 | -32.236 | 0.0 | 2.685 | 1.448 |
| 2 | 11 | 2 | 13.185 | 10.266 | -10.266 | 0.0 | 2.919 | 0.748 |
| 1 | 11 | 2 | 20.447 | 15.136 | -15.136 | 0.0 | 5.312 | 2.099 |
| 0 | 12 | 2 | 7.597 | 4.002 | -4.002 | 0.0 | 3.594 | 0.630 |
| 2 | 12 | 2 | 31.866 | 30.621 | -30.621 | 0.0 | 1.246 | 0.592 |
| 3 | 12 | 2 | 29.613 | 26.647 | -26.647 | 0.0 | 2.967 | 1.300 |

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| H | K | L | F (OBS) | F (CALC) | A (CALC) | B (CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|----------|----------|----------|---------|-------------|
| 4 | 12 | 2 | 9.222 | 10.493 | -10.493 | 0.0 | -1.270 | -0.225 |
| 5 | 12 | 2 | 16.956 | 15.253 | -15.253 | 0.0 | 1.703 | 0.490 |
| 6 | 12 | 2 | 10.804 | 8.216 | -8.216 | 0.0 | 2.588 | 0.527 |
| 8 | 12 | 2 | 7.245 | 6.049 | -6.049 | 0.0 | 1.297 | 0.199 |
| 9 | 12 | 2 | 22.445 | 16.371 | -16.371 | 0.0 | 6.075 | 2.372 |
| 10 | 12 | 2 | 6.403 | 4.126 | -4.126 | 0.0 | 2.376 | 0.330 |
| 11 | 12 | 2 | 6.380 | 13.613 | 13.613 | 0.0 | -5.233 | -0.825 |
| 4 | 13 | 2 | 14.427 | 10.419 | -10.419 | 0.0 | 4.007 | 0.969 |
| 3 | 13 | 2 | 15.832 | 3.403 | -3.403 | 0.0 | 12.429 | 3.735 * |
| 0 | 6 | 0 | 308.135 | 325.713 | 325.713 | 0.0 | -17.579 | -3.164 * |
| 1 | 13 | 2 | 9.651 | 10.934 | -10.934 | 0.0 | -1.283 | -0.228 |
| 0 | 12 | 3 | 11.677 | 14.283 | -14.283 | 0.0 | -2.607 | -0.528 |
| 3 | 12 | 3 | 9.104 | 2.683 | -2.683 | 0.0 | 6.421 | 1.308 |
| 5 | 12 | 3 | 6.872 | 0.287 | -0.287 | 0.0 | 6.585 | 1.013 |
| 7 | 12 | 3 | 12.150 | 1.912 | -1.912 | 0.0 | 10.238 | 2.482 * |
| 11 | 11 | 3 | 10.492 | 4.156 | -4.156 | 0.0 | 6.826 | 1.443 |
| 10 | 11 | 3 | 28.724 | 26.666 | -26.666 | 0.0 | 2.058 | 0.837 |
| 9 | 11 | 3 | 17.237 | 8.180 | -8.180 | 0.0 | 9.057 | 2.916 |
| 6 | 11 | 3 | 7.523 | 12.952 | 12.952 | 0.0 | -5.429 | -0.842 |
| 5 | 11 | 3 | 13.273 | 9.193 | -9.193 | 0.0 | 4.081 | 1.011 |
| 4 | 11 | 3 | 2.616 | 1.803 | -1.803 | 0.0 | 0.812 | 0.092 |
| 0 | 6 | 0 | 311.475 | 325.713 | 325.713 | 0.0 | -13.838 | -2.450 * |
| 2 | 11 | 3 | 28.813 | 30.495 | -30.495 | 0.0 | -1.682 | -0.684 |
| 1 | 11 | 3 | 11.687 | 3.945 | -3.945 | 0.0 | 8.042 | 1.929 |
| 0 | 10 | 3 | 12.726 | 12.784 | -12.784 | 0.0 | -0.058 | -0.014 |
| 1 | 10 | 3 | 8.099 | 3.279 | -3.279 | 0.0 | 4.820 | 0.951 |
| 2 | 10 | 3 | 2.409 | 0.902 | -0.902 | 0.0 | 1.507 | 0.180 |
| 3 | 10 | 3 | 14.368 | 16.750 | -16.750 | 0.0 | -2.391 | -0.620 |
| 4 | 10 | 3 | 35.841 | 34.892 | -34.892 | 0.0 | 0.950 | 0.508 |
| 6 | 10 | 3 | 5.401 | 1.263 | -1.263 | 0.0 | 4.339 | 0.620 |
| 7 | 10 | 3 | 3.325 | 3.472 | 3.472 | 0.0 | -0.146 | -0.018 |
| 8 | 10 | 3 | 13.540 | 2.930 | -2.930 | 0.0 | 10.609 | 2.989 * |
| 9 | 10 | 3 | 2.335 | 7.270 | 7.270 | 0.0 | -4.935 | -0.537 |
| 11 | 10 | 3 | 8.454 | 7.567 | -7.567 | 0.0 | 0.887 | 0.148 |
| 12 | 10 | 3 | 4.759 | 2.878 | -2.878 | 0.0 | 1.881 | 0.249 |
| 0 | 6 | 0 | 309.301 | 325.713 | 325.713 | 0.0 | -16.412 | -2.939 * |
| 14 | 9 | 3 | 73.673 | 71.779 | -71.779 | 0.0 | 1.894 | 1.115 * |
| 13 | 9 | 3 | 25.436 | 23.199 | -23.199 | 0.0 | 2.237 | 0.938 |
| 10 | 9 | 3 | 18.124 | 15.780 | -15.780 | 0.0 | 2.345 | 0.800 |
| 8 | 9 | 3 | 12.120 | 0.500 | -0.500 | 0.0 | 11.620 | 3.070 * |
| 7 | 9 | 3 | 14.041 | 12.080 | -12.080 | 0.0 | 2.761 | 0.845 |
| 6 | 9 | 3 | 57.435 | 55.680 | -55.680 | 0.0 | 1.755 | 1.164 |
| 5 | 9 | 3 | 2.320 | 10.432 | -10.432 | 0.0 | -8.112 | -0.929 |
| 4 | 9 | 3 | 7.936 | 1.836 | -1.836 | 0.0 | 6.100 | 1.207 |
| 3 | 9 | 3 | 14.900 | 1.762 | -1.762 | 0.0 | 13.138 | 4.700 * |
| 2 | 9 | 3 | 51.498 | 52.560 | -52.560 | 0.0 | -1.062 | -0.706 |
| 1 | 9 | 3 | 33.779 | 34.319 | -34.319 | 0.0 | -0.540 | -0.303 |
| 0 | 8 | 3 | 129.700 | 130.724 | -130.724 | 0.0 | -1.024 | -0.470 |
| 1 | 8 | 3 | 27.050 | 28.885 | -28.885 | 0.0 | -1.835 | -0.885 |
| 2 | 8 | 3 | 10.667 | 4.818 | -4.818 | 0.0 | 6.149 | 1.600 |
| 3 | 8 | 3 | 20.803 | 11.908 | -11.908 | 0.0 | 8.895 | 4.485 |
| 4 | 8 | 3 | 22.653 | 23.008 | -23.008 | 0.0 | -0.355 | -0.161 |
| 0 | 6 | 0 | 310.646 | 325.713 | 325.713 | 0.0 | -15.068 | -2.683 * |

| H | K | I | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 5 | R | 3 | 20.803 | 17.050 | -17.050 | 0.0 | 3.704 | 1.814 |
| 6 | R | 3 | 14.240 | 0.064 | -0.064 | 0.0 | 13.285 | 4.704 |
| 7 | R | 3 | 34.477 | 34.370 | -34.370 | 0.0 | 0.157 | 0.094 |
| 8 | R | 3 | 56.420 | 56.082 | -56.082 | 0.0 | -0.563 | -0.381 |
| 10 | R | 3 | 5.460 | 0.418 | 0.418 | 0.0 | 5.243 | 0.845 |
| 12 | R | 3 | 43.015 | 42.734 | -42.734 | 0.0 | 0.281 | 0.173 |
| 13 | R | 3 | 21.232 | 19.847 | -19.847 | 0.0 | 1.385 | 0.538 |
| 15 | R | 3 | 15.151 | 16.746 | 16.746 | 0.0 | -1.594 | -0.407 |
| 16 | R | 3 | 17.651 | 22.442 | 22.442 | 0.0 | -4.791 | -1.322 |
| 17 | R | 3 | 11.396 | 14.338 | 14.338 | 0.0 | -7.057 | -1.540 |
| 19 | R | 3 | 20.462 | 19.349 | -19.349 | 0.0 | 1.113 | 0.368 |
| 21 | R | 3 | 11.425 | 2.177 | 2.177 | 0.0 | 9.248 | 1.925 |
| 10 | R | 3 | 14.067 | 5.764 | 5.764 | 0.0 | 8.323 | 2.190 |
| 13 | R | 3 | 7.780 | 4.069 | -4.069 | 0.0 | 3.720 | 0.618 |
| 0 | A | 0 | 310.630 | 325.713 | 325.713 | 0.0 | -14.775 | -2.629 |
| 14 | R | 3 | 41.450 | 39.828 | -39.828 | 0.0 | 1.671 | 1.103 |
| 15 | R | 3 | 18.701 | 14.134 | 14.134 | 0.0 | 4.567 | 1.705 |
| 12 | R | 3 | 11.890 | 3.619 | -3.619 | 0.0 | 8.279 | 2.187 |
| 11 | R | 3 | 1.951 | 0.505 | 0.505 | 0.0 | 1.446 | 0.170 |
| 10 | R | 3 | 22.093 | 20.051 | -20.051 | 0.0 | 2.947 | 1.363 |
| 0 | R | 3 | 10.523 | 6.604 | 6.604 | 0.0 | 3.979 | 1.051 |
| 7 | R | 3 | 8.666 | 8.085 | 8.085 | 0.0 | 1.581 | 0.376 |
| 7 | R | 3 | 10.686 | 11.104 | -11.104 | 0.0 | -0.418 | -0.111 |
| 4 | R | 3 | 32.282 | 33.838 | 33.838 | 0.0 | -1.557 | -0.875 |
| 5 | R | 3 | 10.316 | 7.213 | 7.213 | 0.0 | 3.103 | 0.830 |
| 4 | R | 3 | 10.612 | 8.926 | 8.926 | 0.0 | 1.686 | 0.458 |
| 3 | R | 3 | 7.242 | 7.278 | -7.278 | 0.0 | -0.036 | -0.008 |
| 2 | R | 3 | 9.740 | 5.492 | 5.492 | 0.0 | 4.247 | 1.114 |
| 1 | R | 3 | 6.798 | 13.557 | -13.557 | 0.0 | -6.759 | -1.281 |
| 0 | R | 3 | 3.000 | 6.084 | -6.084 | 0.0 | -2.084 | -0.308 |
| 2 | R | 3 | 8.180 | 7.874 | 7.874 | 0.0 | 0.314 | 0.064 |
| 3 | R | 3 | 5.600 | 11.663 | 11.663 | 0.0 | -5.973 | -1.078 |
| 0 | R | 0 | 310.481 | 325.713 | 325.713 | 0.0 | -15.262 | -2.719 |
| 4 | R | 3 | 7.715 | 9.679 | 9.679 | 0.0 | -1.964 | -0.423 |
| 5 | R | 3 | 12.850 | 11.791 | 11.791 | 0.0 | 1.068 | 0.356 |
| 6 | R | 3 | 0.163 | 2.489 | -2.489 | 0.0 | -2.326 | -0.248 |
| 7 | R | 3 | 11.705 | 7.627 | 7.627 | 0.0 | 4.168 | 1.355 |
| 9 | R | 3 | 27.301 | 27.803 | -27.803 | 0.0 | -0.412 | -0.232 |
| 0 | R | 3 | 9.947 | 4.477 | -4.477 | 0.0 | 5.470 | 1.445 |
| 10 | R | 3 | 10.276 | 0.542 | -0.542 | 0.0 | 9.834 | 2.715 |
| 12 | R | 3 | 11.807 | 6.997 | 6.997 | 0.0 | 4.990 | 1.395 |
| 15 | R | 3 | 2.453 | 0.439 | 0.439 | 0.0 | 2.014 | 0.245 |
| 16 | R | 3 | 3.276 | 4.809 | -4.809 | 0.0 | -1.514 | -0.193 |
| 18 | R | 3 | 15.137 | 0.372 | 0.372 | 0.0 | 14.765 | 4.870 |
| 20 | R | 3 | 16.008 | 12.748 | 12.748 | 0.0 | 3.350 | 0.960 |
| 0 | R | 0 | 312.160 | 325.713 | 325.713 | 0.0 | -13.545 | -2.397 |
| 21 | R | 3 | 13.498 | 5.011 | -5.011 | 0.0 | 8.987 | 2.293 |
| 20 | R | 3 | 0.267 | 2.022 | 2.022 | 0.0 | 7.245 | 1.454 |
| 19 | R | 3 | 6.133 | 5.245 | 5.245 | 0.0 | 0.889 | 0.138 |
| 18 | R | 3 | 28.290 | 26.919 | -26.919 | 0.0 | 1.361 | 0.604 |
| 17 | R | 3 | 20.166 | 20.291 | 20.291 | 0.0 | -0.124 | -0.048 |
| 16 | R | 3 | 10.882 | 4.909 | -4.909 | 0.0 | 6.073 | 1.799 |
| 15 | R | 3 | 11.070 | 8.579 | 8.579 | 0.0 | 2.491 | 0.613 |

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| M | K | I | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/STGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 14 | 5 | 2 | 23.348 | 23.124 | 23.124 | 0.0 | 0.224 | 0.101 |
| 13 | 5 | 3 | 11.543 | 9.250 | -0.250 | 0.0 | 2.293 | 0.621 |
| 11 | 5 | 2 | 15.004 | 15.813 | -15.813 | 0.0 | -0.809 | -0.271 |
| 10 | 5 | 3 | 62.725 | 63.192 | -63.192 | 0.0 | -0.466 | -0.335 |
| 9 | 5 | 2 | 12.342 | 14.672 | -14.672 | 0.0 | -2.331 | -0.674 |
| 6 | 5 | 3 | 8.232 | 2.642 | 2.642 | 0.0 | 5.590 | 1.171 |
| 5 | 5 | 3 | 25.007 | 27.205 | -27.205 | 0.0 | -2.198 | -1.100 |
| 4 | 5 | 2 | 7.567 | 4.744 | -4.744 | 0.0 | 2.823 | 0.594 |
| 3 | 5 | 3 | 19.027 | 18.578 | -18.578 | 0.0 | 0.449 | 0.180 |
| 0 | 6 | 0 | 307.824 | 325.713 | -325.713 | 0.0 | -17.889 | -3.222 |
| 2 | 5 | 2 | 83.558 | 89.768 | -89.768 | 0.0 | -6.210 | -4.071 |
| 1 | 5 | 3 | 20.936 | 26.140 | -26.140 | 0.0 | -5.204 | -2.284 |
| 0 | 4 | 3 | 133.068 | 143.680 | -143.680 | 0.0 | -10.613 | -4.525 |
| 1 | 4 | 2 | 25.202 | 24.025 | -24.025 | 0.0 | 1.176 | 0.750 |
| 2 | 4 | 3 | 10.442 | 6.598 | -6.598 | 0.0 | 6.063 | 1.425 |
| 3 | 4 | 2 | 13.583 | 11.027 | -11.027 | 0.0 | 2.556 | 1.098 |
| 4 | 4 | 3 | 35.307 | 35.550 | -35.550 | 0.0 | -0.243 | -0.170 |
| 5 | 4 | 3 | 12.902 | 6.522 | 6.522 | 0.0 | 5.480 | 1.708 |
| 6 | 4 | 2 | 14.116 | 1.520 | 1.520 | 0.0 | 12.596 | 4.436 |
| 7 | 4 | 3 | 10.124 | 13.521 | -13.521 | 0.0 | -3.407 | -0.847 |
| 8 | 4 | 3 | 24.503 | 25.981 | -25.981 | 0.0 | -1.378 | -0.655 |
| 9 | 4 | 2 | 11.750 | 8.526 | -8.526 | 0.0 | 3.225 | 0.969 |
| 10 | 4 | 3 | 8.380 | 11.948 | -11.948 | 0.0 | -3.568 | -0.815 |
| 11 | 4 | 2 | 13.318 | 8.065 | 8.065 | 0.0 | 5.253 | 1.850 |
| 12 | 4 | 3 | 42.851 | 42.076 | -42.076 | 0.0 | -0.225 | -0.164 |
| 13 | 4 | 2 | 21.513 | 22.083 | -22.083 | 0.0 | -0.570 | -0.741 |
| 14 | 4 | 3 | 15.625 | 4.172 | 4.172 | 0.0 | 11.453 | 4.722 |
| 15 | 4 | 2 | 16.941 | 14.644 | -14.644 | 0.0 | 2.297 | 0.839 |
| 16 | 4 | 3 | 6.104 | 3.995 | -3.995 | 0.0 | 2.108 | 0.368 |
| 17 | 4 | 2 | 7.551 | 4.512 | -4.512 | 0.0 | 3.038 | 0.684 |
| 0 | 6 | 0 | 308.485 | 325.713 | -325.713 | 0.0 | -17.228 | -3.100 |
| 20 | 4 | 3 | 40.369 | 42.253 | -42.253 | 0.0 | -1.884 | -1.023 |
| 21 | 4 | 2 | 3.384 | 4.344 | -4.344 | 0.0 | -0.960 | -0.114 |
| 23 | 4 | 3 | 11.628 | 5.809 | -5.809 | 0.0 | 2.118 | 0.458 |
| 24 | 4 | 2 | 24.651 | 19.685 | -19.685 | 0.0 | 4.966 | 1.973 |
| 23 | 3 | 2 | 11.440 | 7.517 | -7.517 | 0.0 | 3.923 | 0.899 |
| 22 | 3 | 3 | 33.527 | 30.156 | -30.156 | 0.0 | 3.371 | 1.879 |
| 21 | 3 | 3 | 32.830 | 34.039 | -34.039 | 0.0 | -1.209 | -0.595 |
| 20 | 3 | 3 | 11.943 | 4.585 | -4.585 | 0.0 | 7.357 | 1.371 |
| 19 | 3 | 3 | 19.204 | 20.047 | -20.047 | 0.0 | -0.842 | -0.293 |
| 18 | 3 | 3 | 66.519 | 65.558 | -65.558 | 0.0 | 1.361 | 0.899 |
| 17 | 3 | 3 | 21.765 | 21.198 | -21.198 | 0.0 | 0.566 | 0.245 |
| 16 | 3 | 3 | 8.644 | 9.914 | -9.914 | 0.0 | -1.268 | -0.266 |
| 15 | 3 | 3 | 22.570 | 23.156 | -23.156 | 0.0 | 0.414 | 0.182 |
| 14 | 3 | 3 | 172.062 | 169.505 | -169.505 | 0.0 | 2.537 | 0.891 |
| 13 | 3 | 3 | 53.838 | 54.012 | -54.012 | 0.0 | -0.174 | -0.127 |
| 12 | 3 | 3 | 13.318 | 9.404 | -9.404 | 0.0 | 3.913 | 1.310 |
| 0 | 4 | 0 | 310.197 | 325.713 | -325.713 | 0.0 | -15.516 | -2.774 |
| 11 | 3 | 2 | 76.616 | 152.523 | -152.523 | 0.0 | -1.092 | -0.410 |
| 10 | 3 | 2 | 11.222 | 5.474 | -5.474 | 0.0 | 5.847 | 1.582 |
| 9 | 3 | 3 | 21.765 | 22.999 | -22.999 | 0.0 | -1.225 | -0.559 |
| 8 | 3 | 3 | 6.118 | 4.636 | -4.636 | 0.0 | 1.483 | 0.282 |
| 7 | 3 | 3 | 43.505 | 42.236 | -42.236 | 0.0 | 1.269 | 0.928 |

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| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 6 | 3 | 3 | 103.100 | 101.666 | 101.666 | 0.0 | 1.454 | 0.457 |
| 5 | 3 | 3 | 55.375 | 55.744 | -55.744 | 0.0 | -0.369 | -0.298 |
| 4 | 3 | 2 | 13.569 | 15.717 | 15.717 | 0.0 | -2.148 | -0.737 |
| 3 | 3 | 3 | 15.832 | 21.499 | -21.499 | 0.0 | -5.668 | -2.153 |
| 2 | 3 | 3 | 186.717 | 185.990 | -185.990 | 0.0 | -0.727 | -0.033 |
| 1 | 3 | 3 | 93.404 | 97.824 | 97.824 | 0.0 | -4.420 | -2.481 |
| 0 | 3 | 3 | 241.161 | 267.616 | 267.616 | 0.0 | -26.455 | -6.489 |
| 1 | 2 | 3 | 56.405 | 58.789 | 58.789 | 0.0 | -2.385 | -1.097 |
| 3 | 2 | 3 | 21.251 | 22.008 | 22.008 | 0.0 | -0.746 | -0.420 |
| 4 | 2 | 3 | 31.318 | 30.658 | -30.658 | 0.0 | 0.660 | 0.494 |
| 5 | 2 | 3 | 18.775 | 20.664 | -20.664 | 0.0 | -1.888 | -0.851 |
| 7 | 2 | 3 | 45.910 | 43.119 | -43.119 | 0.0 | 2.692 | 2.262 |
| 8 | 2 | 3 | 78.719 | 77.475 | -77.475 | 0.0 | 1.240 | 0.849 |
| 0 | 0 | 0 | 309.664 | 325.713 | 325.713 | 0.0 | -15.769 | -2.821 |
| 0 | 2 | 3 | 5.882 | 1.976 | -1.976 | 0.0 | 3.906 | 0.724 |
| 10 | 2 | 3 | 10.109 | 10.803 | -10.803 | 0.0 | -0.694 | -0.169 |
| 12 | 2 | 3 | 86.113 | 85.445 | -85.445 | 0.0 | 0.668 | 0.448 |
| 13 | 2 | 3 | 37.207 | 37.336 | -37.336 | 0.0 | -0.130 | -0.086 |
| 15 | 2 | 3 | 34.744 | 30.960 | -30.960 | 0.0 | 3.783 | 2.429 |
| 16 | 2 | 3 | 32.860 | 33.287 | 33.287 | 0.0 | -0.427 | -0.255 |
| 17 | 2 | 3 | 10.169 | 2.559 | -2.559 | 0.0 | 7.609 | 1.913 |
| 18 | 2 | 2 | 4.245 | 0.693 | -0.693 | 0.0 | 3.652 | 0.522 |
| 19 | 2 | 3 | 22.653 | 22.939 | 22.939 | 0.0 | -0.287 | -0.109 |
| 20 | 2 | 3 | 74.756 | 77.008 | -77.008 | 0.0 | -2.252 | -1.400 |
| 21 | 2 | 3 | 14.220 | 8.189 | -8.189 | 0.0 | 6.031 | 1.750 |
| 22 | 2 | 3 | 8.038 | 5.757 | -5.757 | 0.0 | 3.081 | 0.559 |
| 23 | 2 | 3 | 8.676 | 3.080 | -3.080 | 0.0 | 5.595 | 1.020 |
| 24 | 2 | 3 | 10.863 | 13.274 | -13.274 | 0.0 | -2.410 | -0.443 |
| 25 | 1 | 3 | 8.720 | 5.549 | -5.549 | 0.0 | 3.171 | 0.556 |
| 24 | 1 | 3 | 7.611 | 6.457 | -6.457 | 0.0 | 1.155 | 0.180 |
| 23 | 1 | 3 | 5.409 | 0.594 | -0.594 | 0.0 | 4.815 | 0.585 |
| 0 | 0 | 0 | 309.574 | 325.713 | 325.713 | 0.0 | -16.139 | -2.888 |
| 20 | 1 | 3 | 11.550 | 2.535 | -2.535 | 0.0 | 9.023 | 2.252 |
| 19 | 1 | 3 | 19.782 | 20.911 | -20.911 | 0.0 | -1.130 | -0.422 |
| 17 | 1 | 3 | 24.474 | 21.222 | -21.222 | 0.0 | 3.252 | 1.615 |
| 14 | 1 | 3 | 16.736 | 13.836 | -13.836 | 0.0 | 2.898 | 1.209 |
| 12 | 1 | 3 | 5.641 | 3.270 | -3.270 | 0.0 | 2.564 | 0.496 |
| 11 | 1 | 3 | 14.619 | 11.672 | -11.672 | 0.0 | 2.947 | 0.972 |
| 10 | 1 | 3 | 60.273 | 59.566 | -59.566 | 0.0 | 0.708 | 0.532 |
| 9 | 1 | 3 | 14.782 | 16.899 | -16.899 | 0.0 | -1.918 | -0.668 |
| 7 | 1 | 3 | 12.081 | 14.837 | -14.837 | 0.0 | -2.806 | -0.904 |
| 4 | 1 | 3 | 25.839 | 25.837 | -25.837 | 0.0 | 0.103 | 0.066 |
| 5 | 1 | 2 | 32.282 | 33.121 | -33.121 | 0.0 | -0.840 | -0.609 |
| 3 | 1 | 3 | 15.551 | 18.246 | -18.246 | 0.0 | -2.695 | -1.248 |
| 0 | 0 | 0 | 310.137 | 325.713 | 325.713 | 0.0 | -15.574 | -2.785 |
| 2 | 1 | 3 | 68.283 | 63.767 | -63.767 | 0.0 | -4.516 | -0.389 |
| 1 | 1 | 3 | 13.893 | 13.316 | -13.316 | 0.0 | -0.577 | -0.398 |
| 0 | 0 | 4 | 105.857 | 106.191 | -106.191 | 0.0 | 3.666 | 1.091 |
| 1 | 0 | 4 | 38.617 | 38.084 | -38.084 | 0.0 | 0.534 | 0.374 |
| 2 | 0 | 4 | 72.892 | 73.616 | -73.616 | 0.0 | -0.724 | -0.518 |
| 3 | 0 | 4 | 119.372 | 116.366 | -116.366 | 0.0 | 3.005 | 1.520 |
| 4 | 0 | 4 | 171.994 | 163.282 | -163.282 | 0.0 | 8.712 | 1.318 |
| 5 | 0 | 4 | 94.405 | 93.201 | -93.201 | 0.0 | 1.204 | 0.727 |

| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 5 | 0 | 4 | 11.098 | 9.438 | 9.438 | 0.0 | 3.660 | 0.092 |
| 7 | 0 | 4 | 82.009 | 84.511 | -84.511 | 0.0 | -1.602 | -1.050 |
| 8 | 0 | 4 | 124.262 | 123.508 | -123.508 | 0.0 | 0.754 | 0.366 |
| 9 | 0 | 4 | 38.493 | 41.567 | 41.567 | 0.0 | -3.069 | -2.007 |
| 10 | 0 | 4 | 31.451 | 32.495 | -32.495 | 0.0 | -1.044 | -0.634 |
| 11 | 0 | 4 | 13.569 | 19.172 | -19.172 | 0.0 | -5.603 | -1.662 |
| 12 | 0 | 4 | 91.308 | 92.162 | -92.162 | 0.0 | -0.854 | -0.516 |
| 13 | 0 | 4 | 59.481 | 57.924 | -57.924 | 0.0 | 1.487 | 1.059 |
| 14 | 0 | 4 | 6.872 | 6.731 | 6.731 | 0.0 | 0.141 | 0.027 |
| 15 | 0 | 4 | 28.250 | 29.357 | -29.357 | 0.0 | -1.107 | -0.515 |
| 16 | 0 | 4 | 80.162 | 78.513 | -78.513 | 0.0 | 1.649 | 1.022 |
| 17 | 0 | 4 | 37.800 | 40.141 | 40.141 | 0.0 | -2.251 | -1.233 |
| 0 | 6 | 0 | 309.485 | 325.713 | 325.713 | 0.0 | -15.828 | -2.831 |
| 18 | 0 | 4 | 19.737 | 20.241 | -20.241 | 0.0 | -0.504 | -0.190 |
| 19 | 0 | 4 | 12.717 | 12.742 | -12.742 | 0.0 | 0.025 | 0.262 |
| 20 | 0 | 4 | 27.835 | 30.408 | 30.408 | 0.0 | -2.572 | -1.092 |
| 21 | 0 | 4 | 9.149 | 3.703 | 3.703 | 0.0 | 5.446 | 0.985 |
| 22 | 0 | 4 | 7.685 | 14.146 | -14.146 | 0.0 | -5.461 | -0.952 |
| 23 | 0 | 4 | 29.836 | 26.328 | -29.328 | 0.0 | 0.508 | 0.197 |
| 23 | 1 | 4 | 8.543 | 0.540 | -0.540 | 0.0 | 8.003 | 1.417 |
| 22 | 1 | 4 | 18.190 | 23.391 | -23.391 | 0.0 | -4.231 | -1.187 |
| 21 | 1 | 4 | 11.011 | 10.590 | -10.590 | 0.0 | 0.421 | 0.085 |
| 20 | 1 | 4 | 9.183 | 2.130 | -2.130 | 0.0 | 7.034 | 1.404 |
| 19 | 1 | 4 | 21.735 | 17.289 | -17.289 | 0.0 | 4.446 | 1.736 |
| 18 | 1 | 4 | 27.855 | 26.938 | -26.938 | 0.0 | 0.916 | 0.440 |
| 17 | 1 | 4 | 10.257 | 10.360 | 10.360 | 0.0 | -0.103 | -0.023 |
| 16 | 1 | 4 | 6.444 | 5.874 | 5.874 | 0.0 | -0.570 | -0.561 |
| 15 | 1 | 4 | 6.887 | 6.910 | -6.910 | 0.0 | -0.023 | -0.006 |
| 14 | 1 | 4 | 10.952 | 12.182 | -12.182 | 0.0 | -1.229 | -0.295 |
| 13 | 1 | 4 | 8.628 | 1.062 | -1.062 | 0.0 | 7.465 | 1.689 |
| 12 | 1 | 4 | 35.501 | 33.214 | -33.214 | 0.0 | 2.287 | 1.311 |
| 11 | 1 | 4 | 72.306 | 72.761 | -72.761 | 0.0 | -0.455 | -0.909 |
| 10 | 1 | 4 | 72.441 | 71.107 | -71.107 | 0.0 | 1.334 | 0.935 |
| 0 | 6 | 0 | 311.153 | 325.713 | 325.713 | 0.0 | -14.560 | -2.590 |
| 9 | 1 | 4 | 45.379 | 44.845 | 44.845 | 0.0 | 0.534 | 0.382 |
| 8 | 1 | 4 | 34.744 | 35.901 | 35.901 | 0.0 | -1.157 | -0.722 |
| 7 | 1 | 4 | 20.236 | 19.900 | -19.900 | 0.0 | 0.336 | 0.264 |
| 6 | 1 | 4 | 35.821 | 37.933 | -37.933 | 0.0 | -1.112 | -0.607 |
| 5 | 1 | 4 | 16.468 | 20.823 | 20.823 | 0.0 | -4.355 | -1.526 |
| 4 | 1 | 4 | 18.202 | 19.438 | -19.438 | 0.0 | -1.136 | -0.460 |
| 3 | 1 | 4 | 2.823 | 10.156 | -10.156 | 0.0 | -7.333 | -0.990 |
| 2 | 1 | 4 | 55.121 | 56.651 | 56.651 | 0.0 | -1.530 | -1.152 |
| 1 | 1 | 4 | 72.471 | 76.566 | 76.566 | 0.0 | -4.095 | -2.931 |
| 0 | 2 | 4 | 61.111 | 66.426 | -66.426 | 0.0 | -5.315 | -3.863 |
| 1 | 2 | 4 | 53.033 | 55.523 | 55.523 | 0.0 | -2.490 | -1.876 |
| 2 | 2 | 4 | 25.525 | 21.905 | -21.905 | 0.0 | 4.019 | 2.381 |
| 3 | 2 | 4 | 16.202 | 12.707 | 12.707 | 0.0 | 3.494 | 1.358 |
| 4 | 2 | 4 | 28.532 | 29.526 | -29.526 | 0.0 | -0.995 | -0.321 |
| 5 | 2 | 4 | 32.779 | 32.457 | -32.457 | 0.0 | 0.322 | 0.332 |
| 6 | 2 | 4 | 15.018 | 10.538 | -10.538 | 0.0 | 4.480 | 1.594 |
| 7 | 2 | 4 | 12.445 | 9.118 | 9.118 | 0.0 | 3.327 | 1.037 |
| 8 | 2 | 4 | 35.130 | 33.682 | -33.682 | 0.0 | 1.448 | 0.946 |
| 9 | 2 | 4 | 17.281 | 18.146 | 18.146 | 0.0 | -0.864 | -0.326 |

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| H | K | L | F(DRS) | F(CALF) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 10 | 2 | 4 | 10.049 | 4.091 | -4.091 | 0.0 | 4.758 | 1.381 |
| 0 | 4 | 0 | 311.543 | 325.713 | 325.713 | 0.0 | -14.150 | -2.516 * |
| 11 | 2 | 4 | 11.721 | 14.160 | 14.160 | 0.0 | -2.439 | -0.652 |
| 12 | 2 | 4 | 31.349 | 30.293 | 30.393 | 0.0 | 0.095 | 0.524 |
| 13 | 2 | 4 | 26.280 | 24.065 | -24.065 | 0.0 | 2.215 | 1.177 |
| 14 | 2 | 4 | 21.217 | 20.252 | 20.252 | 0.0 | 0.045 | 0.410 |
| 16 | 2 | 4 | 18.406 | 13.710 | -13.710 | 0.0 | 4.695 | 1.734 |
| 20 | 2 | 4 | 13.347 | 17.163 | 17.163 | 0.0 | -3.815 | -0.890 |
| 21 | 2 | 4 | 8.188 | 5.402 | -5.402 | 0.0 | -1.215 | -0.201 |
| 22 | 2 | 4 | 15.450 | 10.577 | 10.577 | 0.0 | -5.373 | -1.566 |
| 23 | 3 | 4 | 1.567 | 4.260 | 4.260 | 0.0 | -2.653 | -0.256 |
| 22 | 3 | 4 | 2.291 | 4.284 | -4.284 | 0.0 | -1.995 | -0.207 |
| 10 | 3 | 4 | 6.503 | 7.898 | -7.898 | 0.0 | 1.605 | 0.308 |
| 17 | 3 | 4 | 4.774 | 5.003 | 5.003 | 0.0 | -0.229 | -0.031 |
| 0 | 6 | 0 | 310.782 | 325.713 | 325.713 | 0.0 | -14.931 | -2.658 * |
| 15 | 3 | 4 | 11.721 | 10.672 | -10.672 | 0.0 | 1.049 | 0.270 |
| 13 | 3 | 4 | 7.922 | 8.650 | 8.650 | 0.0 | -0.728 | -0.153 |
| 11 | 3 | 4 | 11.130 | 3.538 | -3.538 | 0.0 | 7.592 | 2.225 |
| 0 | 3 | 4 | 12.712 | 14.523 | 14.523 | 0.0 | -1.812 | -0.550 |
| 7 | 2 | 4 | 16.098 | 22.613 | 22.613 | 0.0 | -6.515 | -2.294 |
| 5 | 3 | 4 | 13.362 | 13.196 | -13.196 | 0.0 | 0.166 | 0.051 |
| 3 | 2 | 4 | 9.022 | 0.246 | 0.246 | 0.0 | 9.716 | 2.434 |
| 2 | 3 | 4 | 6.178 | 5.176 | 5.176 | 0.0 | 1.001 | 0.186 |
| 0 | 4 | 4 | 26.309 | 27.507 | -27.507 | 0.0 | -1.109 | -0.576 |
| 1 | 4 | 4 | 3.791 | 7.255 | 7.255 | 0.0 | -3.972 | -0.569 |
| 0 | 5 | 0 | 309.406 | 325.713 | 325.713 | 0.0 | -16.217 | -2.903 * |
| 4 | 4 | 4 | 7.712 | 5.876 | -5.876 | 0.0 | -2.664 | -0.559 |
| 5 | 4 | 4 | 24.000 | 26.000 | 26.000 | 0.0 | -1.976 | -1.027 |
| 6 | 4 | 4 | 9.350 | 14.216 | -14.216 | 0.0 | -8.866 | -1.453 |
| 7 | 4 | 4 | 13.233 | 10.508 | -10.508 | 0.0 | 2.725 | 0.901 |
| 9 | 4 | 4 | 23.040 | 24.047 | 24.047 | 0.0 | -0.106 | -0.052 |
| 10 | 4 | 4 | 8.040 | 14.488 | -14.488 | 0.0 | -6.448 | -1.291 |
| 11 | 4 | 4 | 15.107 | 7.481 | -7.481 | 0.0 | 7.626 | 2.391 |
| 12 | 4 | 4 | 11.520 | 5.734 | 5.734 | 0.0 | 5.784 | 1.640 |
| 12 | 4 | 4 | 6.680 | 12.373 | 12.373 | 0.0 | -5.693 | -0.998 |
| 14 | 4 | 4 | 12.756 | 12.671 | 12.671 | 0.0 | 0.085 | 0.023 |
| 15 | 4 | 4 | 21.173 | 23.323 | 23.323 | 0.0 | -2.150 | -0.785 |
| 18 | 4 | 4 | 13.965 | 8.004 | 8.004 | 0.0 | 5.961 | 1.485 |
| 19 | 4 | 4 | 7.133 | 18.446 | 18.446 | 0.0 | -15.313 | -1.627 * |
| 22 | 4 | 4 | 17.489 | 13.699 | 13.699 | 0.0 | 3.760 | 1.115 |
| 21 | 5 | 4 | 20.891 | 23.505 | 23.505 | 0.0 | -2.614 | -0.785 |
| 0 | 6 | 0 | 310.529 | 325.713 | 325.713 | 0.0 | -15.185 | -2.704 * |
| 20 | 5 | 4 | 13.540 | 0.034 | 0.034 | 0.0 | 13.505 | 3.668 * |
| 10 | 5 | 4 | 23.576 | 28.509 | 28.509 | 0.0 | 0.067 | 0.029 |
| 18 | 5 | 4 | 39.760 | 33.212 | -33.212 | 0.0 | -2.472 | -1.017 |
| 17 | 5 | 4 | 17.059 | 15.707 | -15.707 | 0.0 | 1.353 | 0.416 |
| 16 | 5 | 4 | 0.794 | 10.652 | -10.652 | 0.0 | -0.868 | -0.168 |
| 15 | 5 | 4 | 3.355 | 11.334 | 11.334 | 0.0 | -2.939 | -0.571 |
| 14 | 5 | 4 | 25.560 | 26.280 | 26.280 | 0.0 | -0.741 | -0.323 |
| 13 | 5 | 4 | 10.204 | 20.592 | -20.592 | 0.0 | -1.388 | -0.457 |
| 12 | 5 | 4 | 38.825 | 39.513 | -39.513 | 0.0 | -0.688 | -0.403 |
| 11 | 5 | 4 | 66.295 | 65.512 | 65.512 | 0.0 | 0.883 | 0.372 |
| 10 | 5 | 4 | 80.057 | 80.168 | -80.168 | 0.0 | -0.111 | -0.070 |

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| H | K | L | F(CRS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 6 | 5 | 4 | 50.470 | 50.474 | -50.474 | 0.0 | -0.004 | -0.003 |
| 8 | 5 | 4 | 14.989 | 20.261 | -20.261 | 0.0 | -5.273 | -1.571 |
| 7 | 5 | 4 | 16.467 | 13.960 | -13.960 | 0.0 | 2.508 | 0.950 |
| 6 | 4 | 4 | 53.182 | 54.254 | 54.254 | 0.0 | -1.072 | -0.757 |
| 5 | 5 | 4 | 7.025 | 17.347 | 17.347 | 0.0 | -10.312 | -1.091 * |
| 4 | 5 | 4 | 12.002 | 0.462 | 0.462 | 0.0 | 11.540 | 3.630 * |
| 3 | 5 | 4 | 7.197 | 3.025 | 3.025 | 0.0 | 4.172 | 0.853 |
| 2 | 5 | 4 | 71.029 | 73.086 | -73.086 | 0.0 | -2.057 | -1.427 |
| 1 | 5 | 4 | 47.268 | 48.257 | -48.257 | 0.0 | -0.989 | -0.730 |
| 0 | 6 | 0 | 309.691 | 325.713 | 325.713 | 0.0 | -16.022 | -2.867 * |
| 0 | 6 | 4 | 47.447 | 48.707 | -48.707 | 0.0 | -1.260 | -0.864 |
| 1 | 6 | 4 | 8.513 | 6.801 | -6.801 | 0.0 | 1.712 | 0.370 |
| 2 | 6 | 4 | 36.965 | 37.428 | 37.428 | 0.0 | -0.463 | -0.364 |
| 3 | 6 | 4 | 64.477 | 64.157 | 64.157 | 0.0 | 0.320 | 0.225 |
| 4 | 6 | 4 | 90.989 | 91.620 | 91.620 | 0.0 | -0.631 | -0.378 |
| 5 | 6 | 4 | 46.896 | 47.071 | -47.071 | 0.0 | -0.174 | -0.120 |
| 6 | 6 | 4 | 10.789 | 11.534 | 11.534 | 0.0 | -0.744 | -0.189 |
| 7 | 6 | 4 | 25.914 | 26.691 | -26.691 | 0.0 | -1.136 | -0.512 |
| 8 | 6 | 4 | 65.151 | 63.323 | -63.323 | 0.0 | 1.828 | 1.258 |
| 10 | 6 | 4 | 16.852 | 9.688 | -9.688 | 0.0 | 7.164 | 2.676 |
| 12 | 6 | 4 | 48.565 | 49.069 | 49.069 | 0.0 | -0.103 | -0.065 |
| 13 | 6 | 4 | 42.747 | 46.999 | -46.999 | 0.0 | -4.151 | -2.270 |
| 15 | 6 | 4 | 31.437 | 28.340 | -28.340 | 0.0 | 3.096 | 1.503 |
| 16 | 6 | 4 | 50.000 | 46.834 | -46.834 | 0.0 | 3.174 | 1.837 |
| 17 | 6 | 4 | 25.466 | 26.488 | 26.488 | 0.0 | -1.022 | -0.393 |
| 16 | 6 | 4 | 13.421 | 17.815 | -17.815 | 0.0 | -4.393 | -0.968 |
| 18 | 6 | 4 | 8.054 | 3.886 | -3.886 | 0.0 | 4.198 | 0.706 |
| 20 | 6 | 0 | 309.574 | 325.713 | 325.713 | 0.0 | -16.139 | -2.888 * |
| 20 | 6 | 4 | 17.178 | 15.570 | 15.570 | 0.0 | 1.608 | 0.449 |
| 19 | 7 | 4 | 7.866 | 9.113 | -9.113 | 0.0 | -1.147 | -0.176 |
| 18 | 7 | 4 | 2.438 | 0.979 | 0.979 | 0.0 | 1.459 | 0.155 |
| 16 | 7 | 4 | 19.915 | 14.747 | 14.747 | 0.0 | 5.168 | 1.810 |
| 15 | 7 | 4 | 29.465 | 26.007 | -26.007 | 0.0 | 3.459 | 1.632 |
| 14 | 7 | 4 | 8.025 | 12.592 | 12.592 | 0.0 | -4.567 | -0.745 |
| 13 | 7 | 4 | 12.135 | 13.961 | 13.961 | 0.0 | -1.826 | -0.400 |
| 12 | 7 | 4 | 19.782 | 17.963 | 17.963 | 0.0 | 1.818 | 0.586 |
| 11 | 7 | 4 | 26.236 | 26.633 | -26.633 | 0.0 | -0.398 | -0.171 |
| 10 | 7 | 4 | 19.021 | 15.302 | 15.302 | 0.0 | 2.719 | 0.972 |
| 9 | 7 | 4 | 24.201 | 21.776 | 21.776 | 0.0 | 2.505 | 1.106 |
| 8 | 7 | 4 | 22.031 | 18.489 | 18.489 | 0.0 | 3.542 | 1.564 |
| 7 | 7 | 4 | 7.730 | 1.731 | -1.731 | 0.0 | 5.999 | 1.166 |
| 6 | 7 | 4 | 16.571 | 10.970 | 10.970 | 0.0 | 5.602 | 2.116 |
| 5 | 7 | 4 | 11.765 | 12.486 | 12.486 | 0.0 | -0.721 | -0.198 |
| 3 | 7 | 4 | 11.266 | 9.355 | 9.355 | 0.0 | 2.011 | 0.506 |
| 2 | 7 | 4 | 12.433 | 1.169 | -1.169 | 0.0 | 11.454 | 3.454 * |
| 1 | 7 | 4 | 14.295 | 11.533 | 11.533 | 0.0 | 2.672 | 0.860 |
| 0 | 8 | 0 | 310.353 | 325.713 | 325.713 | 0.0 | -15.360 | -2.736 * |
| 0 | 8 | 4 | 39.939 | 39.930 | -39.930 | 0.0 | 0.109 | 0.067 |
| 1 | 8 | 4 | 18.731 | 13.178 | 13.178 | 0.0 | 5.553 | 2.133 |
| 2 | 8 | 4 | 7.230 | 3.424 | -3.424 | 0.0 | 3.906 | 0.751 |
| 3 | 8 | 4 | 14.856 | 14.555 | 14.555 | 0.0 | 0.301 | 0.088 |
| 4 | 8 | 4 | 23.067 | 25.580 | 25.580 | 0.0 | -2.513 | -0.948 |
| 5 | 8 | 4 | 6.843 | 1.214 | 1.214 | 0.0 | 5.629 | 0.976 |

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| H | K | L | F(CORS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 6 | 8 | 4 | 13.090 | 8.495 | -8.495 | 0.0 | 5.104 | 1.576 |
| 7 | 8 | 4 | 18.021 | 13.094 | -13.094 | 0.0 | 4.927 | 1.735 |
| 8 | 8 | 4 | 30.162 | 20.119 | -20.119 | 0.0 | 2.042 | 1.028 |
| 9 | 8 | 4 | 21.069 | 25.304 | 25.304 | 0.0 | -4.325 | -1.538 |
| 10 | 8 | 4 | 16.926 | 9.855 | -9.855 | 0.0 | 7.071 | 2.452 |
| 11 | 8 | 4 | 17.499 | 4.772 | -4.772 | 0.0 | 7.718 | 1.845 |
| 12 | 8 | 4 | 25.007 | 23.601 | -23.601 | 0.0 | 1.064 | 0.388 |
| 13 | 8 | 4 | 14.471 | 10.736 | -10.736 | 0.0 | 3.734 | 0.995 |
| 15 | 8 | 4 | 13.800 | 0.658 | -0.658 | 0.0 | 13.222 | 3.695 * |
| 16 | 8 | 4 | 13.909 | 13.144 | -13.144 | 0.0 | 0.765 | 0.180 |
| 0 | 6 | 0 | 308.523 | 325.713 | 325.713 | 0.0 | -17.190 | -3.093 * |
| 13 | 0 | 4 | 7.685 | 6.491 | -6.491 | 0.0 | 1.195 | 0.200 |
| 11 | 0 | 4 | 10.893 | 5.971 | -5.971 | 0.0 | 4.922 | 1.044 |
| 10 | 0 | 4 | 21.143 | 9.491 | -9.491 | 0.0 | 11.652 | 4.801 * |
| 9 | 0 | 4 | 13.288 | 12.875 | -12.875 | 0.0 | 0.309 | 0.078 |
| 8 | 0 | 4 | 11.291 | 1.948 | -1.948 | 0.0 | 5.343 | 1.144 |
| 6 | 0 | 4 | 9.710 | 5.669 | -5.669 | 0.0 | 4.041 | 0.852 |
| 4 | 0 | 4 | 8.040 | 3.545 | -3.545 | 0.0 | 4.495 | 0.815 |
| 3 | 0 | 4 | 8.716 | 11.153 | -11.153 | 0.0 | -2.537 | -0.488 |
| 2 | 0 | 4 | 14.767 | 8.810 | -8.810 | 0.0 | 5.957 | 1.782 |
| 1 | 0 | 4 | 11.573 | 5.949 | -5.949 | 0.0 | 5.624 | 1.312 |
| 0 | 10 | 4 | 7.523 | 0.482 | -0.482 | 0.0 | 7.041 | 1.212 |
| 1 | 10 | 4 | 7.301 | 9.644 | 9.644 | 0.0 | -2.343 | -0.387 |
| 2 | 10 | 4 | 12.623 | 0.945 | -0.945 | 0.0 | 2.678 | 0.622 |
| 3 | 10 | 4 | 17.755 | 16.828 | -16.828 | 0.0 | -2.926 | -0.912 |
| 4 | 10 | 4 | 9.119 | 17.877 | -17.877 | 0.0 | -8.758 | -1.435 |
| 5 | 10 | 4 | 12.004 | 17.344 | -17.344 | 0.0 | -4.441 | -0.956 |
| 6 | 10 | 4 | 19.007 | 5.373 | -5.373 | 0.0 | 13.624 | 5.262 * |
| 0 | 6 | 0 | 309.260 | 325.713 | 325.713 | 0.0 | -16.353 | -2.928 * |
| 7 | 10 | 4 | 12.749 | 5.505 | -5.505 | 0.0 | 7.044 | 1.609 |
| 8 | 11 | 4 | 18.302 | 10.655 | -10.655 | 0.0 | 7.647 | 2.450 |
| 11 | 11 | 4 | 8.523 | 1.793 | -1.793 | 0.0 | 7.740 | 1.471 |
| 6 | 11 | 4 | 10.346 | 18.154 | -18.154 | 0.0 | -7.806 | -1.390 |
| 2 | 11 | 4 | 22.371 | 27.373 | -27.373 | 0.0 | -5.001 | -1.529 |
| 1 | 11 | 4 | 21.824 | 21.672 | -21.672 | 0.0 | 0.151 | 0.050 |
| 0 | 10 | 4 | 6.030 | 1.659 | -1.659 | 0.0 | 4.371 | 0.643 |
| 2 | 10 | 5 | 24.592 | 21.307 | -21.307 | 0.0 | 3.285 | 1.282 |
| 4 | 10 | 5 | 3.458 | 3.284 | -3.284 | 0.0 | 0.174 | 0.021 |
| 5 | 10 | 5 | 13.554 | 6.460 | -6.460 | 0.0 | 7.694 | 2.027 |
| 0 | 6 | 0 | 308.893 | 325.713 | 325.713 | 0.0 | -16.820 | -3.024 * |
| 4 | 10 | 5 | 10.878 | 8.268 | -8.268 | 0.0 | 2.611 | 0.533 |
| 11 | 0 | 5 | 22.845 | 23.650 | -23.650 | 0.0 | -0.805 | -0.258 |
| 10 | 0 | 5 | 16.783 | 6.875 | -6.875 | 0.0 | 11.918 | 3.874 * |
| 5 | 0 | 5 | 28.061 | 31.533 | -31.533 | 0.0 | -2.571 | -0.980 |
| 8 | 0 | 5 | 25.608 | 28.806 | -28.806 | 0.0 | -3.118 | -1.091 |
| 7 | 0 | 5 | 17.773 | 15.136 | -15.136 | 0.0 | 2.737 | 0.812 |
| 5 | 0 | 5 | 27.613 | 26.088 | -26.088 | 0.0 | 1.525 | 0.648 |
| 4 | 0 | 5 | 6.577 | 8.247 | -8.247 | 0.0 | -1.670 | -0.244 |
| 3 | 0 | 5 | 34.758 | 33.822 | -33.822 | 0.0 | 0.936 | 0.460 |
| 1 | 8 | 5 | 19.021 | 14.781 | -14.781 | 0.0 | 3.240 | 1.090 |
| 2 | 8 | 5 | 29.442 | 41.256 | -41.256 | 0.0 | -1.614 | -0.782 |
| 3 | 8 | 5 | 40.310 | 40.058 | -40.058 | 0.0 | 0.252 | 0.141 |
| 4 | 8 | 5 | 11.026 | 8.541 | -8.541 | 0.0 | 2.465 | 0.530 |

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| H | K | L | F(OBS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA F/STGMA |
|----|---|---|---------|---------|---------|---------|---------|---------------|
| 6 | 8 | 5 | 28.181 | 30.186 | -30.186 | 0.0 | -1.995 | -0.837 |
| 7 | 8 | 5 | 17.311 | 18.042 | -18.042 | 0.0 | -0.731 | -0.226 |
| 0 | 6 | 0 | 211.133 | 325.713 | 325.713 | 0.0 | -14.580 | -2.559 |
| 0 | 8 | 5 | 40.117 | 42.024 | 42.024 | 0.0 | -1.907 | -0.744 |
| 10 | 8 | 5 | 10.804 | 3.040 | 3.040 | 0.0 | 7.764 | 1.661 |
| 11 | 8 | 5 | 38.721 | 38.159 | 38.159 | 0.0 | 1.572 | 0.847 |
| 12 | 8 | 5 | 13.392 | 7.543 | 7.543 | 0.0 | 5.849 | 1.493 |
| 13 | 8 | 5 | 11.026 | 8.981 | -8.981 | 0.0 | 2.045 | 0.574 |
| 16 | 7 | 5 | 13.476 | 4.221 | 4.221 | 0.0 | 9.255 | 2.239 |
| 15 | 7 | 5 | 6.606 | 11.553 | -11.553 | 0.0 | 4.947 | -0.714 |
| 14 | 7 | 5 | 11.056 | 3.151 | -3.151 | 0.0 | 7.904 | 1.656 |
| 13 | 7 | 5 | 10.745 | 1.362 | -1.362 | 0.0 | 9.383 | 1.928 |
| 12 | 7 | 5 | 21.809 | 17.773 | 17.773 | 0.0 | 4.036 | 1.435 |
| 11 | 7 | 5 | 14.782 | 9.184 | 9.184 | 0.0 | 5.598 | 1.532 |
| 10 | 7 | 5 | 8.616 | 2.429 | -2.429 | 0.0 | 6.187 | 1.102 |
| 0 | 7 | 5 | 8.968 | 9.964 | -9.964 | 0.0 | -1.096 | -0.200 |
| 8 | 7 | 5 | 20.285 | 20.449 | 20.449 | 0.0 | -0.164 | -0.055 |
| 6 | 7 | 5 | 7.390 | 1.359 | -1.359 | 0.0 | 5.991 | 1.069 |
| 5 | 7 | 5 | 15.832 | 6.567 | 6.567 | 0.0 | 9.264 | 3.196 |
| 4 | 7 | 5 | 20.107 | 17.370 | 17.370 | 0.0 | 2.737 | 0.785 |
| 3 | 7 | 5 | 21.557 | 23.702 | 23.702 | 0.0 | -2.145 | -0.770 |
| 0 | 6 | 0 | 310.597 | 325.713 | 325.713 | 0.0 | -15.116 | -2.693 |
| 1 | 7 | 5 | 6.325 | 1.923 | -1.923 | 0.0 | 4.402 | 0.745 |
| 1 | 6 | 5 | 9.622 | 9.008 | -9.008 | 0.0 | 0.614 | 0.133 |
| 2 | 6 | 5 | 14.930 | 13.015 | 13.015 | 0.0 | 1.915 | 0.611 |
| 3 | 6 | 5 | 9.607 | 14.668 | -14.668 | 0.0 | -5.061 | -1.025 |
| 4 | 6 | 5 | 14.752 | 1.619 | 1.619 | 0.0 | 13.133 | 4.240 |
| 9 | 6 | 5 | 12.652 | 6.780 | -6.780 | 0.0 | 5.872 | 1.539 |
| 10 | 6 | 5 | 16.542 | 8.710 | -8.710 | 0.0 | 7.831 | 2.497 |
| 11 | 6 | 5 | 7.670 | 3.742 | -3.742 | 0.0 | 3.928 | 0.656 |
| 15 | 5 | 5 | 10.272 | 3.070 | 3.070 | 0.0 | 7.202 | 1.463 |
| 16 | 6 | 5 | 4.360 | 1.521 | 1.521 | 0.0 | 2.839 | 0.359 |
| 17 | 6 | 5 | 7.903 | 8.604 | -8.604 | 0.0 | -0.801 | -0.126 |
| 0 | 6 | 0 | 310.158 | 325.713 | 325.713 | 0.0 | -15.555 | -2.781 |
| 17 | 5 | 5 | 3.251 | 1.793 | 1.793 | 0.0 | 1.459 | 0.165 |
| 15 | 5 | 5 | 11.765 | 8.618 | 8.618 | 0.0 | 3.147 | 0.696 |
| 13 | 5 | 5 | 22.431 | 22.183 | -22.183 | 0.0 | 0.247 | 0.088 |
| 12 | 5 | 5 | 23.087 | 24.188 | 24.188 | 0.0 | -1.092 | -0.394 |
| 11 | 5 | 5 | 19.308 | 13.801 | -13.801 | 0.0 | 5.507 | 2.164 |
| 10 | 5 | 5 | 13.180 | 5.319 | 5.319 | 0.0 | 7.861 | 2.184 |
| 9 | 5 | 5 | 22.209 | 21.426 | 21.426 | 0.0 | 0.783 | 0.315 |
| 8 | 5 | 5 | 8.070 | 5.606 | 5.606 | 0.0 | 2.464 | 0.462 |
| 7 | 5 | 5 | 38.617 | 35.320 | 35.320 | 0.0 | 3.297 | 2.075 |
| 6 | 5 | 5 | 12.874 | 9.738 | -9.738 | 0.0 | 3.137 | 0.880 |
| 5 | 5 | 5 | 25.273 | 24.312 | -24.312 | 0.0 | 0.962 | 0.461 |
| 4 | 5 | 5 | 11.233 | 6.572 | 6.572 | 0.0 | 4.661 | 1.236 |
| 3 | 5 | 5 | 20.181 | 11.920 | -11.920 | 0.0 | 8.261 | 3.511 |
| 2 | 5 | 5 | 9.400 | 5.599 | 5.599 | 0.0 | 3.801 | 0.905 |
| 1 | 5 | 5 | 23.659 | 22.613 | 22.613 | 0.0 | 1.046 | 0.404 |
| 0 | 4 | 5 | 7.759 | 8.493 | -8.493 | 0.0 | -0.734 | -0.153 |
| 1 | 4 | 5 | 12.505 | 3.416 | -3.416 | 0.0 | 9.089 | 2.955 |
| 0 | 6 | 0 | 309.883 | 325.713 | 325.713 | 0.0 | -15.730 | -2.813 |
| 2 | 4 | 5 | 34.002 | 40.211 | 40.211 | 0.0 | -6.209 | -3.220 |

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| N | K | I | F(PRS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 3 | 4 | 5 | 29.589 | 32.997 | -32.997 | 0.0 | -3.398 | -1.626 |
| 4 | 4 | 5 | 13.643 | 15.074 | 15.074 | 0.0 | -1.431 | -0.412 |
| 6 | 4 | 5 | 13.598 | 19.941 | 19.841 | 0.0 | -5.844 | -1.526 |
| 7 | 4 | 5 | 10.331 | 5.386 | -5.386 | 0.0 | 4.945 | 1.212 |
| 9 | 4 | 5 | 26.724 | 23.661 | -23.961 | 0.0 | 2.763 | 1.296 |
| 10 | 4 | 5 | 0.623 | 3.712 | 3.712 | 0.0 | 5.821 | 1.367 |
| 11 | 4 | 5 | 24.455 | 26.120 | -26.120 | 0.0 | -1.661 | -0.710 |
| 15 | 4 | 5 | 7.419 | 1.925 | 1.925 | 0.0 | 5.494 | 0.907 |
| 16 | 4 | 5 | 11.573 | 0.601 | -0.601 | 0.0 | 10.972 | 2.348 * |
| 17 | 4 | 5 | 6.843 | 20.495 | -20.495 | 0.0 | -13.652 | -1.836 * |
| 18 | 4 | 5 | 23.644 | 19.686 | -19.686 | 0.0 | 3.958 | 1.469 |
| 19 | 4 | 5 | 5.498 | 0.413 | 0.413 | 0.0 | 5.085 | 0.698 |
| 20 | 3 | 5 | 16.187 | 15.205 | 15.205 | 0.0 | -0.982 | 0.275 |
| 19 | 3 | 5 | 13.347 | 18.235 | -18.235 | 0.0 | -4.888 | -1.109 |
| 0 | 3 | 0 | 311.641 | 325.713 | 325.713 | 0.0 | -14.072 | -2.493 * |
| 19 | 3 | 5 | 5.009 | 6.857 | 6.857 | 0.0 | -1.759 | -0.228 |
| 17 | 3 | 5 | 44.501 | 47.159 | 47.159 | 0.0 | -2.658 | -1.375 |
| 16 | 3 | 5 | 37.311 | 37.941 | -37.941 | 0.0 | -0.631 | -0.317 |
| 15 | 3 | 5 | 30.655 | 29.469 | 29.469 | 0.0 | 1.227 | 0.591 |
| 13 | 3 | 5 | 26.265 | 23.031 | -23.031 | 0.0 | 3.235 | 1.560 |
| 12 | 3 | 5 | 50.032 | 48.611 | -48.611 | 0.0 | 2.321 | 1.403 |
| 11 | 3 | 5 | 71.375 | 69.915 | -69.915 | 0.0 | 1.460 | 0.953 |
| 10 | 3 | 5 | 18.716 | 18.089 | 18.089 | 0.0 | 0.627 | 0.224 |
| 9 | 3 | 5 | 86.950 | 86.316 | 86.316 | 0.0 | 0.674 | 0.408 |
| 8 | 3 | 5 | 51.667 | 52.266 | -52.266 | 0.0 | -0.605 | -0.394 |
| 7 | 3 | 5 | 59.078 | 59.485 | 59.485 | 0.0 | -0.408 | -0.287 |
| 6 | 3 | 5 | 10.923 | 11.861 | -11.861 | 0.0 | -0.938 | -0.228 |
| 5 | 3 | 5 | 73.203 | 80.326 | -80.326 | 0.0 | -2.123 | -1.368 |
| 4 | 3 | 5 | 12.061 | 7.766 | 7.766 | 0.0 | 4.295 | 1.196 |
| 3 | 3 | 5 | 91.429 | 90.251 | -90.251 | 0.0 | 1.179 | 0.713 |
| 2 | 3 | 5 | 16.024 | 16.556 | 16.556 | 0.0 | -0.532 | -0.193 |
| 1 | 3 | 5 | 30.662 | 32.940 | 32.940 | 0.0 | -2.378 | -1.263 |
| 0 | 2 | 0 | 8.084 | 1.060 | 1.060 | 0.0 | 7.024 | 1.622 |
| 1 | 2 | 0 | 25.954 | 25.986 | 25.986 | 0.0 | -0.032 | -0.018 |
| 0 | 2 | 0 | 308.495 | 325.713 | 325.713 | 0.0 | -17.229 | -3.100 * |
| 2 | 2 | 5 | 58.749 | 56.564 | -56.564 | 0.0 | 2.185 | 1.556 |
| 3 | 2 | 5 | 62.074 | 63.714 | 63.714 | 0.0 | -1.646 | -1.749 |
| 5 | 2 | 5 | 40.412 | 47.647 | -47.647 | 0.0 | 1.766 | 1.235 |
| 6 | 2 | 5 | 12.978 | 16.233 | -16.233 | 0.0 | -3.255 | -0.888 |
| 7 | 2 | 5 | 25.184 | 23.478 | -23.478 | 0.0 | 1.707 | 0.893 |
| 9 | 2 | 5 | 58.325 | 58.048 | 58.048 | 0.0 | -0.277 | -0.350 |
| 10 | 2 | 5 | 7.270 | 5.624 | -5.624 | 0.0 | 3.746 | 0.871 |
| 11 | 2 | 5 | 56.194 | 57.604 | -57.604 | 0.0 | -1.408 | -0.916 |
| 12 | 2 | 5 | 2.512 | 6.341 | 6.341 | 0.0 | -3.828 | -0.459 |
| 13 | 2 | 5 | 8.646 | 10.866 | -10.866 | 0.0 | -2.220 | -0.447 |
| 14 | 2 | 5 | 13.451 | 10.900 | 10.900 | 0.0 | 2.551 | 0.644 |
| 15 | 2 | 5 | 12.126 | 17.131 | -17.131 | 0.0 | -4.006 | -0.957 |
| 17 | 2 | 5 | 32.667 | 32.866 | 32.866 | 0.0 | -0.199 | -0.094 |
| 18 | 2 | 5 | 21.372 | 15.954 | 15.954 | 0.0 | 5.618 | 2.109 |
| 19 | 2 | 5 | 13.480 | 9.994 | 9.994 | 0.0 | 3.487 | 0.851 |
| 0 | 1 | 0 | 308.418 | 325.713 | 325.713 | 0.0 | -16.295 | -2.917 * |
| 21 | 1 | 5 | 9.163 | 9.037 | -9.037 | 0.0 | 0.127 | 0.023 |
| 20 | 1 | 5 | 8.463 | 6.339 | 6.339 | 0.0 | 2.145 | 0.369 |

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| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 19 | 1 | 5 | 9.104 | 3.385 | -3.385 | 0.0 | 5.719 | 1.054 |
| 17 | 1 | 5 | 7.212 | 7.998 | -7.998 | 0.0 | -0.786 | -0.125 |
| 16 | 1 | 5 | 11.499 | 8.640 | 8.640 | 0.0 | 2.859 | 0.649 |
| 14 | 1 | 5 | 12.401 | 4.270 | -4.270 | 0.0 | 8.131 | 2.157 |
| 13 | 1 | 5 | 20.077 | 18.245 | -18.245 | 0.0 | 1.833 | 0.716 |
| 12 | 1 | 5 | 32.815 | 33.865 | 33.865 | 0.0 | -1.050 | -0.562 |
| 11 | 1 | 5 | 5.749 | 2.696 | -2.696 | 0.0 | 3.053 | 0.513 |
| 10 | 1 | 5 | 5.475 | 2.814 | 2.814 | 0.0 | 2.661 | 0.495 |
| 9 | 1 | 5 | 11.024 | 8.643 | 8.643 | 0.0 | 2.382 | 0.878 |
| 8 | 1 | 5 | 17.917 | 16.571 | -16.571 | 0.0 | 1.346 | 0.503 |
| 7 | 1 | 5 | 31.214 | 30.396 | 30.396 | 0.0 | 0.818 | 0.484 |
| 6 | 1 | 5 | 13.421 | 11.835 | -11.835 | 0.0 | 1.586 | 0.521 |
| 5 | 1 | 5 | 8.217 | 10.571 | -10.571 | 0.0 | -2.353 | -0.505 |
| 4 | 1 | 5 | 16.349 | 14.546 | 14.546 | 0.0 | 1.803 | 0.645 |
| 3 | 1 | 5 | 10.656 | 0.144 | 0.144 | 0.0 | 1.513 | 0.403 |
| 2 | 1 | 5 | 8.484 | 6.934 | -6.934 | 0.0 | 1.549 | 0.366 |
| 0 | 6 | 0 | 310.177 | 325.713 | 325.713 | 0.0 | -15.536 | -2.778 |
| 1 | 1 | 5 | 14.634 | 12.423 | 12.423 | 0.0 | 2.211 | 0.787 |
| 0 | 0 | 6 | 118.193 | 113.427 | -113.427 | 0.0 | 4.756 | 2.317 |
| 1 | 0 | 6 | 66.492 | 65.103 | -65.103 | 0.0 | -0.611 | -0.388 |
| 2 | 0 | 6 | 13.451 | 5.330 | 5.330 | 0.0 | 8.121 | 2.441 |
| 3 | 0 | 6 | 37.370 | 40.749 | -40.749 | 0.0 | -3.379 | -1.913 |
| 4 | 0 | 6 | 25.229 | 25.242 | 25.242 | 0.0 | -0.014 | -0.007 |
| 5 | 0 | 6 | 24.133 | 24.172 | 24.172 | 0.0 | -0.039 | -0.016 |
| 6 | 0 | 6 | 42.562 | 31.187 | -31.187 | 0.0 | 3.375 | 0.604 |
| 7 | 0 | 6 | 58.122 | 58.912 | 58.912 | 0.0 | -0.790 | -0.495 |
| 8 | 0 | 6 | 51.423 | 52.919 | -52.919 | 0.0 | -1.496 | -0.938 |
| 9 | 0 | 6 | 15.063 | 11.087 | -11.087 | 0.0 | 3.976 | 1.211 |
| 10 | 0 | 6 | 16.526 | 12.528 | 12.528 | 0.0 | 4.399 | 1.451 |
| 11 | 0 | 6 | 16.483 | 8.459 | -8.459 | 0.0 | 8.023 | 2.620 |
| 12 | 0 | 6 | 43.579 | 43.121 | 43.121 | 0.0 | 0.458 | 0.239 |
| 13 | 0 | 6 | 48.910 | 48.970 | 48.970 | 0.0 | -0.660 | -0.360 |
| 15 | 0 | 6 | 46.256 | 46.295 | 46.295 | 0.0 | -0.039 | -0.021 |
| 16 | 0 | 6 | 20.368 | 24.746 | -24.746 | 0.0 | -4.357 | -1.280 |
| 17 | 0 | 6 | 12.978 | 3.883 | -3.883 | 0.0 | 9.094 | 2.158 |
| 17 | 1 | 6 | 4.877 | 3.869 | 3.869 | 0.0 | 1.008 | 0.126 |
| 0 | 6 | 0 | 308.368 | 325.713 | 325.713 | 0.0 | -17.345 | -3.121 |
| 16 | 1 | 6 | 0.451 | 11.723 | 11.723 | 0.0 | -2.072 | -0.371 |
| 15 | 1 | 6 | 11.307 | 12.670 | -12.670 | 0.0 | -1.363 | -0.272 |
| 14 | 1 | 6 | 47.893 | 47.734 | -47.734 | 0.0 | 0.219 | 0.127 |
| 13 | 1 | 6 | 29.134 | 31.379 | 31.379 | 0.0 | -2.240 | -0.900 |
| 12 | 1 | 6 | 8.483 | 7.843 | 7.843 | 0.0 | 0.640 | 0.123 |
| 9 | 1 | 6 | 12.076 | 6.644 | -6.644 | 0.0 | 5.432 | 1.381 |
| 7 | 1 | 6 | 29.806 | 29.472 | -29.472 | 0.0 | 0.335 | 0.157 |
| 6 | 1 | 6 | 41.766 | 38.859 | -38.859 | 0.0 | 2.907 | 1.672 |
| 5 | 1 | 6 | 17.043 | 6.767 | -6.767 | 0.0 | 11.076 | 4.328 |
| 4 | 1 | 6 | 6.281 | 9.646 | -9.646 | 0.0 | -3.365 | -0.545 |
| 3 | 1 | 6 | 8.439 | 3.955 | 3.955 | 0.0 | 4.484 | 0.939 |
| 2 | 1 | 6 | 25.392 | 27.264 | 27.264 | 0.0 | -1.873 | -0.790 |
| 1 | 1 | 6 | 33.423 | 33.490 | -33.490 | 0.0 | -0.067 | -0.037 |
| 0 | 2 | 6 | 8.571 | 1.278 | -1.278 | 0.0 | 7.693 | 1.684 |
| 1 | 2 | 6 | 6.724 | 7.099 | -7.099 | 0.0 | -0.373 | -0.065 |
| 2 | 2 | 6 | 9.193 | 11.821 | 11.821 | 0.0 | -2.628 | -0.537 |

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| H | K | I | F(CALC) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 3 | 2 | 6 | 70.214 | 23.446 | -23.446 | 0.0 | -3.132 | -1.157 |
| 0 | 6 | 0 | 309.107 | 325.713 | 325.713 | 0.0 | -16.606 | -2.974 * |
| 4 | 2 | 6 | 28.665 | 24.116 | 24.116 | 0.0 | 4.549 | 2.344 |
| 6 | 2 | 6 | 9.740 | 11.058 | -11.058 | 0.0 | -1.319 | -0.273 |
| 8 | 2 | 6 | 7.463 | 3.694 | 3.694 | 0.0 | 3.770 | 0.673 |
| 10 | 2 | 6 | 3.916 | 2.994 | -0.994 | 0.0 | -6.078 | -0.752 |
| 11 | 2 | 6 | 18.775 | 18.232 | -18.232 | 0.0 | -0.557 | -0.170 |
| 12 | 2 | 6 | 8.779 | 8.943 | 8.943 | 0.0 | -0.164 | -0.030 |
| 14 | 2 | 6 | 12.342 | 16.710 | -16.710 | 0.0 | -4.368 | -0.846 |
| 17 | 2 | 6 | 13.056 | 11.233 | -11.233 | 0.0 | 1.833 | 0.399 |
| 16 | 3 | 6 | 4.803 | 5.084 | -5.084 | 0.0 | -0.280 | -0.036 |
| 15 | 3 | 6 | 9.981 | 0.427 | 0.427 | 0.0 | 9.565 | 1.859 |
| 12 | 3 | 6 | 1.365 | 4.781 | -4.781 | 0.0 | -3.437 | -0.331 |
| 11 | 3 | 6 | 4.759 | 6.569 | 6.569 | 0.0 | -1.810 | -0.247 |
| 0 | 6 | 0 | 310.236 | 325.713 | 325.713 | 0.0 | -15.477 | -2.767 * |
| 10 | 3 | 6 | 7.153 | 3.542 | 3.542 | 0.0 | -3.611 | -0.602 |
| 9 | 3 | 6 | 12.678 | 4.195 | 4.195 | 0.0 | 8.783 | 2.367 |
| 6 | 3 | 6 | 14.308 | 10.584 | -10.584 | 0.0 | 3.724 | 1.086 |
| 5 | 3 | 6 | 17.474 | 2.451 | 2.451 | 0.0 | 15.022 | 6.045 * |
| 4 | 3 | 6 | 14.604 | 10.768 | 10.768 | 0.0 | 3.837 | 1.190 |
| 2 | 3 | 6 | 13.525 | 2.381 | 2.381 | 0.0 | 11.144 | 3.555 * |
| 1 | 3 | 6 | 13.185 | 6.177 | -6.177 | 0.0 | 7.007 | 2.017 |
| 0 | 4 | 6 | 30.947 | 29.959 | -29.959 | 0.0 | 0.997 | 0.542 |
| 3 | 4 | 6 | 21.042 | 24.075 | -24.075 | 0.0 | -2.133 | -0.810 |
| 4 | 4 | 6 | 9.271 | 11.741 | -11.741 | 0.0 | -2.400 | -0.456 |
| 7 | 4 | 6 | 4.015 | 10.441 | -10.441 | 0.0 | -4.426 | -0.649 |
| 7 | 4 | 6 | 15.166 | 7.214 | 7.214 | 0.0 | 7.953 | 2.411 |
| 0 | 6 | 0 | 310.139 | 325.713 | 325.713 | 0.0 | -15.574 | -2.785 * |
| 11 | 4 | 6 | 20.581 | 4.174 | -4.174 | 0.0 | 16.407 | 7.200 * |
| 13 | 4 | 6 | 10.139 | 7.428 | -7.428 | 0.0 | 2.711 | 0.511 |
| 15 | 4 | 6 | 2.498 | 0.828 | -0.828 | 0.0 | 1.670 | 0.176 |
| 14 | 4 | 6 | 40.285 | 38.900 | -38.900 | 0.0 | 1.385 | 0.712 |
| 13 | 5 | 6 | 32.712 | 32.410 | -32.410 | 0.0 | 0.302 | 0.127 |
| 12 | 5 | 6 | 3.665 | 0.210 | 0.210 | 0.0 | 3.455 | 0.407 |
| 11 | 5 | 6 | 11.854 | 10.459 | -10.459 | 0.0 | 1.396 | 0.327 |
| 10 | 5 | 6 | 5.379 | 3.668 | 3.668 | 0.0 | 1.711 | 0.233 |
| 9 | 5 | 6 | 12.357 | 4.432 | 4.432 | 0.0 | 7.924 | 1.970 |
| 8 | 5 | 6 | 14.397 | 9.838 | -9.838 | 0.0 | 4.556 | 1.233 |
| 7 | 5 | 6 | 28.794 | 27.233 | -27.233 | 0.0 | 1.560 | 0.737 |
| 6 | 5 | 6 | 50.038 | 50.137 | -50.137 | 0.0 | -0.099 | -0.060 |
| 5 | 5 | 6 | 21.232 | 23.180 | -23.180 | 0.0 | -1.948 | -0.636 |
| 2 | 5 | 6 | 24.355 | 26.333 | -26.333 | 0.0 | -1.978 | -0.791 |
| 0 | 6 | 0 | 310.314 | 325.713 | 325.713 | 0.0 | -15.399 | -2.743 * |
| 1 | 6 | 6 | 46.792 | 48.636 | 48.636 | 0.0 | -1.844 | -1.087 |
| 0 | 6 | 6 | 79.861 | 81.573 | -81.573 | 0.0 | -1.712 | -0.962 |
| 1 | 6 | 6 | 37.657 | 40.122 | -40.122 | 0.0 | -2.425 | -1.228 |
| 2 | 6 | 6 | 14.501 | 12.579 | 12.579 | 0.0 | 1.922 | 0.500 |
| 3 | 6 | 6 | 18.578 | 12.211 | -12.211 | 0.0 | 6.267 | 2.225 |
| 4 | 6 | 6 | 4.020 | 7.709 | -7.709 | 0.0 | -3.690 | -0.458 |
| 5 | 6 | 6 | 19.247 | 20.965 | 20.965 | 0.0 | -1.716 | -0.515 |
| 6 | 6 | 6 | 3.429 | 4.454 | -4.454 | 0.0 | -1.525 | -0.182 |
| 7 | 6 | 6 | 42.182 | 38.167 | -38.167 | 0.0 | 4.015 | 2.456 |
| 8 | 6 | 6 | 25.066 | 23.736 | -23.736 | 0.0 | 1.329 | 0.483 |

| H | K | I | F(ORR) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 10 | 6 | 6 | 9.710 | 2.513 | -2.513 | 0.0 | 7.197 | 1.375 |
| 11 | 6 | 6 | 12.357 | 6.797 | -6.797 | 0.0 | 5.559 | 1.221 |
| 12 | 6 | 6 | 35.856 | 31.721 | 31.721 | 0.0 | 4.136 | 2.161 |
| 13 | 6 | 6 | 30.117 | 28.534 | 28.534 | 0.0 | 1.584 | 0.660 |
| 10 | 7 | 6 | 14.663 | 17.450 | -17.450 | 0.0 | -2.787 | -0.629 |
| 9 | 7 | 6 | 15.092 | 9.285 | 9.285 | 0.0 | 5.808 | 1.577 |
| 7 | 7 | 6 | 13.658 | 6.932 | -6.932 | 0.0 | 3.726 | 0.893 |
| 0 | 8 | 6 | 210.197 | 325.713 | 325.713 | 0.0 | -15.516 | -2.774 * |
| 6 | 7 | 6 | 17.790 | 20.357 | -20.357 | 0.0 | -2.517 | -0.711 |
| 5 | 7 | 6 | 13.495 | 5.256 | -5.256 | 0.0 | 9.240 | 2.079 |
| 3 | 7 | 6 | 6.680 | 13.277 | -13.277 | 0.0 | -6.596 | -0.940 |
| 1 | 7 | 6 | 8.809 | 10.016 | -10.016 | 0.0 | -1.207 | -0.209 |
| 0 | 8 | 6 | 15.625 | 3.375 | -3.375 | 0.0 | 12.250 | 3.565 * |
| 1 | 8 | 6 | 14.249 | 7.446 | -7.446 | 0.0 | 6.804 | 1.710 |
| 3 | 8 | 6 | 20.669 | 10.266 | -10.266 | 0.0 | 1.403 | 0.447 |
| 4 | 8 | 6 | 22.238 | 22.339 | 22.339 | 0.0 | -0.101 | -0.032 |
| 5 | 8 | 6 | 11.721 | 4.034 | 4.034 | 0.0 | 7.687 | 1.727 |
| 6 | 8 | 6 | 7.050 | 2.417 | -2.417 | 0.0 | 4.633 | 0.711 |
| 7 | 8 | 6 | 10.652 | 7.039 | -7.039 | 0.0 | 3.013 | 0.781 |
| 0 | 6 | 7 | 6.030 | 5.421 | 5.421 | 0.0 | 0.609 | 0.085 |
| 2 | 6 | 7 | 15.787 | 1.927 | 1.927 | 0.0 | 13.860 | 4.165 * |
| 7 | 5 | 7 | 12.578 | 6.951 | 6.951 | 0.0 | 5.627 | 1.255 |
| 6 | 5 | 7 | 22.865 | 17.483 | -17.483 | 0.0 | 5.362 | 2.001 |
| 0 | 5 | 0 | 309.262 | 325.713 | 325.713 | 0.0 | -16.451 | -2.946 * |
| 5 | 5 | 7 | 15.554 | 11.520 | -11.520 | 0.0 | 4.034 | 1.310 |
| 3 | 5 | 7 | 12.238 | 0.487 | -0.487 | 0.0 | 11.752 | 2.713 * |
| 2 | 5 | 7 | 19.478 | 16.681 | 16.681 | 0.0 | 3.197 | 1.044 |
| 1 | 4 | 7 | 19.145 | 18.581 | 18.581 | 0.0 | 0.565 | 0.171 |
| 2 | 4 | 7 | 12.815 | 6.969 | -6.969 | 0.0 | 5.847 | 1.397 |
| 4 | 4 | 7 | 21.513 | 19.659 | -19.659 | 0.0 | 1.854 | 0.599 |
| 5 | 4 | 7 | 16.434 | 21.875 | 21.875 | 0.0 | -5.437 | -1.299 |
| 6 | 4 | 7 | 14.560 | 1.099 | -1.099 | 0.0 | 12.571 | 3.513 * |
| 7 | 4 | 7 | 16.497 | 10.888 | 10.888 | 0.0 | 5.610 | 1.614 |
| 8 | 4 | 7 | 16.882 | 12.741 | 12.741 | 0.0 | 4.141 | 1.233 |
| 9 | 4 | 7 | 7.286 | 8.154 | 8.154 | 0.0 | -0.868 | -0.128 |
| 11 | 3 | 7 | 35.040 | 36.738 | -36.738 | 0.0 | -1.699 | -0.725 |
| 10 | 3 | 7 | 53.028 | 53.047 | 53.047 | 0.0 | 0.080 | 0.476 |
| 9 | 3 | 7 | 10.050 | 10.536 | 10.536 | 0.0 | -0.486 | -0.087 |
| 7 | 3 | 7 | 8.163 | 7.280 | -7.280 | 0.0 | 0.863 | 0.138 |
| 0 | 6 | 0 | 307.824 | 325.713 | 325.713 | 0.0 | -17.889 | -3.222 * |
| 6 | 3 | 7 | 37.698 | 37.317 | -37.317 | 0.0 | 0.291 | 0.145 |
| 5 | 3 | 7 | 17.644 | 12.710 | 12.710 | 0.0 | 4.734 | 1.416 |
| 4 | 3 | 7 | 5.503 | 2.717 | -2.717 | 0.0 | 6.787 | 1.327 |
| 3 | 3 | 7 | 14.974 | 12.557 | 12.557 | 0.0 | 2.417 | 0.612 |
| 2 | 3 | 7 | 51.155 | 55.719 | 55.719 | 0.0 | -4.564 | -2.412 |
| 1 | 3 | 7 | 31.066 | 29.094 | 29.094 | 0.0 | 1.972 | 0.650 |
| 0 | 2 | 7 | 20.051 | 19.291 | -19.291 | 0.0 | 1.659 | 0.641 |
| 1 | 2 | 7 | 21.084 | 20.646 | -20.646 | 0.0 | 0.438 | 0.151 |
| 3 | 2 | 7 | 14.656 | 16.295 | 16.295 | 0.0 | -1.639 | -0.447 |
| 4 | 2 | 7 | 43.356 | 42.971 | 42.971 | 0.0 | 0.386 | 0.214 |
| 5 | 2 | 7 | 21.306 | 23.130 | -23.130 | 0.0 | -1.824 | -0.565 |
| 7 | 2 | 7 | 7.759 | 10.350 | -10.350 | 0.0 | -2.591 | -0.421 |
| 8 | 2 | 7 | 27.628 | 29.396 | -29.396 | 0.0 | -1.768 | -0.686 |

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| H | K | I | F(DRS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 9 | 2 | 7 | 1.271 | 0.072 | -0.072 | 0.0 | -7.901 | -0.722 |
| 10 | 2 | 7 | 12.697 | 1.277 | -1.277 | 0.0 | 11.420 | 2.788 * |
| 11 | 2 | 7 | 15.294 | 16.867 | -16.867 | 0.0 | -2.573 | -0.545 |
| 12 | 2 | 7 | 22.223 | 24.363 | -24.363 | 0.0 | -2.140 | -0.710 |
| 12 | 1 | 7 | 14.204 | 0.076 | -0.076 | 0.0 | 14.217 | 3.561 * |
| 0 | 6 | 0 | 309.503 | 325.713 | -325.713 | 0.0 | -16.120 | -2.885 * |
| 10 | 1 | 7 | 17.651 | 6.078 | -6.078 | 0.0 | 11.573 | 4.054 * |
| 8 | 1 | 7 | 11.041 | 4.228 | -4.228 | 0.0 | 6.813 | 1.445 |
| 7 | 1 | 7 | 6.754 | 3.207 | -3.207 | 0.0 | 3.547 | 0.554 |
| 6 | 1 | 7 | 15.388 | 4.937 | -4.937 | 0.0 | 10.451 | 2.944 * |
| 5 | 1 | 7 | 10.667 | 11.987 | -11.987 | 0.0 | -1.020 | -0.213 |
| 4 | 1 | 7 | 14.062 | 2.119 | -2.119 | 0.0 | 11.923 | 3.264 * |
| 2 | 1 | 7 | 4.995 | 7.452 | -7.452 | 0.0 | -2.457 | -0.332 |
| 1 | 1 | 7 | 17.917 | 12.239 | -12.239 | 0.0 | 5.679 | 1.979 |

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| U | K | I | F(CORR) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DPLTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 0 | 6 | 0 | 298.303 | 310.330 | 310.330 | 0.0 | -12.027 | -2.249 |
| 4 | 0 | 0 | 174.807 | 170.944 | -170.944 | 0.0 | -5.047 | -1.801 |
| 8 | 0 | 0 | 98.261 | 10.888 | -10.888 | 0.0 | -1.327 | -0.573 |
| 10 | 0 | 0 | 11.838 | 6.902 | 6.902 | 0.0 | -12.745 | -3.056 |
| 12 | 0 | 0 | 253.714 | 250.550 | -250.550 | 0.0 | 4.846 | 2.232 |
| 14 | 0 | 0 | 16.025 | 13.389 | -13.389 | 0.0 | 3.145 | 0.728 |
| 16 | 0 | 0 | 131.728 | 132.956 | 132.956 | 0.0 | 4.644 | 2.030 |
| 20 | 0 | 0 | 127.058 | 127.377 | -127.377 | 0.0 | -1.229 | -0.566 |
| 20 | 1 | 0 | 5.409 | 1.445 | -1.445 | 0.0 | -0.319 | -0.149 |
| 18 | 1 | 0 | 42.158 | 41.426 | -41.426 | 0.0 | 4.054 | 0.680 |
| 16 | 1 | 0 | 8.482 | 2.475 | -2.475 | 0.0 | 0.732 | 0.508 |
| 14 | 1 | 0 | 120.268 | 120.260 | -120.260 | 0.0 | 6.207 | 1.474 |
| 12 | 1 | 0 | 7.488 | 2.307 | -2.307 | 0.0 | 0.128 | 0.064 |
| 10 | 1 | 0 | 50.246 | 48.151 | -48.151 | 0.0 | 5.690 | 1.438 |
| 8 | 1 | 0 | 5.739 | 5.548 | -5.548 | 0.0 | 1.195 | 1.154 |
| 6 | 1 | 0 | 248.894 | 257.450 | 257.450 | 0.0 | 4.191 | 2.194 |
| 4 | 1 | 0 | 11.852 | 6.296 | -6.296 | 0.0 | -8.555 | -2.924 |
| 2 | 1 | 0 | 93.831 | 86.922 | -86.922 | 0.0 | 5.556 | 3.367 |
| 0 | 2 | 0 | 2.462 | 5.155 | -5.155 | 0.0 | -2.991 | -2.297 |
| 0 | 6 | 0 | 298.662 | 310.330 | 310.330 | 0.0 | -6.503 | -1.582 |
| 2 | 2 | 0 | 6.940 | 1.762 | -1.762 | 0.0 | -11.688 | -2.194 |
| 4 | 2 | 0 | 192.050 | 198.828 | -198.828 | 0.0 | 4.287 | -1.874 |
| 6 | 2 | 0 | 10.478 | 8.481 | -8.481 | 0.0 | -6.770 | -2.175 |
| 8 | 2 | 0 | 76.865 | 80.115 | -80.115 | 0.0 | 0.597 | 0.313 |
| 12 | 2 | 0 | 10.955 | 9.834 | -9.834 | 0.0 | -0.270 | -0.190 |
| 14 | 2 | 0 | 4.801 | 4.990 | -4.990 | 0.0 | 1.121 | 0.357 |
| 16 | 2 | 0 | 61.015 | 60.935 | -60.935 | 0.0 | -0.099 | -0.017 |
| 18 | 2 | 0 | 11.707 | 7.899 | -7.899 | 0.0 | 0.080 | 0.360 |
| 20 | 2 | 0 | 10.495 | 8.763 | -8.763 | 0.0 | 3.808 | 1.175 |
| 20 | 3 | 0 | 4.401 | 2.521 | -2.521 | 0.0 | 1.642 | 0.604 |
| 18 | 3 | 0 | 5.310 | 7.993 | -7.993 | 0.0 | -2.031 | -0.327 |
| 14 | 3 | 0 | 43.468 | 43.763 | -43.763 | 0.0 | 2.031 | -0.467 |
| 10 | 3 | 0 | 2.518 | 5.044 | -5.044 | 0.0 | -2.682 | -0.207 |
| 8 | 3 | 0 | 10.188 | 6.136 | -6.136 | 0.0 | -6.526 | -1.809 |
| 6 | 3 | 0 | 42.361 | 40.241 | -40.241 | 0.0 | 4.052 | 1.656 |
| 4 | 3 | 0 | 8.073 | 10.543 | -10.543 | 0.0 | 2.120 | 2.276 |
| 2 | 3 | 0 | 52.082 | 51.846 | -51.846 | 0.0 | -1.470 | -0.664 |
| 0 | 6 | 0 | 298.585 | 310.330 | 310.330 | 0.0 | 0.236 | 0.245 |
| 0 | 4 | 0 | 24.933 | 24.511 | -24.511 | 0.0 | -11.744 | -2.195 |
| 4 | 4 | 0 | 58.469 | 58.295 | -58.295 | 0.0 | 0.422 | 0.383 |
| 6 | 4 | 0 | 8.089 | 3.330 | -3.330 | 0.0 | -1.626 | -1.566 |
| 8 | 4 | 0 | 64.654 | 64.024 | -64.024 | 0.0 | 4.759 | 1.522 |
| 10 | 4 | 0 | 20.360 | 21.949 | -21.949 | 0.0 | 0.670 | 0.544 |
| 12 | 4 | 0 | 11.717 | 14.302 | -14.302 | 0.0 | -1.089 | -0.601 |
| 14 | 4 | 0 | 37.774 | 37.395 | -37.395 | 0.0 | -2.985 | -0.819 |
| 20 | 4 | 0 | 46.074 | 45.063 | -45.063 | 0.0 | 0.080 | 0.091 |
| 18 | 5 | 0 | 40.950 | 40.203 | -40.203 | 0.0 | 1.011 | 0.680 |
| 14 | 5 | 0 | 6.613 | 3.809 | -3.809 | 0.0 | 0.747 | 0.446 |
| 14 | 5 | 0 | 171.067 | 169.468 | -169.468 | 0.0 | 2.804 | 0.537 |
| 12 | 5 | 0 | 11.548 | 6.213 | -6.213 | 0.0 | 1.599 | 0.566 |
| 10 | 5 | 0 | 20.889 | 17.695 | -17.695 | 0.0 | 5.236 | 1.536 |
| 8 | 5 | 0 | 6.642 | 8.464 | -8.464 | 0.0 | 3.190 | 1.631 |
| | | | | | | | -1.823 | -0.408 |

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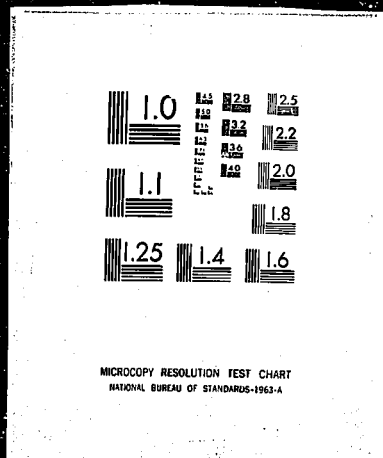
Find cycle

| H | K | I | F (EXP) | F (CALC) | A (CALC) | B (CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|----------|----------|----------|---------|-------------|
| 6 | 5 | 0 | 133.748 | 126.783 | -124.783 | 0.0 | -1.035 | -0.479 |
| 2 | 5 | 0 | 190.015 | 198.036 | 198.036 | 0.0 | -7.122 | -2.288 |
| 0 | 6 | 0 | 297.300 | 310.330 | 310.330 | 0.0 | -12.930 | -2.430 |
| 0 | 6 | 0 | 247.889 | 310.330 | 310.330 | 0.0 | -12.441 | -2.336 |
| 2 | 6 | 0 | 0.406 | 7.043 | 7.043 | 0.0 | 2.363 | 0.680 |
| 4 | 6 | 0 | 70.361 | 74.015 | -74.015 | 0.0 | -3.654 | -2.701 |
| 8 | 6 | 0 | 111.973 | 111.973 | 111.973 | 0.0 | -0.029 | -0.016 |
| 10 | 6 | 0 | 5.352 | 5.179 | -5.179 | 0.0 | 4.212 | 1.007 |
| 12 | 6 | 0 | 97.422 | 95.984 | -95.984 | 0.0 | 1.438 | 0.853 |
| 14 | 6 | 0 | 14.053 | 11.032 | -11.032 | 0.0 | 3.061 | 1.481 |
| 16 | 6 | 0 | 52.009 | 48.319 | 46.319 | 0.0 | 3.690 | 2.580 |
| 16 | 7 | 0 | 0.752 | 8.782 | -8.782 | 0.0 | -8.030 | -0.828 |
| 14 | 7 | 0 | 52.929 | 52.296 | 52.296 | 0.0 | 0.633 | 0.443 |
| 12 | 7 | 0 | 7.756 | 3.024 | 3.024 | 0.0 | 4.732 | 1.009 |
| 10 | 7 | 0 | 61.572 | 61.505 | 61.505 | 0.0 | 0.067 | 0.049 |
| 8 | 7 | 0 | 12.243 | 3.939 | 3.939 | 0.0 | 8.304 | 2.758 |
| 6 | 7 | 0 | 23.053 | 24.768 | 24.768 | 0.0 | -1.705 | -0.817 |
| 4 | 7 | 0 | 14.362 | 15.676 | 15.676 | 0.0 | -1.314 | -0.452 |
| 2 | 7 | 0 | 18.122 | 13.553 | 13.553 | 0.0 | 4.569 | 1.996 |
| 0 | 8 | 0 | 60.195 | 61.435 | 61.435 | 0.0 | -1.240 | -0.931 |
| 2 | 8 | 0 | 0.464 | 11.935 | -11.935 | 0.0 | -2.471 | -0.625 |
| 4 | 8 | 0 | 72.857 | 74.981 | -74.981 | 0.0 | -2.383 | -1.669 |
| 0 | 6 | 0 | 296.272 | 310.330 | 310.330 | 0.0 | -14.057 | -2.656 |
| 8 | 8 | 0 | 22.561 | 21.271 | 21.271 | 0.0 | 1.271 | 0.569 |
| 12 | 8 | 0 | 36.120 | 39.256 | -39.256 | 0.0 | -1.125 | -0.699 |
| 8 | 9 | 0 | 5.941 | 11.122 | -11.122 | 0.0 | -5.682 | -0.949 |
| 6 | 9 | 0 | 20.183 | 28.090 | 28.090 | 0.0 | 1.092 | 0.622 |
| 4 | 9 | 0 | 0.521 | 3.531 | -3.531 | 0.0 | 3.010 | 0.323 |
| 0 | 10 | 0 | 50.609 | 52.320 | -52.320 | 0.0 | -1.711 | -1.117 |
| 2 | 10 | 0 | 10.202 | 2.876 | 2.876 | 0.0 | 7.326 | 1.834 |
| 4 | 10 | 0 | 14.874 | 0.717 | -0.717 | 0.0 | 4.857 | 1.597 |
| 6 | 10 | 0 | 9.247 | 1.317 | 1.317 | 0.0 | 7.930 | 1.790 |
| 0 | 10 | 1 | 26.485 | 23.234 | 23.234 | 0.0 | 3.251 | 1.751 |
| 1 | 10 | 1 | 27.703 | 24.270 | -24.270 | 0.0 | 3.432 | 1.766 |
| 2 | 10 | 1 | 21.498 | 25.779 | 25.779 | 0.0 | -4.282 | -1.623 |
| 4 | 10 | 1 | 16.080 | 0.140 | 0.140 | 0.0 | 15.940 | 6.437 |
| 0 | 6 | 0 | 297.804 | 310.330 | 310.330 | 0.0 | -12.886 | -2.411 |
| 6 | 10 | 1 | 13.109 | 15.756 | 15.756 | 0.0 | -2.658 | -0.687 |
| 11 | 9 | 1 | 53.282 | 50.517 | 50.517 | 0.0 | 2.865 | 1.923 |
| 10 | 9 | 1 | 42.714 | 43.772 | -43.772 | 0.0 | -0.858 | -0.504 |
| 9 | 9 | 1 | 54.171 | 53.389 | -53.389 | 0.0 | 0.781 | 0.514 |
| 8 | 9 | 1 | 35.440 | 33.091 | -33.091 | 0.0 | 2.349 | 1.526 |
| 7 | 9 | 1 | 13.445 | 16.465 | -16.465 | 0.0 | -3.020 | -0.858 |
| 6 | 9 | 1 | 19.774 | 19.687 | 19.687 | 0.0 | 0.086 | 0.035 |
| 5 | 9 | 1 | 23.048 | 24.227 | 24.227 | 0.0 | -1.178 | -0.561 |
| 4 | 9 | 1 | 6.917 | 5.131 | -5.131 | 0.0 | 1.786 | 0.356 |
| 3 | 9 | 1 | 32.419 | 29.060 | 29.060 | 0.0 | 3.359 | 2.162 |
| 2 | 9 | 1 | 38.478 | 36.762 | -36.762 | 0.0 | 1.715 | 1.168 |
| 1 | 9 | 1 | 33.082 | 32.627 | -32.627 | 0.0 | 1.056 | 0.621 |
| 0 | 9 | 1 | 19.774 | 17.253 | 17.253 | 0.0 | 2.521 | 1.279 |
| 1 | 8 | 1 | 12.980 | 5.830 | -5.830 | 0.0 | 7.050 | 2.590 |
| 2 | 8 | 1 | 60.227 | 63.481 | -63.481 | 0.0 | -3.254 | -2.304 |
| 3 | 8 | 1 | 84.497 | 86.109 | -86.109 | 0.0 | -1.112 | -0.729 |

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| H | K | L | F(ORS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/STGM |
|----|---|---|---------|---------|---------|---------|---------|------------|
| 4 | R | 1 | 63.154 | 62.447 | -62.447 | 0.0 | 0.707 | 0.524 |
| 5 | R | 1 | 51.864 | 51.738 | 51.738 | 0.0 | 0.124 | 0.051 |
| 6 | R | 1 | 13.401 | 9.649 | -9.649 | 0.0 | 3.753 | 1.271 |
| 7 | R | 1 | 36.065 | 37.814 | 37.814 | 0.0 | -1.750 | -1.147 |
| 0 | 6 | 0 | 297.851 | 310.330 | 310.330 | 0.0 | -12.479 | -2.343 |
| 9 | R | 1 | 48.363 | 45.433 | 45.433 | 0.0 | 2.930 | 2.093 |
| 10 | R | 1 | 36.788 | 36.118 | -36.118 | 0.0 | 0.670 | 0.291 |
| 10 | R | 1 | 8.972 | 13.706 | 13.706 | 0.0 | -4.734 | -1.025 |
| 11 | R | 1 | 21.512 | 22.935 | -22.935 | 0.0 | -1.423 | -0.506 |
| 12 | R | 1 | 28.767 | 26.420 | -26.420 | 0.0 | 2.327 | 1.198 |
| 13 | R | 1 | 37.562 | 34.783 | 34.783 | 0.0 | 2.778 | 1.662 |
| 14 | 7 | 1 | 4.283 | 2.413 | 2.413 | 0.0 | 1.870 | 0.292 |
| 13 | 7 | 1 | 6.584 | 10.915 | 10.915 | 0.0 | -4.331 | -0.784 |
| 12 | 7 | 1 | 24.889 | 19.419 | 19.419 | 0.0 | 5.471 | 2.795 |
| 11 | 7 | 1 | 19.991 | 20.798 | -20.798 | 0.0 | -0.807 | -0.340 |
| 10 | 7 | 1 | 16.917 | 19.209 | 19.209 | 0.0 | 0.608 | 0.250 |
| 9 | 7 | 1 | 34.990 | 35.729 | 35.729 | 0.0 | -0.740 | -0.499 |
| 8 | 7 | 1 | 30.735 | 32.189 | 32.189 | 0.0 | -1.453 | -0.919 |
| 6 | 7 | 1 | 9.822 | 2.484 | 2.484 | 0.0 | 7.338 | 1.828 |
| 5 | 7 | 1 | 16.987 | 15.489 | 15.489 | 0.0 | 1.093 | 0.421 |
| 4 | 7 | 1 | 22.237 | 24.536 | 24.536 | 0.0 | -1.300 | -1.058 |
| 3 | 7 | 1 | 22.425 | 25.612 | -25.612 | 0.0 | -3.187 | -1.419 |
| 2 | 7 | 1 | 12.735 | 11.649 | 11.649 | 0.0 | 1.087 | 0.340 |
| 0 | 6 | 0 | 297.682 | 310.330 | 310.330 | 0.0 | -12.648 | -2.375 |
| 1 | 6 | 1 | 10.768 | 7.821 | 7.821 | 0.0 | 4.907 | 1.443 |
| 2 | 6 | 1 | 9.565 | 6.964 | 6.964 | 0.0 | 2.622 | 0.774 |
| 3 | 6 | 1 | 8.659 | 6.295 | 6.295 | 0.0 | 2.664 | 0.717 |
| 4 | 6 | 1 | 24.875 | 24.837 | 24.837 | 0.0 | 0.038 | 0.023 |
| 5 | 6 | 1 | 4.109 | 14.875 | 14.875 | 0.0 | -10.766 | -1.751 |
| 6 | 6 | 1 | 11.664 | 8.744 | -8.744 | 0.0 | 2.920 | 0.943 |
| 7 | 6 | 1 | 10.130 | 6.155 | 6.155 | 0.0 | 3.974 | 1.103 |
| 8 | 6 | 1 | 9.889 | 13.891 | 13.891 | 0.0 | -3.892 | -0.953 |
| 10 | 6 | 1 | 9.160 | 1.320 | 1.320 | 0.0 | 7.840 | 1.970 |
| 12 | 6 | 1 | 6.281 | 2.882 | 2.882 | 0.0 | 3.369 | 0.850 |
| 13 | 6 | 1 | 4.963 | 13.226 | -13.226 | 0.0 | -8.363 | -1.341 |
| 14 | 6 | 1 | 9.827 | 9.615 | -9.615 | 0.0 | 0.312 | 0.076 |
| 15 | 6 | 1 | 13.899 | 13.120 | -13.120 | 0.0 | 0.470 | 0.141 |
| 16 | 6 | 1 | 9.768 | 7.460 | -7.460 | 0.0 | 2.308 | 0.578 |
| 17 | 6 | 1 | 11.664 | 5.239 | 5.239 | 0.0 | 6.325 | 1.720 |
| 18 | 6 | 1 | 9.827 | 13.539 | -13.539 | 0.0 | -3.612 | -0.802 |
| 0 | 6 | 0 | 297.531 | 310.330 | 310.330 | 0.0 | -12.798 | -2.404 |
| 16 | 5 | 1 | 18.484 | 18.224 | 18.224 | 0.0 | 0.260 | 0.106 |
| 15 | 5 | 1 | 32.825 | 32.001 | -32.001 | 0.0 | 0.825 | 0.321 |
| 14 | 5 | 1 | 37.634 | 35.542 | 35.542 | 0.0 | 2.092 | 1.484 |
| 13 | 5 | 1 | 29.658 | 28.170 | 28.170 | 0.0 | 1.288 | 0.786 |
| 12 | 5 | 1 | 17.210 | 10.308 | 10.308 | 0.0 | 6.902 | 2.824 |
| 11 | 5 | 1 | 5.897 | 13.392 | 13.392 | 0.0 | -7.706 | -1.318 |
| 10 | 5 | 1 | 30.866 | 27.417 | -27.417 | 0.0 | 3.449 | 2.242 |
| 9 | 5 | 1 | 22.426 | 32.600 | -32.600 | 0.0 | -0.164 | -0.119 |
| 8 | 5 | 1 | 30.068 | 30.626 | 30.626 | 0.0 | -0.558 | -0.363 |
| 7 | 5 | 1 | 63.779 | 67.519 | -67.519 | 0.0 | 1.040 | 0.841 |
| 6 | 5 | 1 | 56.567 | 57.053 | 57.053 | 0.0 | -0.486 | -0.405 |
| 5 | 5 | 1 | 73.068 | 72.06 | 72.06 | 0.0 | 0.162 | 0.125 |

CARD 4 OF 4



| H | K | L | F(OR) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 4 | 5 | 1 | 31.940 | 34.636 | 34.636 | 0.0 | -2.696 | -1.097 |
| 3 | 5 | 1 | 40.824 | 42.712 | 42.712 | 0.0 | -1.888 | -1.374 |
| 2 | 5 | 1 | 40.800 | 51.511 | 51.511 | 0.0 | -11.711 | -1.753 |
| 1 | 5 | 1 | 30.405 | 30.419 | -30.419 | 0.0 | 0.114 | 0.153 |
| 1 | 4 | 1 | 39.830 | 41.345 | -41.345 | 0.0 | -1.515 | -1.620 |
| 2 | 4 | 1 | 76.766 | 81.673 | 81.673 | 0.0 | -4.907 | -3.824 |
| 0 | 6 | 0 | 297.795 | 310.330 | 310.330 | 0.0 | -12.535 | -2.354 |
| 3 | 4 | 1 | 50.040 | 52.190 | 52.190 | 0.0 | -2.150 | -2.106 |
| 4 | 4 | 1 | 41.459 | 46.290 | 46.290 | 0.0 | -4.831 | -4.487 |
| 5 | 4 | 1 | 68.319 | 71.344 | -71.344 | 0.0 | -3.025 | -2.512 |
| 6 | 4 | 1 | 28.699 | 31.467 | 31.467 | 0.0 | -2.768 | -2.104 |
| 7 | 4 | 1 | 24.397 | 24.562 | -24.562 | 0.0 | -0.166 | -0.119 |
| 8 | 4 | 1 | 14.312 | 15.824 | -15.824 | 0.0 | 0.488 | 0.228 |
| 9 | 4 | 1 | 10.189 | 11.402 | 11.402 | 0.0 | -1.414 | -0.423 |
| 10 | 4 | 1 | 2.416 | 0.975 | -0.975 | 0.0 | 1.441 | 0.204 |
| 11 | 4 | 1 | 9.145 | 6.671 | 6.671 | 0.0 | 2.274 | 0.565 |
| 12 | 4 | 1 | 16.485 | 9.114 | 5.114 | 0.0 | 7.371 | 3.030 |
| 13 | 4 | 1 | 14.400 | 11.221 | -11.221 | 0.0 | 3.180 | 1.132 |
| 14 | 4 | 1 | 21.788 | 22.067 | -22.067 | 0.0 | -0.280 | -0.134 |
| 15 | 4 | 1 | 17.824 | 15.160 | -15.160 | 0.0 | 2.064 | 0.762 |
| 16 | 4 | 1 | 23.019 | 22.584 | -22.584 | 0.0 | 0.435 | 0.132 |
| 17 | 4 | 1 | 20.560 | 28.562 | 28.562 | 0.0 | 0.956 | 0.555 |
| 18 | 4 | 1 | 27.529 | 25.246 | -25.246 | 0.0 | 2.283 | 1.301 |
| 19 | 4 | 1 | 3.723 | 9.059 | -9.059 | 0.0 | -5.326 | -0.713 |
| 20 | 3 | 1 | 15.760 | 10.244 | 10.244 | 0.0 | 5.416 | 1.952 |
| 19 | 3 | 1 | 38.707 | 38.955 | 38.955 | 0.0 | -0.158 | -0.103 |
| 18 | 3 | 1 | 47.998 | 49.651 | -49.651 | 0.0 | -1.653 | -1.232 |
| 0 | 6 | 0 | 297.512 | 310.330 | 310.330 | 0.0 | -12.817 | -2.408 |
| 17 | 3 | 1 | 65.995 | 66.314 | -66.314 | 0.0 | -0.319 | -0.232 |
| 16 | 3 | 1 | 29.667 | 27.968 | -27.968 | 0.0 | 1.679 | 1.052 |
| 15 | 3 | 1 | 26.238 | 25.005 | -25.005 | 0.0 | 1.233 | 0.664 |
| 14 | 3 | 1 | 45.200 | 47.512 | 47.512 | 0.0 | -2.311 | -1.706 |
| 13 | 3 | 1 | 19.966 | 18.656 | 18.656 | 0.0 | 1.190 | 0.526 |
| 12 | 3 | 1 | 126.601 | 127.170 | -127.170 | 0.0 | -0.569 | -0.275 |
| 11 | 3 | 1 | 190.801 | 187.651 | 187.651 | 0.0 | 3.150 | 1.007 |
| 10 | 3 | 1 | 158.051 | 154.597 | -154.597 | 0.0 | 3.454 | 1.345 |
| 9 | 3 | 1 | 164.748 | 160.779 | -160.779 | 0.0 | 3.969 | 1.453 |
| 8 | 3 | 1 | 70.097 | 70.433 | -70.433 | 0.0 | -0.336 | -0.266 |
| 7 | 3 | 1 | 88.140 | 87.960 | -87.960 | 0.0 | 0.180 | 0.122 |
| 6 | 3 | 1 | 140.521 | 137.630 | 137.630 | 0.0 | 2.891 | 1.294 |
| 5 | 3 | 1 | 162.381 | 160.193 | 160.193 | 0.0 | 2.188 | 0.838 |
| 4 | 3 | 1 | 56.304 | 53.018 | 53.018 | 0.0 | 3.286 | 3.212 |
| 3 | 3 | 1 | 94.361 | 90.054 | 90.054 | 0.0 | -4.307 | -4.180 |
| 2 | 3 | 1 | 137.883 | 147.872 | -147.872 | 0.0 | -10.289 | -4.716 |
| 1 | 3 | 1 | 167.763 | 182.607 | -182.607 | 0.0 | -14.844 | -5.448 |
| 0 | 2 | 1 | 37.560 | 40.125 | 40.125 | 0.0 | -2.565 | -2.506 |
| 1 | 2 | 1 | 7.168 | 5.783 | 5.783 | 0.0 | 1.365 | 0.539 |
| 2 | 2 | 1 | 137.705 | 142.456 | -142.456 | 0.0 | -4.750 | -2.095 |
| 0 | 6 | 0 | 294.903 | 310.330 | 310.330 | 0.0 | -15.426 | -2.931 |
| 3 | 2 | 1 | 150.732 | 161.978 | -161.978 | 0.0 | -1.246 | -0.487 |
| 4 | 2 | 1 | 125.170 | 127.617 | -127.617 | 0.0 | -2.446 | -1.237 |
| 5 | 2 | 1 | 125.609 | 131.823 | 131.823 | 0.0 | -1.914 | -0.928 |
| 6 | 2 | 1 | 12.721 | 13.942 | -13.942 | 0.0 | -1.222 | -0.703 |

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| H | K | I | F(RIB) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 7 | 2 | 1 | 96.318 | 97.525 | 97.525 | 0.0 | -1.207 | -0.779 |
| 8 | 2 | 1 | 86.879 | 88.653 | 88.653 | 0.0 | -1.774 | -1.234 |
| 9 | 2 | 1 | 70.714 | 68.650 | -68.650 | 0.0 | 2.065 | 1.652 |
| 10 | 2 | 1 | 21.628 | 20.692 | 20.692 | 0.0 | 0.936 | 0.557 |
| 11 | 2 | 1 | 46.147 | 46.541 | -46.541 | 0.0 | -0.414 | -0.338 |
| 12 | 2 | 1 | 49.821 | 51.520 | -51.520 | 0.0 | -1.699 | -1.339 |
| 13 | 2 | 1 | 54.024 | 54.858 | -54.858 | 0.0 | -0.833 | -0.656 |
| 15 | 2 | 1 | 46.754 | 45.534 | 45.534 | 0.0 | 1.176 | 0.853 |
| 16 | 2 | 1 | 48.352 | 48.871 | 48.871 | 0.0 | -0.480 | -0.370 |
| 17 | 2 | 1 | 50.682 | 49.876 | -49.876 | 0.0 | 0.806 | 0.600 |
| 18 | 2 | 1 | 33.363 | 31.597 | 31.597 | 0.0 | 1.766 | 1.126 |
| 20 | 2 | 1 | 16.370 | 10.521 | -10.521 | 0.0 | 5.849 | 2.137 |
| 21 | 1 | 1 | 4.891 | 8.753 | 8.753 | 0.0 | -3.863 | -0.596 |
| 0 | 6 | 0 | 297.062 | 310.330 | 310.330 | 0.0 | -13.267 | -2.498 |
| 19 | 1 | 1 | 4.543 | 4.757 | -4.757 | 0.0 | -0.214 | -0.034 |
| 17 | 1 | 1 | 2.471 | 2.641 | -2.641 | 0.0 | 1.170 | 0.311 |
| 16 | 1 | 1 | 25.677 | 31.282 | 31.282 | 0.0 | -5.305 | -2.751 |
| 15 | 1 | 1 | 31.185 | 27.321 | -27.321 | 0.0 | 3.865 | 2.420 |
| 14 | 1 | 1 | 28.356 | 29.267 | 29.267 | 0.0 | -0.912 | -0.524 |
| 13 | 1 | 1 | 31.171 | 31.500 | 31.500 | 0.0 | -0.329 | -0.219 |
| 12 | 1 | 1 | 19.064 | 17.029 | 17.029 | 0.0 | 2.035 | 0.956 |
| 11 | 1 | 1 | 15.544 | 10.998 | -10.998 | 0.0 | 4.546 | 1.987 |
| 8 | 1 | 1 | 47.721 | 48.795 | 48.795 | 0.0 | -1.074 | -1.099 |
| 7 | 1 | 1 | 53.844 | 54.362 | -54.362 | 0.0 | -0.498 | -0.494 |
| 6 | 1 | 1 | 47.750 | 49.127 | 49.127 | 0.0 | -1.377 | -1.476 |
| 5 | 1 | 1 | 80.826 | 82.509 | 82.509 | 0.0 | -1.683 | -1.280 |
| 4 | 1 | 1 | 61.777 | 60.598 | 60.598 | 0.0 | 1.179 | 1.103 |
| 3 | 1 | 1 | 12.692 | 11.753 | 11.753 | 0.0 | 0.939 | 0.564 |
| 2 | 1 | 1 | 34.104 | 32.039 | -32.039 | 0.0 | 2.065 | 2.494 |
| 1 | 1 | 1 | 21.585 | 20.704 | -20.704 | 0.0 | 0.881 | 0.921 |
| 0 | 0 | 2 | 38.103 | 38.804 | 38.804 | 0.0 | 0.299 | 0.332 |
| 0 | 6 | 0 | 294.422 | 310.330 | 310.330 | 0.0 | -15.907 | -3.627 |
| 1 | 0 | 2 | 95.811 | 96.179 | 96.179 | 0.0 | -0.368 | -0.262 |
| 2 | 0 | 2 | 152.789 | 151.778 | -151.778 | 0.0 | 1.011 | 0.416 |
| 3 | 0 | 2 | 214.604 | 219.784 | 219.784 | 0.0 | -5.180 | -1.458 |
| 4 | 0 | 2 | 93.444 | 91.825 | -91.825 | 0.0 | 1.619 | 1.077 |
| 5 | 0 | 2 | 225.725 | 221.589 | -221.589 | 0.0 | 4.136 | 1.095 |
| 7 | 0 | 2 | 182.470 | 180.277 | -180.277 | 0.0 | 2.393 | 0.805 |
| 8 | 0 | 2 | 76.796 | 75.993 | 75.993 | 0.0 | 0.803 | 0.598 |
| 9 | 0 | 2 | 160.716 | 161.655 | 161.655 | 0.0 | -0.939 | -0.362 |
| 10 | 0 | 2 | 11.548 | 7.959 | -7.959 | 0.0 | 3.590 | 1.192 |
| 11 | 0 | 2 | 161.641 | 161.624 | 161.624 | 0.0 | 0.318 | 0.120 |
| 12 | 0 | 2 | 43.995 | 43.051 | -43.051 | 0.0 | 0.344 | 0.254 |
| 13 | 0 | 2 | 73.274 | 75.440 | -75.440 | 0.0 | -2.166 | -1.549 |
| 15 | 0 | 2 | 68.935 | 68.361 | -68.361 | 0.0 | 0.575 | 0.421 |
| 16 | 0 | 2 | 38.503 | 38.589 | 38.589 | 0.0 | -0.286 | -0.196 |
| 17 | 0 | 2 | 76.398 | 78.073 | 78.073 | 0.0 | -1.675 | -1.114 |
| 18 | 0 | 2 | 34.263 | 34.802 | 34.802 | 0.0 | -0.538 | -0.319 |
| 19 | 0 | 2 | 31.055 | 30.678 | 30.678 | 0.0 | 0.377 | 0.213 |
| 20 | 0 | 2 | 11.302 | 11.239 | -11.239 | 0.0 | 0.063 | 0.016 |
| 0 | 6 | 0 | 294.304 | 310.330 | 310.330 | 0.0 | -16.025 | -3.048 |
| 20 | 1 | 2 | 9.464 | 9.886 | 9.886 | 0.0 | -0.422 | -0.087 |
| 19 | 1 | 2 | 18.108 | 17.564 | -17.564 | 0.0 | 0.543 | 0.208 |

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| H | K | L | F(95) | F(CALC) | A(CALC) | B(CALC) | DFLTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 18 | 1 | 2 | 4.300 | 11.327 | -11.327 | 0.0 | -5.018 | -0.876 |
| 17 | 1 | 2 | 54.550 | 53.362 | 53.362 | 0.0 | 1.189 | 0.966 |
| 16 | 1 | 2 | 52.222 | 53.524 | -53.524 | 0.0 | -1.296 | -0.935 |
| 15 | 1 | 2 | 10.434 | 2.657 | 2.657 | 0.0 | 7.777 | 2.248 |
| 13 | 1 | 2 | 12.272 | 12.390 | 12.390 | 0.0 | -0.118 | -0.034 |
| 12 | 1 | 2 | 105.722 | 104.677 | -104.677 | 0.0 | 1.045 | 0.591 |
| 11 | 1 | 2 | 105.977 | 104.679 | -104.679 | 0.0 | 1.298 | 0.733 |
| 10 | 1 | 2 | 40.092 | 39.271 | -39.271 | 0.0 | 0.821 | 0.649 |
| 9 | 1 | 2 | 80.270 | 79.827 | -79.827 | 0.0 | 0.452 | 0.322 |
| 8 | 1 | 2 | 55.222 | 56.237 | -56.237 | 0.0 | -1.015 | -0.926 |
| 7 | 1 | 2 | 45.060 | 43.532 | 43.532 | 0.0 | 1.528 | 1.508 |
| 6 | 1 | 2 | 25.846 | 24.721 | 24.721 | 0.0 | 1.126 | 0.958 |
| 5 | 1 | 2 | 96.020 | 92.711 | -92.711 | 0.0 | 3.309 | 2.135 |
| 4 | 1 | 2 | 50.536 | 47.570 | 47.570 | 0.0 | 2.966 | 3.034 |
| 3 | 1 | 2 | 52.220 | 52.262 | -52.262 | 0.0 | 3.077 | 3.008 |
| 2 | 1 | 2 | 56.158 | 58.095 | -58.095 | 0.0 | -1.937 | -1.893 |
| 0 | 6 | 0 | 295.372 | 310.330 | 310.330 | 0.0 | -14.958 | -2.840 |
| 0 | 2 | 2 | 13.926 | 13.716 | 13.716 | 0.0 | -2.700 | -1.428 |
| 1 | 2 | 2 | 32.652 | 34.710 | 34.710 | 0.0 | -2.058 | -2.215 |
| 2 | 2 | 2 | 7.032 | 8.265 | -8.265 | 0.0 | -1.232 | -0.428 |
| 3 | 2 | 2 | 62.441 | 63.103 | 63.103 | 0.0 | -0.661 | -0.414 |
| 4 | 2 | 2 | 11.143 | 10.483 | -10.483 | 0.0 | 0.659 | 0.302 |
| 5 | 2 | 2 | 23.034 | 24.357 | -24.357 | 0.0 | -1.323 | -1.095 |
| 6 | 2 | 2 | 60.850 | 58.550 | 58.550 | 0.0 | 2.290 | 2.031 |
| 7 | 2 | 2 | 95.000 | 98.642 | -98.642 | 0.0 | -0.682 | -0.460 |
| 8 | 2 | 2 | 30.576 | 29.754 | 29.754 | 0.0 | 0.822 | 0.636 |
| 9 | 2 | 2 | 71.097 | 70.625 | 70.625 | 0.0 | 0.471 | 0.360 |
| 10 | 2 | 2 | 31.155 | 32.346 | 32.346 | 0.0 | -1.190 | -0.820 |
| 11 | 2 | 2 | 17.774 | 17.910 | 17.910 | 0.0 | -0.136 | -0.057 |
| 12 | 2 | 2 | 17.596 | 17.326 | -17.326 | 0.0 | 0.261 | 0.105 |
| 13 | 2 | 2 | 30.866 | 28.900 | -28.900 | 0.0 | 1.965 | 1.188 |
| 14 | 2 | 2 | 11.441 | 9.794 | -9.794 | 0.0 | 1.648 | 0.455 |
| 15 | 2 | 2 | 11.722 | 24.026 | -24.026 | 0.0 | -12.304 | -3.025 |
| 16 | 2 | 2 | 8.017 | 1.204 | -1.204 | 0.0 | 6.813 | 1.569 |
| 17 | 2 | 2 | 15.732 | 14.634 | -14.634 | 0.0 | 1.099 | 0.391 |
| 18 | 2 | 2 | 36.225 | 37.445 | -37.445 | 0.0 | -1.220 | -0.743 |
| 19 | 2 | 2 | 21.350 | 24.113 | 24.113 | 0.0 | -2.782 | -1.441 |
| 0 | 6 | 0 | 206.817 | 310.330 | 310.330 | 0.0 | -13.513 | -2.950 |
| 20 | 2 | 2 | 10.651 | 8.308 | -8.308 | 0.0 | 2.343 | 0.568 |
| 19 | 3 | 2 | 19.525 | 8.441 | -8.441 | 0.0 | 10.904 | 4.886 |
| 18 | 3 | 2 | 5.180 | 2.764 | -2.764 | 0.0 | 2.416 | 0.388 |
| 17 | 3 | 2 | 7.134 | 4.397 | -4.397 | 0.0 | 2.737 | 0.540 |
| 16 | 3 | 2 | 11.097 | 7.093 | 7.093 | 0.0 | 4.014 | 1.496 |
| 15 | 3 | 2 | 20.568 | 16.934 | 16.934 | 0.0 | 3.634 | 1.693 |
| 9 | 3 | 2 | 15.617 | 16.795 | 16.795 | 0.0 | -1.178 | -0.465 |
| 8 | 3 | 2 | 18.023 | 18.015 | -18.015 | 0.0 | 0.018 | 0.463 |
| 7 | 3 | 2 | 7.293 | 3.616 | -3.616 | 0.0 | 3.677 | 0.945 |
| 6 | 3 | 2 | 7.336 | 1.995 | 1.995 | 0.0 | 5.392 | 1.641 |
| 5 | 3 | 2 | 15.181 | 15.893 | 15.893 | 0.0 | 0.288 | 0.146 |
| 4 | 3 | 2 | 45.870 | 43.735 | -43.735 | 0.0 | 2.135 | 2.124 |
| 3 | 3 | 2 | 40.484 | 40.621 | -40.621 | 0.0 | -0.137 | -0.134 |
| 2 | 3 | 2 | 5.412 | 9.655 | -9.655 | 0.0 | 4.243 | -1.082 |
| 0 | 6 | 0 | 294.735 | 310.330 | 310.330 | 0.0 | -15.595 | -2.964 |

| H | K | L | F(ORS) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 1 | 4 | 2 | 281.950 | 31.742 | 31.742 | 0.0 | -2.791 | -2.138 |
| 2 | 4 | 2 | 67.819 | 70.475 | 70.475 | 0.0 | -2.656 | -2.153 |
| 3 | 4 | 2 | 36.544 | 37.508 | -37.508 | 0.0 | -0.964 | -0.951 |
| 5 | 4 | 2 | 13.387 | 0.714 | -0.714 | 0.0 | 12.673 | 5.370 |
| 6 | 4 | 2 | 25.404 | 25.513 | 25.513 | 0.0 | 0.391 | 0.243 |
| 7 | 4 | 2 | 30.272 | 31.880 | -31.880 | 0.0 | -1.507 | -1.018 |
| 9 | 4 | 2 | 8.219 | 2.605 | 2.605 | 0.0 | 5.614 | 1.421 |
| 10 | 4 | 2 | 14.717 | 9.554 | -9.554 | 0.0 | 5.164 | 1.960 |
| 10 | 4 | 2 | 21.440 | 18.640 | -18.640 | 0.0 | 2.790 | 1.199 |
| 11 | 4 | 2 | 17.354 | 12.742 | 12.742 | 0.0 | 4.613 | 1.830 |
| 12 | 4 | 2 | 10.202 | 5.068 | -5.068 | 0.0 | 5.134 | 1.349 |
| 13 | 4 | 2 | 3.762 | 6.184 | -6.184 | 0.0 | -2.422 | -0.390 |
| 14 | 4 | 2 | 21.440 | 15.901 | -15.901 | 0.0 | 5.539 | 2.583 |
| 15 | 4 | 2 | 11.856 | 4.362 | 4.362 | 0.0 | 7.534 | 2.283 |
| 17 | 4 | 2 | 17.427 | 15.033 | -15.033 | 0.0 | 2.384 | 0.923 |
| 18 | 4 | 2 | 6.489 | 13.951 | -13.951 | 0.0 | -6.962 | -1.221 |
| 17 | 5 | 2 | 39.045 | 40.924 | -40.924 | 0.0 | -1.879 | -1.077 |
| 0 | 6 | 0 | 295.597 | 310.330 | 310.330 | 0.0 | -14.733 | -2.786 |
| 16 | 5 | 2 | 23.756 | 21.394 | 21.394 | 0.0 | 2.365 | 1.053 |
| 15 | 5 | 2 | 24.208 | 26.954 | -26.954 | 0.0 | -2.746 | -1.254 |
| 14 | 5 | 2 | 9.302 | 0.760 | -0.760 | 0.0 | -0.369 | -0.084 |
| 13 | 5 | 2 | 22.759 | 21.314 | 21.314 | 0.0 | 1.444 | 0.683 |
| 12 | 5 | 2 | 61.791 | 64.408 | 64.408 | 0.0 | -2.616 | -1.900 |
| 11 | 5 | 2 | 83.221 | 83.702 | 83.702 | 0.0 | -0.481 | -0.213 |
| 10 | 5 | 2 | 41.465 | 41.474 | -41.474 | 0.0 | -0.015 | -0.010 |
| 9 | 5 | 2 | 112.697 | 114.676 | -114.676 | 0.0 | -1.979 | -1.062 |
| 8 | 5 | 2 | 77.061 | 75.584 | 75.584 | 0.0 | 1.477 | 1.022 |
| 7 | 5 | 2 | 42.798 | 42.520 | -42.520 | 0.0 | 0.278 | 0.207 |
| 6 | 5 | 2 | 30.256 | 30.035 | -30.035 | 0.0 | 0.222 | 0.143 |
| 5 | 5 | 2 | 63.799 | 65.392 | -65.392 | 0.0 | -1.593 | -1.249 |
| 4 | 5 | 2 | 15.165 | 18.395 | 18.395 | 0.0 | 0.770 | 0.385 |
| 3 | 5 | 2 | 104.373 | 107.055 | 107.055 | 0.0 | -2.682 | -1.543 |
| 2 | 5 | 2 | 31.498 | 31.605 | 31.605 | 0.0 | 0.393 | 0.274 |
| 1 | 5 | 2 | 55.824 | 58.824 | -58.824 | 0.0 | -4.295 | -2.378 |
| 0 | 6 | 2 | 15.457 | 13.836 | 13.836 | 0.0 | 1.622 | 0.615 |
| 1 | 6 | 2 | 19.426 | 16.482 | 16.482 | 0.0 | 2.944 | 1.411 |
| 2 | 6 | 2 | 108.679 | 113.734 | -113.734 | 0.0 | -5.054 | -2.780 |
| 3 | 6 | 2 | 127.210 | 131.711 | 131.711 | 0.0 | -4.501 | -2.157 |
| 0 | 6 | 0 | 294.248 | 310.330 | 310.330 | 0.0 | -16.082 | -3.070 |
| 4 | 6 | 2 | 45.361 | 45.367 | -45.367 | 0.0 | -0.006 | -0.005 |
| 5 | 6 | 2 | 91.287 | 91.792 | -91.792 | 0.0 | -0.505 | -0.315 |
| 6 | 6 | 2 | 11.910 | 3.053 | -3.053 | 0.0 | 8.857 | 2.582 |
| 7 | 6 | 2 | 78.315 | 78.477 | -78.477 | 0.0 | -0.162 | -0.115 |
| 8 | 6 | 2 | 31.272 | 33.748 | 33.748 | 0.0 | -2.475 | -1.343 |
| 9 | 6 | 2 | 95.409 | 96.759 | 96.759 | 0.0 | -1.350 | -0.816 |
| 10 | 6 | 2 | 22.324 | 22.642 | 22.642 | 0.0 | -0.319 | -0.161 |
| 11 | 6 | 2 | 60.829 | 60.716 | 60.716 | 0.0 | 0.123 | 0.089 |
| 12 | 6 | 2 | 16.876 | 20.013 | -20.013 | 0.0 | -3.137 | -1.062 |
| 13 | 6 | 2 | 32.056 | 30.888 | -30.888 | 0.0 | 1.168 | 0.682 |
| 14 | 6 | 2 | 17.094 | 13.135 | 13.135 | 0.0 | 3.958 | 1.544 |
| 15 | 6 | 2 | 38.574 | 38.807 | -38.807 | 0.0 | -0.227 | -0.134 |
| 16 | 6 | 2 | 22.382 | 21.705 | 21.705 | 0.0 | 0.677 | 0.285 |
| 14 | 7 | 2 | 10.709 | 8.202 | -8.202 | 0.0 | 2.507 | 0.639 |

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| H | K | I | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 13 | 7 | 2 | 20.208 | 20.390 | 20.390 | 0.0 | -0.172 | -0.071 |
| 12 | 7 | 2 | 38.768 | 35.327 | -35.327 | 0.0 | 3.441 | 2.233 |
| 11 | 7 | 2 | 17.666 | 15.054 | -15.054 | 0.0 | -1.088 | -0.339 |
| 10 | 7 | 2 | 5.247 | 7.902 | -7.902 | 0.0 | 1.344 | 0.313 |
| 9 | 7 | 2 | 18.542 | 15.405 | 15.405 | 0.0 | 3.138 | 1.380 |
| 8 | 7 | 2 | 37.011 | 42.260 | -42.260 | 0.0 | -4.350 | -2.823 |
| 0 | 6 | 0 | 294.098 | 310.330 | 310.330 | 0.0 | -16.231 | -3.099 |
| 7 | 7 | 2 | 28.602 | 25.873 | -25.873 | 0.0 | 2.729 | 1.650 |
| 5 | 7 | 2 | 19.488 | 19.885 | 19.885 | 0.0 | -0.397 | -0.179 |
| 4 | 7 | 2 | 28.733 | 31.375 | -31.375 | 0.0 | -2.643 | -1.491 |
| 3 | 7 | 2 | 16.239 | 20.690 | -20.690 | 0.0 | -4.451 | -1.552 |
| 2 | 7 | 2 | 10.096 | 5.370 | -5.370 | 0.0 | 4.716 | 1.308 |
| 1 | 7 | 2 | 10.332 | 6.116 | -6.116 | 0.0 | 4.216 | 1.067 |
| 0 | 8 | 2 | 13.970 | 16.784 | -16.784 | 0.0 | 2.106 | 0.956 |
| 1 | 8 | 2 | 41.736 | 40.843 | 40.843 | 0.0 | 0.893 | 0.639 |
| 2 | 8 | 2 | 16.394 | 17.190 | 17.190 | 0.0 | -0.806 | -0.291 |
| 3 | 8 | 2 | 22.672 | 22.880 | 22.880 | 0.0 | -0.208 | -0.097 |
| 4 | 8 | 2 | 7.409 | 8.256 | -8.256 | 0.0 | -0.847 | -0.169 |
| 5 | 8 | 2 | 28.093 | 28.004 | -28.004 | 0.0 | -1.005 | 0.572 |
| 6 | 8 | 2 | 12.185 | 13.349 | -13.349 | 0.0 | -1.164 | -0.325 |
| 7 | 8 | 2 | 41.052 | 40.513 | 40.513 | 0.0 | 0.539 | 0.367 |
| 8 | 8 | 2 | 19.035 | 16.658 | 16.658 | 0.0 | 2.377 | 1.013 |
| 9 | 8 | 2 | 29.125 | 27.698 | 27.698 | 0.0 | 1.427 | 0.793 |
| 10 | 8 | 2 | 10.926 | 3.661 | -3.661 | 0.0 | 7.265 | 1.938 |
| 11 | 8 | 2 | 29.618 | 26.954 | 26.954 | 0.0 | 2.664 | 1.517 |
| 12 | 8 | 2 | 8.225 | 8.220 | -8.220 | 0.0 | -2.895 | -0.438 |
| 0 | 5 | 0 | 208.520 | 310.330 | 310.330 | 0.0 | -15.901 | -3.004 |
| 9 | 9 | 2 | 9.406 | 5.676 | -5.676 | 0.0 | 3.180 | 0.676 |
| 7 | 9 | 2 | 6.179 | 2.811 | -2.811 | 0.0 | 6.895 | 1.666 |
| 3 | 9 | 2 | 9.449 | 12.177 | -12.177 | 0.0 | -2.727 | -0.604 |
| 2 | 9 | 2 | 10.868 | 7.503 | -7.503 | 0.0 | 3.365 | 0.887 |
| 1 | 9 | 2 | 3.183 | 8.401 | -8.401 | 0.0 | -5.218 | -0.703 |
| 0 | 10 | 2 | 0.960 | 1.123 | -1.123 | 0.0 | 8.766 | 2.041 |
| 1 | 10 | 2 | 4.300 | 5.379 | -5.379 | 0.0 | -0.980 | -0.147 |
| 2 | 10 | 2 | 22.239 | 21.464 | 21.464 | 0.0 | 0.874 | 0.361 |
| 5 | 9 | 3 | 52.368 | 42.173 | -42.173 | 0.0 | -2.805 | -0.462 |
| 4 | 9 | 3 | 8.060 | 3.445 | -3.445 | 0.0 | 4.615 | 0.938 |
| 2 | 9 | 3 | 47.152 | 46.161 | -46.161 | 0.0 | 0.991 | 0.624 |
| 1 | 9 | 3 | 28.892 | 27.892 | -27.892 | 0.0 | 1.010 | 0.571 |
| 0 | 8 | 3 | 123.377 | 124.477 | 124.477 | 0.0 | -1.100 | -0.529 |
| 1 | 8 | 3 | 23.063 | 22.165 | 22.165 | 0.0 | 0.898 | 0.405 |
| 2 | 8 | 3 | 8.623 | 3.158 | -3.158 | 0.0 | 6.465 | 1.578 |
| 0 | 6 | 0 | 253.819 | 310.330 | 310.330 | 0.0 | -16.512 | -3.154 |
| 3 | 8 | 3 | 0.898 | 7.475 | -7.475 | 0.0 | 2.423 | 0.571 |
| 4 | 8 | 3 | 19.585 | 20.530 | -20.530 | 0.0 | -1.044 | -0.718 |
| 5 | 8 | 3 | 7.525 | 12.465 | -12.465 | 0.0 | -4.940 | -0.903 |
| 7 | 8 | 3 | 28.892 | 28.568 | -28.568 | 0.0 | 0.324 | 0.169 |
| 8 | 8 | 3 | 52.688 | 52.151 | -52.151 | 0.0 | 0.837 | 0.551 |
| 0 | 8 | 3 | 12.272 | 3.045 | -3.045 | 0.0 | 9.227 | 2.509 |
| 11 | 7 | 3 | 7.423 | 0.401 | -0.401 | 0.0 | 7.023 | 1.359 |
| 10 | 7 | 3 | 22.425 | 19.426 | -19.426 | 0.0 | 2.999 | 1.302 |
| 9 | 7 | 3 | 19.271 | 7.587 | -7.587 | 0.0 | 5.684 | 1.809 |

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| H | K | I | F(CALC) | F(CALC) | A(CALC) | R(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 8 | 7 | 3 | 9.436 | 6.408 | 6.408 | 0.0 | 3.128 | 0.733 |
| 6 | 7 | 3 | 33.189 | 32.377 | -32.377 | 0.0 | 0.811 | 0.478 |
| 5 | 7 | 3 | 10.824 | 5.905 | -5.905 | 0.0 | 4.920 | 1.376 |
| 4 | 7 | 3 | 8.002 | 6.629 | 6.629 | 0.0 | 1.373 | 0.312 |
| 2 | 7 | 3 | 12.069 | 7.104 | 7.104 | 0.0 | 4.965 | 1.595 |
| 1 | 7 | 3 | 12.229 | 13.515 | -13.515 | 0.0 | -1.287 | -0.383 |
| 0 | 6 | 3 | 10.839 | 5.904 | -5.904 | 0.0 | 4.935 | 1.322 |
| 0 | 6 | 0 | 294.042 | 310.330 | 310.330 | 0.0 | -16.287 | -3.110 * |
| 1 | 6 | 3 | 4.703 | 3.629 | -3.629 | 0.0 | 1.073 | 0.179 |
| 2 | 6 | 3 | 13.343 | 7.392 | 7.392 | 0.0 | 5.951 | 2.087 |
| 3 | 6 | 3 | 6.700 | 8.960 | 8.960 | 0.0 | -2.261 | -0.457 |
| 4 | 6 | 3 | 8.856 | 10.003 | 10.003 | 0.0 | -1.147 | -0.280 |
| 5 | 6 | 3 | 2.079 | 11.300 | 11.080 | 0.0 | -0.201 | -0.178 |
| 6 | 6 | 3 | 5.904 | 2.379 | -2.379 | 0.0 | 3.525 | 0.658 |
| 7 | 6 | 3 | 6.280 | 7.998 | 7.998 | 0.0 | -1.718 | -0.346 |
| 8 | 6 | 3 | 24.889 | 26.078 | -26.078 | 0.0 | -1.189 | -0.577 |
| 14 | 6 | 3 | 8.697 | 4.645 | -4.645 | 0.0 | 4.052 | 0.836 |
| 15 | 5 | 3 | 11.606 | 6.925 | 6.925 | 0.0 | 4.681 | 1.230 |
| 14 | 5 | 3 | 25.832 | 21.223 | 21.323 | 0.0 | 4.506 | 2.321 |
| 12 | 5 | 3 | 10.869 | 2.672 | -2.672 | 0.0 | 8.297 | -0.280 |
| 11 | 5 | 3 | 6.266 | 13.458 | -13.458 | 0.0 | -7.433 | -1.267 |
| 10 | 5 | 3 | 60.830 | 62.455 | -62.455 | 0.0 | -1.616 | -1.152 |
| 0 | 6 | 0 | 293.444 | 310.330 | 310.330 | 0.0 | -16.885 | -3.227 * |
| 0 | 5 | 3 | 10.492 | 12.817 | 12.817 | 0.0 | -2.325 | -0.620 |
| 6 | 5 | 3 | 4.182 | 3.126 | 3.126 | 0.0 | 1.056 | 0.154 |
| 5 | 5 | 3 | 26.224 | 27.218 | -27.218 | 0.0 | -2.893 | -1.468 |
| 3 | 5 | 3 | 15.037 | 12.105 | -12.105 | 0.0 | 2.932 | 0.993 |
| 2 | 5 | 3 | 82.718 | 87.092 | -87.092 | 0.0 | -4.374 | -2.889 |
| 1 | 5 | 3 | 19.904 | 22.216 | 22.216 | 0.0 | -2.312 | -0.973 |
| 0 | 4 | 3 | 128.158 | 139.320 | -139.320 | 0.0 | -10.662 | -5.103 * |
| 1 | 4 | 3 | 21.164 | 21.798 | -21.798 | 0.0 | -0.636 | -0.317 |
| 3 | 4 | 3 | 11.490 | 7.425 | 7.425 | 0.0 | 4.065 | 1.271 |
| 4 | 4 | 3 | 37.329 | 36.978 | -36.978 | 0.0 | 0.351 | 0.262 |
| 5 | 4 | 3 | 14.632 | 6.170 | 6.170 | 0.0 | 8.462 | 3.176 |
| 6 | 4 | 3 | 11.679 | 0.653 | -0.653 | 0.0 | 11.025 | 3.297 * |
| 8 | 4 | 3 | 27.978 | 26.348 | -26.348 | 0.0 | 1.630 | 0.937 |
| 9 | 4 | 3 | 8.494 | 7.474 | 7.474 | 0.0 | 1.020 | 0.222 |
| 0 | 6 | 0 | 292.846 | 310.330 | 310.330 | 0.0 | -17.483 | -3.357 * |
| 11 | 4 | 3 | 14.299 | 8.784 | 8.784 | 0.0 | 5.515 | 1.886 |
| 12 | 4 | 3 | 39.880 | 40.203 | 40.203 | 0.0 | -0.315 | -0.158 |
| 13 | 4 | 3 | 22.440 | 19.942 | 19.942 | 0.0 | 2.497 | 1.098 |
| 15 | 4 | 3 | 4.124 | 13.580 | 13.580 | 0.0 | -9.456 | -1.266 |
| 16 | 4 | 3 | 11.331 | 5.752 | 5.752 | 0.0 | 5.570 | 1.427 |
| 17 | 4 | 3 | 1.707 | 2.907 | 2.907 | 0.0 | -1.200 | -0.124 |
| 17 | 3 | 3 | 18.844 | 16.666 | 16.666 | 0.0 | 1.977 | 0.696 |
| 16 | 3 | 3 | 9.044 | 7.981 | 7.981 | 0.0 | 1.063 | 0.230 |
| 15 | 3 | 3 | 6.897 | 16.158 | 16.158 | 0.0 | -9.661 | -1.493 |
| 14 | 3 | 3 | 167.761 | 164.425 | 164.425 | 0.0 | 3.316 | 1.162 |
| 13 | 3 | 3 | 45.011 | 45.810 | -45.810 | 0.0 | -0.799 | -0.566 |
| 12 | 3 | 3 | 14.038 | 8.421 | -8.421 | 0.0 | 5.617 | 1.967 |
| 10 | 3 | 3 | 7.047 | 4.770 | -4.770 | 0.0 | 2.277 | 0.424 |
| 9 | 3 | 3 | 18.195 | 21.035 | 21.035 | 0.0 | -2.841 | -1.054 |
| 8 | 3 | 3 | 3.907 | 0.168 | 0.168 | 0.0 | 3.739 | 0.570 |

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| H | K | L | F (CALC) | F (CALC) | A (CALC) | B (CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|----------|----------|----------|----------|---------|-------------|
| 7 | 2 | 1 | 34.060 | 34.285 | 34.285 | 0.0 | -0.225 | -0.147 |
| 6 | 3 | 2 | 192.059 | 188.396 | 188.396 | 0.0 | 3.703 | 1.170 |
| 5 | 3 | 3 | 49.281 | 48.874 | 48.874 | 0.0 | 0.408 | 0.333 |
| 0 | 6 | 0 | 292.117 | 310.330 | 310.330 | 0.0 | -18.192 | -3.497 * |
| 4 | 3 | 3 | 13.170 | 11.026 | 11.026 | 0.0 | 2.143 | 0.715 |
| 3 | 3 | 3 | 4.572 | 13.289 | -13.289 | 0.0 | -8.717 | -1.466 |
| 2 | 2 | 3 | 190.412 | 193.539 | -193.539 | 0.0 | -3.127 | -1.000 |
| 1 | 3 | 3 | 75.319 | 83.764 | 83.764 | 0.0 | -4.444 | -3.136 |
| 0 | 2 | 3 | 251.256 | 268.098 | 268.098 | 0.0 | -16.841 | -3.922 * |
| 1 | 2 | 3 | 43.115 | 50.541 | 50.541 | 0.0 | -2.426 | -2.107 |
| 3 | 2 | 3 | 20.672 | 19.113 | 19.113 | 0.0 | 1.559 | 0.861 |
| 2 | 2 | 3 | 31.853 | 30.503 | -30.503 | 0.0 | 1.350 | 1.000 |
| 5 | 2 | 3 | 14.038 | 15.494 | -15.494 | 0.0 | -1.455 | -0.503 |
| 6 | 2 | 3 | 7.901 | 3.051 | -3.051 | 0.0 | 4.850 | 1.176 |
| 7 | 2 | 3 | 42.172 | 38.007 | -38.007 | 0.0 | 4.165 | 3.045 |
| 8 | 2 | 3 | 79.729 | 76.831 | 76.831 | 0.0 | 1.898 | 1.299 |
| 9 | 2 | 3 | 8.572 | 3.079 | -3.079 | 0.0 | 5.893 | 1.366 |
| 10 | 2 | 3 | 6.468 | 7.158 | -7.158 | 0.0 | -0.689 | -0.125 |
| 11 | 2 | 3 | 7.018 | 0.423 | 0.423 | 0.0 | -6.395 | -1.255 |
| 12 | 2 | 3 | 82.884 | 83.480 | -83.480 | 0.0 | -0.466 | -0.322 |
| 13 | 2 | 3 | 30.387 | 31.866 | -31.866 | 0.0 | -1.479 | -0.894 |
| 15 | 2 | 3 | 29.415 | 26.824 | -26.824 | 0.0 | 2.591 | 1.440 |
| 0 | 6 | 0 | 291.634 | 310.330 | 310.330 | 0.0 | -18.696 | -3.609 * |
| 16 | 2 | 3 | 28.109 | 31.321 | 31.321 | 0.0 | -3.212 | -1.496 |
| 18 | 2 | 3 | 19.387 | 0.516 | -0.516 | 0.0 | 18.880 | 6.969 * |
| 18 | 1 | 2 | 16.456 | 20.670 | -20.670 | 0.0 | -4.214 | -1.159 |
| 17 | 1 | 3 | 19.093 | 17.543 | 17.543 | 0.0 | 1.550 | 0.608 |
| 16 | 1 | 3 | 4.903 | 4.282 | -4.282 | 0.0 | 0.623 | 0.298 |
| 14 | 1 | 2 | 13.256 | 13.315 | -13.315 | 0.0 | -0.058 | -0.018 |
| 11 | 1 | 3 | 12.939 | 9.532 | -9.532 | 0.0 | 3.377 | 0.988 |
| 10 | 1 | 3 | 62.749 | 59.287 | -59.287 | 0.0 | 3.662 | 2.746 |
| 9 | 1 | 3 | 18.470 | 16.724 | 16.724 | 0.0 | 1.745 | 0.735 |
| 7 | 1 | 3 | 19.513 | 15.521 | -15.521 | 0.0 | 3.992 | 1.968 |
| 6 | 1 | 3 | 24.832 | 25.449 | -25.449 | 0.0 | -0.617 | -0.383 |
| 5 | 1 | 3 | 30.082 | 30.770 | -30.770 | 0.0 | -0.688 | -0.489 |
| 3 | 1 | 3 | 8.451 | 10.872 | -10.872 | 0.0 | -2.421 | -0.694 |
| 2 | 1 | 3 | 67.770 | 67.909 | -67.909 | 0.0 | -0.339 | -0.772 |
| 0 | 6 | 0 | 290.406 | 310.330 | 310.330 | 0.0 | -19.924 | -3.868 * |
| 0 | 0 | 4 | 95.484 | 94.774 | -94.774 | 0.0 | 0.710 | 0.433 |
| 1 | 0 | 4 | 29.312 | 29.087 | -29.087 | 0.0 | -0.775 | -0.431 |
| 2 | 0 | 4 | 79.050 | 79.302 | 79.302 | 0.0 | -1.252 | -0.849 |
| 3 | 0 | 4 | 120.534 | 121.230 | 121.230 | 0.0 | -0.296 | -0.148 |
| 4 | 0 | 4 | 156.083 | 155.052 | 155.052 | 0.0 | 3.031 | 1.173 |
| 5 | 0 | 4 | 58.212 | 98.748 | -98.748 | 0.0 | -0.536 | -0.318 |
| 7 | 0 | 4 | 93.088 | 82.147 | -82.147 | 0.0 | 0.941 | 0.618 |
| 8 | 0 | 4 | 112.380 | 112.837 | -112.837 | 0.0 | -0.457 | -0.239 |
| 9 | 0 | 4 | 47.459 | 47.918 | 47.918 | 0.0 | -0.459 | -0.318 |
| 10 | 0 | 4 | 22.695 | 34.493 | -34.493 | 0.0 | -1.798 | -1.077 |
| 11 | 0 | 4 | 10.607 | 12.406 | -12.406 | 0.0 | -1.799 | -0.462 |
| 12 | 0 | 4 | 80.471 | 81.700 | 81.700 | 0.0 | -1.229 | -0.792 |
| 13 | 0 | 4 | 57.242 | 56.482 | -56.482 | 0.0 | 0.860 | 0.588 |
| 15 | 0 | 4 | 32.850 | 32.088 | -32.088 | 0.0 | 0.462 | 0.243 |
| 16 | 0 | 4 | 69.509 | 68.951 | -68.951 | 0.0 | 0.558 | 0.348 |

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| H | K | L | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 16 | 1 | 4 | 9.145 | 11.593 | 11.593 | 0.0 | -2.447 | -0.483 |
| 15 | 1 | 4 | 8.856 | 5.304 | -5.304 | 0.0 | 3.552 | 0.728 |
| 0 | 6 | 0 | 290.582 | 310.330 | 310.330 | 0.0 | -19.347 | -3.739 |
| 14 | 1 | 4 | 19.104 | 13.104 | -13.104 | 0.0 | 6.554 | 3.792 |
| 12 | 1 | 4 | 35.396 | 32.631 | 32.631 | 0.0 | 2.765 | 1.694 |
| 11 | 1 | 4 | 69.553 | 72.659 | -72.659 | 0.0 | -3.106 | -2.072 |
| 10 | 1 | 4 | 65.779 | 64.467 | 64.467 | 0.0 | 1.312 | 0.722 |
| 9 | 1 | 4 | 45.886 | 46.489 | 46.489 | 0.0 | -0.633 | -0.444 |
| 8 | 1 | 4 | 38.470 | 37.794 | 37.794 | 0.0 | 1.076 | 0.725 |
| 7 | 1 | 4 | 21.744 | 19.331 | -19.331 | 0.0 | 3.413 | 1.570 |
| 6 | 1 | 4 | 35.353 | 33.381 | -33.381 | 0.0 | 1.972 | 1.257 |
| 5 | 1 | 4 | 17.968 | 18.006 | 18.006 | 0.0 | -0.058 | -0.023 |
| 4 | 1 | 4 | 24.614 | 21.455 | 21.455 | 0.0 | 3.150 | 1.664 |
| 3 | 1 | 4 | 20.802 | 14.470 | -14.470 | 0.0 | 6.332 | 3.935 |
| 2 | 1 | 4 | 56.669 | 54.718 | 54.718 | 0.0 | 1.952 | 1.552 |
| 1 | 1 | 4 | 71.598 | 73.860 | 73.860 | 0.0 | -2.361 | -1.707 |
| 0 | 2 | 4 | 59.038 | 63.449 | -63.449 | 0.0 | -4.419 | -3.276 |
| 1 | 2 | 4 | 44.375 | 57.200 | 57.200 | 0.0 | -2.825 | -2.080 |
| 2 | 2 | 4 | 26.325 | 23.333 | -23.333 | 0.0 | 2.992 | 1.587 |
| 3 | 2 | 4 | 10.492 | 11.179 | 11.179 | 0.0 | -0.687 | -0.172 |
| 4 | 2 | 4 | 26.505 | 26.201 | 26.201 | 0.0 | 0.704 | 0.362 |
| 5 | 2 | 4 | 29.067 | 26.429 | 26.429 | 0.0 | 2.638 | 1.541 |
| 0 | 6 | 0 | 290.463 | 310.330 | 310.330 | 0.0 | -19.887 | -3.860 |
| 6 | 2 | 4 | 7.727 | 12.024 | -12.024 | 0.0 | -4.297 | -0.823 |
| 8 | 2 | 4 | 27.578 | 26.503 | 26.503 | 0.0 | 1.076 | 0.795 |
| 9 | 2 | 4 | 15.284 | 16.644 | 16.644 | 0.0 | -1.360 | -1.090 |
| 10 | 2 | 4 | 15.573 | 7.167 | -7.167 | 0.0 | 8.406 | 3.225 |
| 11 | 2 | 4 | 16.688 | 15.815 | 15.815 | 0.0 | 0.873 | 0.304 |
| 12 | 2 | 4 | 30.039 | 26.114 | 26.114 | 0.0 | 3.925 | 2.018 |
| 13 | 2 | 4 | 22.585 | 24.393 | -24.393 | 0.0 | -1.798 | -0.756 |
| 14 | 2 | 4 | 20.208 | 21.458 | 21.458 | 0.0 | -1.250 | -0.498 |
| 15 | 2 | 4 | 4.891 | 2.329 | 2.329 | 0.0 | 2.562 | 0.374 |
| 16 | 2 | 4 | 20.324 | 14.228 | -14.228 | 0.0 | 6.096 | 2.460 |
| 15 | 3 | 4 | 10.173 | 9.854 | 9.854 | 0.0 | 0.319 | 0.067 |
| 13 | 3 | 4 | 12.272 | 9.881 | 9.881 | 0.0 | 2.351 | 0.621 |
| 12 | 3 | 4 | 9.710 | 0.399 | 0.399 | 0.0 | 9.320 | 2.139 |
| 11 | 3 | 4 | 0.868 | 3.788 | -3.788 | 0.0 | -2.920 | -0.308 |
| 9 | 3 | 4 | 8.827 | 11.103 | 11.103 | 0.0 | -2.276 | -0.485 |
| 7 | 3 | 4 | 20.223 | 20.016 | 20.016 | 0.0 | 0.207 | 0.098 |
| 0 | 6 | 0 | 291.224 | 310.330 | 310.330 | 0.0 | -19.105 | -3.691 |
| 5 | 3 | 4 | 14.125 | 11.939 | -11.939 | 0.0 | 2.186 | 0.680 |
| 4 | 3 | 4 | 13.676 | 8.916 | -8.916 | 0.0 | 4.761 | 1.448 |
| 2 | 3 | 4 | 10.101 | 6.289 | -6.289 | 0.0 | 3.811 | 0.937 |
| 1 | 3 | 4 | 9.507 | 11.094 | -11.094 | 0.0 | -1.587 | -0.354 |
| 0 | 4 | 4 | 20.295 | 21.827 | -21.827 | 0.0 | -1.532 | -0.619 |
| 2 | 4 | 4 | 10.072 | 8.702 | -8.702 | 0.0 | 1.370 | 0.340 |
| 3 | 4 | 4 | 11.838 | 12.105 | -12.105 | 0.0 | -0.268 | -0.074 |
| 4 | 4 | 4 | 10.014 | 11.060 | -11.060 | 0.0 | -1.047 | -0.262 |
| 5 | 4 | 4 | 20.179 | 22.993 | -22.993 | 0.0 | -2.814 | -1.156 |
| 6 | 4 | 4 | 14.704 | 14.131 | -14.131 | 0.0 | 0.574 | 0.186 |
| 7 | 4 | 4 | 10.451 | 10.213 | -10.213 | 0.0 | 0.438 | 0.113 |
| 9 | 4 | 4 | 25.484 | 22.479 | 22.479 | 0.0 | 0.005 | 1.535 |
| 10 | 4 | 4 | 14.227 | 15.782 | -15.782 | 0.0 | -1.555 | -0.473 |

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| H | K | L | F(CRS) | F(CALC) | A(CALC) | P(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|---------|---------|---------|---------|---------|-------------|
| 11 | 4 | 4 | 7.015 | 4.668 | -4.668 | 0.0 | 3.247 | 0.648 |
| 13 | 4 | 4 | 0.050 | 11.394 | 11.794 | 0.0 | -2.336 | -0.472 |
| 0 | 6 | 0 | 299.068 | 310.230 | 310.330 | 0.0 | -21.261 | -4.151 * |
| 14 | 4 | 4 | 11.765 | 13.718 | 13.718 | 0.0 | -1.952 | -0.445 |
| 13 | 5 | 4 | 22.224 | 17.503 | -17.503 | 0.0 | 4.821 | 1.838 |
| 12 | 5 | 4 | 42.216 | 40.921 | -40.921 | 0.0 | 1.285 | 0.736 |
| 11 | 5 | 4 | 65.031 | 64.590 | -64.590 | 0.0 | 0.441 | 0.278 |
| 10 | 5 | 4 | 71.273 | 70.915 | -70.915 | 0.0 | 0.458 | 0.294 |
| 9 | 5 | 4 | 49.935 | 51.933 | -51.933 | 0.0 | -1.997 | -1.356 |
| 8 | 5 | 4 | 20.614 | 70.003 | -20.003 | 0.0 | 0.611 | 0.235 |
| 7 | 5 | 4 | 24.252 | 16.484 | -16.484 | 0.0 | 7.768 | 4.186 |
| 6 | 5 | 4 | 45.564 | 49.032 | 49.032 | 0.0 | -3.438 | -2.185 |
| 5 | 5 | 4 | 17.123 | 19.388 | 19.388 | 0.0 | -2.265 | -0.806 |
| 4 | 5 | 4 | 0.753 | 2.214 | 2.214 | 0.0 | 7.520 | 1.880 |
| 3 | 5 | 4 | 11.519 | 8.648 | -8.648 | 0.0 | 2.871 | 0.806 |
| 2 | 5 | 4 | 61.630 | 64.249 | -64.249 | 0.0 | -2.618 | -1.862 |
| 1 | 5 | 4 | 43.773 | 49.445 | -49.445 | 0.0 | -4.672 | -3.146 |
| 0 | 6 | 4 | 41.271 | 43.327 | -43.327 | 0.0 | -2.086 | -1.315 |
| 2 | 6 | 4 | 40.135 | 38.854 | 38.854 | 0.0 | 1.291 | 0.855 |
| 3 | 6 | 4 | 63.447 | 63.443 | 63.443 | 0.0 | 0.005 | 0.003 |
| 4 | 6 | 4 | 81.273 | 80.421 | 80.421 | 0.0 | 0.952 | 0.608 |
| 5 | 6 | 4 | 47.498 | 47.946 | -47.946 | 0.0 | 0.052 | 0.034 |
| 0 | 6 | 0 | 288.567 | 310.330 | 310.330 | 0.0 | -21.762 | -4.253 * |
| 6 | 6 | 4 | 8.268 | 12.291 | 12.291 | 0.0 | -4.062 | -0.772 |
| 7 | 6 | 4 | 24.179 | 25.258 | -25.258 | 0.0 | -1.079 | -0.435 |
| 8 | 6 | 4 | 54.914 | 53.037 | -53.037 | 0.0 | 1.879 | 1.237 |
| 9 | 6 | 4 | 7.090 | 9.439 | -9.439 | 0.0 | -1.509 | -0.781 |
| 10 | 6 | 4 | 4.442 | -0.536 | -0.536 | 0.0 | -5.092 | -0.680 |
| 8 | 7 | 4 | 22.570 | 20.270 | 20.270 | 0.0 | 2.300 | 0.992 |
| 7 | 7 | 4 | 11.114 | 2.732 | -2.732 | 0.0 | 8.282 | 1.963 |
| 6 | 7 | 4 | 7.073 | 0.262 | -0.262 | 0.0 | -1.288 | -0.240 |
| 5 | 7 | 4 | 13.676 | 11.390 | 11.390 | 0.0 | 2.287 | 0.658 |
| 3 | 7 | 4 | 3.198 | 8.072 | 8.072 | 0.0 | -5.775 | -0.720 |
| 2 | 7 | 4 | 11.201 | 1.768 | -1.768 | 0.0 | -9.632 | -2.520 |
| 1 | 7 | 4 | 5.547 | 9.035 | 9.035 | 0.0 | -3.088 | -0.495 |
| 0 | 8 | 4 | 39.146 | 36.712 | -36.712 | 0.0 | 2.435 | 1.431 |
| 1 | 8 | 4 | 23.454 | 12.263 | -12.263 | 0.0 | 11.191 | 4.949 * |
| 2 | 8 | 4 | 7.510 | 5.646 | -5.646 | 0.0 | 1.864 | 0.324 |
| 3 | 8 | 4 | 14.762 | 13.699 | 13.699 | 0.0 | 1.064 | 0.293 |
| 0 | 6 | 5 | 0.565 | 3.550 | -3.550 | 0.0 | 6.007 | 1.261 |
| 1 | 6 | 5 | 13.546 | 7.913 | -7.913 | 0.0 | 5.633 | 1.502 |
| 0 | 6 | 0 | 298.289 | 310.230 | 310.330 | 0.0 | -22.041 | -4.309 * |
| 3 | 6 | 5 | 16.008 | 11.849 | -11.849 | 0.0 | 4.159 | 1.276 |
| 7 | 5 | 5 | 34.354 | 32.507 | 32.507 | 0.0 | 1.887 | 1.023 |
| 5 | 5 | 5 | 22.527 | 23.769 | -23.769 | 0.0 | -1.243 | -0.466 |
| 3 | 5 | 5 | 13.488 | 0.054 | -0.054 | 0.0 | 3.534 | 0.957 |
| 2 | 5 | 5 | 3.198 | 4.774 | 4.774 | 0.0 | -1.576 | -0.204 |
| 1 | 5 | 5 | 22.923 | 21.304 | 21.304 | 0.0 | 1.628 | 0.725 |
| 0 | 4 | 5 | 5.455 | 7.055 | -7.055 | 0.0 | -1.600 | -0.266 |
| 1 | 4 | 5 | 15.667 | 1.106 | -1.106 | 0.0 | 12.541 | 3.833 * |
| 2 | 4 | 5 | 41.193 | 38.815 | 38.815 | 0.0 | 2.367 | 1.627 |
| 3 | 4 | 5 | 27.210 | 32.822 | -32.822 | 0.0 | -5.613 | -2.449 |
| 5 | 4 | 5 | 18.910 | 16.789 | 16.789 | 0.0 | 2.130 | 0.799 |

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| H | K | L | F(CRS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/STGMA |
|----|---|---|---------|---------|----------|---------|---------|-------------|
| 6 | 4 | 5 | 21.483 | 19.495 | 19.495 | 0.0 | 1.989 | 0.793 |
| 9 | 4 | 5 | 27.535 | 21.349 | -21.349 | 0.0 | 5.886 | 3.414 |
| 11 | 3 | 5 | 69.627 | 69.148 | -68.148 | 0.0 | 0.479 | 0.297 |
| 10 | 6 | 0 | 299.957 | 310.330 | 310.330 | 0.0 | -21.466 | -4.193 |
| 10 | 3 | 5 | 7.771 | 7.907 | 7.907 | 0.0 | -0.136 | -0.025 |
| 8 | 3 | 5 | 83.132 | 83.492 | 83.492 | 0.0 | -0.359 | -0.221 |
| 8 | 3 | 5 | 40.576 | 50.491 | -50.491 | 0.0 | -0.112 | -0.069 |
| 7 | 3 | 5 | 53.148 | 53.592 | 53.592 | 0.0 | -0.443 | -0.301 |
| 5 | 3 | 5 | 74.121 | 74.210 | -74.210 | 0.0 | -0.089 | -0.053 |
| 4 | 3 | 5 | 11.186 | 5.777 | -5.777 | 0.0 | 5.409 | 1.364 |
| 3 | 3 | 5 | 92.715 | 83.955 | -83.955 | 0.0 | -1.640 | -1.037 |
| 2 | 3 | 5 | 14.759 | 7.794 | 7.794 | 0.0 | 7.157 | 2.320 |
| 1 | 3 | 5 | 32.452 | 31.611 | 31.611 | 0.0 | 1.041 | 0.560 |
| 0 | 2 | 5 | 10.680 | 5.100 | 5.100 | 0.0 | 5.579 | 1.460 |
| 1 | 2 | 5 | 19.223 | 22.327 | 22.327 | 0.0 | -3.104 | -1.190 |
| 2 | 2 | 5 | 57.194 | 56.088 | -56.088 | 0.0 | 1.108 | 0.806 |
| 3 | 2 | 5 | 62.876 | 63.677 | 63.677 | 0.0 | -0.801 | -0.554 |
| 5 | 2 | 5 | 49.004 | 47.254 | -47.254 | 0.0 | 1.750 | 1.212 |
| 6 | 2 | 5 | 11.298 | 15.960 | -15.960 | 0.0 | -4.662 | -1.095 |
| 7 | 2 | 5 | 22.324 | 22.409 | -22.409 | 0.0 | -0.085 | -0.034 |
| 9 | 2 | 5 | 56.129 | 54.723 | 54.723 | 0.0 | 1.406 | 0.916 |
| 0 | 6 | 0 | 297.956 | 310.330 | 310.330 | 0.0 | -22.374 | -4.376 |
| 11 | 2 | 5 | 50.623 | 51.974 | 51.974 | 0.0 | -1.351 | -0.805 |
| 12 | 2 | 5 | 10.767 | 1.520 | 1.520 | 0.0 | 9.247 | 2.003 |
| 12 | 1 | 5 | 26.555 | 33.717 | 33.717 | 0.0 | 2.842 | 1.427 |
| 10 | 1 | 5 | 10.636 | 1.853 | -1.853 | 0.0 | 8.783 | 2.009 |
| 9 | 1 | 5 | 12.663 | 6.220 | 6.220 | 0.0 | 6.443 | 1.756 |
| 8 | 1 | 5 | 19.595 | 16.585 | 16.585 | 0.0 | 3.000 | 1.119 |
| 7 | 1 | 5 | 29.589 | 26.360 | 26.360 | 0.0 | 3.229 | 1.764 |
| 6 | 1 | 5 | 13.445 | 5.822 | -5.822 | 0.0 | 7.622 | 2.361 |
| 4 | 1 | 5 | 17.745 | 13.956 | 13.956 | 0.0 | 3.789 | 1.478 |
| 2 | 1 | 5 | 13.170 | 4.772 | 4.772 | 0.0 | 8.397 | 2.636 |
| 1 | 1 | 5 | 15.037 | 11.142 | 11.142 | 0.0 | 3.895 | 1.387 |
| 0 | 0 | 6 | 122.682 | 116.120 | -116.120 | 0.0 | 6.062 | 3.251 |
| 1 | 0 | 6 | 56.289 | 52.939 | -52.939 | 0.0 | 3.350 | 2.193 |
| 3 | 0 | 6 | 35.048 | 34.188 | -34.188 | 0.0 | 0.859 | 0.459 |
| 4 | 0 | 6 | 23.730 | 24.766 | 24.766 | 0.0 | -1.237 | -0.444 |
| 0 | 6 | 0 | 292.809 | 310.330 | 310.330 | 0.0 | -27.521 | -5.527 |
| 5 | 0 | 6 | 19.974 | 15.509 | 15.509 | 0.0 | 4.467 | 1.511 |
| 3 | 1 | 6 | 13.836 | 3.372 | 3.372 | 0.0 | 10.464 | 2.968 |
| 2 | 1 | 6 | 27.659 | 26.957 | 26.957 | 0.0 | 0.703 | 0.311 |
| 1 | 1 | 6 | 26.818 | 28.868 | -28.868 | 0.0 | -2.050 | -0.862 |
| 0 | 2 | 6 | 9.435 | -0.866 | -0.866 | 0.0 | 8.569 | 1.757 |
| 2 | 2 | 6 | 3.678 | 7.287 | 7.287 | 0.0 | -3.609 | -0.441 |
| 3 | 2 | 6 | 20.425 | 18.400 | -18.400 | 0.0 | 2.025 | 0.682 |
| 20 | 6 | 0 | 92.938 | 94.287 | -94.287 | 0.0 | -1.350 | -0.732 |
| 24 | 0 | 0 | 9.117 | 10.402 | -10.402 | 0.0 | -1.285 | -0.215 |
| 24 | 0 | 0 | 16.065 | 7.688 | 7.688 | 0.0 | 8.377 | 2.225 |
| 24 | 1 | 0 | 23.483 | 21.262 | -21.262 | 0.0 | 2.221 | 0.706 |
| 24 | 2 | 0 | 19.122 | 25.235 | 25.235 | 0.0 | -6.113 | -1.655 |
| 26 | 2 | 0 | 12.706 | 3.022 | 3.022 | 0.0 | 9.684 | 2.052 |
| 24 | 3 | 0 | 8.711 | 12.376 | -12.376 | 0.0 | -3.664 | -0.560 |
| 22 | 4 | 0 | 6.092 | 10.118 | -10.118 | 0.0 | -4.026 | -0.589 |

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| II | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DFLT F | DELTA/STGMA |
|----|----|---|---------|---------|---------|---------|--------|-------------|
| 24 | 4 | 0 | 15.402 | 19.342 | 10.342 | 0.0 | -3.450 | -0.033 |
| 22 | 5 | 0 | 18.673 | 14.821 | -14.821 | 0.0 | 3.852 | 1.209 |
| 20 | 6 | 0 | 01.124 | 04.287 | -04.287 | 0.0 | -3.163 | -1.690 * |
| 22 | 6 | 0 | 5.484 | 2.859 | -2.859 | 0.0 | 2.625 | 0.346 |
| 24 | 6 | 0 | 16.093 | 15.146 | -15.146 | 0.0 | 0.861 | 0.200 |
| 22 | 7 | 0 | 11.461 | 11.776 | -11.776 | 0.0 | -0.315 | -0.063 |
| 20 | 7 | 0 | 0.319 | 0.005 | 0.005 | 0.0 | 5.316 | 1.773 |
| 18 | 7 | 0 | 21.164 | 15.655 | 15.655 | 0.0 | 5.509 | 2.234 |
| 20 | 6 | 0 | 00.912 | 04.287 | -04.287 | 0.0 | -3.476 | -1.917 * |
| 16 | 8 | 0 | 46.541 | 48.871 | -48.871 | 0.0 | -2.330 | -1.279 |
| 20 | 8 | 0 | 1.447 | 0.318 | -0.318 | 0.0 | 1.120 | 0.107 |
| 22 | 8 | 0 | 13.807 | 0.781 | -0.781 | 0.0 | 13.025 | 2.763 * |
| 20 | 9 | 0 | 15.110 | 3.215 | 3.215 | 0.0 | 11.895 | 2.738 * |
| 16 | 9 | 0 | 19.360 | 0.550 | -0.550 | 0.0 | 10.810 | 2.325 * |
| 14 | 9 | 0 | 12.281 | 14.650 | 14.650 | 0.0 | 3.631 | 1.124 |
| 10 | 10 | 0 | 8.726 | 0.687 | 0.687 | 0.0 | 8.039 | 1.513 |
| 12 | 10 | 0 | 19.267 | 16.485 | 16.485 | 0.0 | 1.781 | 0.562 |
| 14 | 11 | 0 | 51.807 | 50.759 | -50.759 | 0.0 | 1.148 | 0.579 |
| 12 | 11 | 0 | 6.290 | 0.319 | 0.319 | 0.0 | 6.261 | 0.403 |
| 10 | 11 | 0 | 10.289 | 12.176 | -12.176 | 0.0 | -1.887 | -0.340 |
| 8 | 11 | 0 | 1.735 | 0.362 | -0.362 | 0.0 | 1.374 | 0.133 |
| 6 | 11 | 0 | 4.726 | 53.682 | -53.682 | 0.0 | 1.043 | 0.632 |
| 20 | 6 | 0 | 92.851 | 54.287 | -54.287 | 0.0 | -1.736 | -0.949 * |
| 0 | 12 | 0 | 64.048 | 61.145 | 61.145 | 0.0 | 2.904 | 1.684 |
| 6 | 12 | 0 | 15.167 | 2.789 | 2.789 | 0.0 | 12.408 | 3.258 * |
| 8 | 12 | 0 | 15.130 | 12.860 | 12.860 | 0.0 | 2.278 | 0.541 |
| 10 | 12 | 0 | 6.454 | 2.444 | 2.444 | 0.0 | 4.010 | 0.544 |
| 12 | 12 | 0 | 24.846 | 19.207 | -19.207 | 0.0 | 5.639 | 1.809 |
| 6 | 13 | 0 | 5.426 | 2.584 | 2.584 | 0.0 | 2.842 | 0.345 |
| 2 | 13 | 0 | 20.744 | 20.900 | 20.900 | 0.0 | -0.156 | -0.042 |
| 5 | 13 | 1 | 17.743 | 3.476 | -3.476 | 0.0 | 14.486 | 4.348 * |
| 5 | 13 | 1 | 10.289 | 0.025 | -0.025 | 0.0 | 10.264 | 1.991 * |
| 4 | 13 | 1 | 11.534 | 4.690 | 4.690 | 0.0 | 6.844 | 1.274 |
| 2 | 13 | 1 | 11.375 | 5.699 | 5.699 | 0.0 | 5.676 | 1.108 |
| 0 | 13 | 1 | 6.930 | 5.752 | -5.752 | 0.0 | 1.078 | 0.157 |
| 1 | 13 | 1 | 12.026 | 2.382 | 2.382 | 0.0 | 9.644 | 2.115 |
| 20 | 6 | 0 | 93.248 | 44.287 | -44.287 | 0.0 | -0.799 | -0.437 * |
| 3 | 12 | 1 | 12.105 | 6.220 | 6.220 | 0.0 | 6.375 | 1.444 |
| 4 | 12 | 1 | 15.521 | 6.751 | 6.751 | 0.0 | 9.169 | 2.563 |
| 5 | 12 | 1 | 18.190 | 12.323 | -12.323 | 0.0 | -4.133 | -0.625 |
| 6 | 12 | 1 | 0.001 | 4.266 | 4.266 | 0.0 | 4.735 | 0.828 |
| 7 | 12 | 1 | 8.769 | 2.425 | -2.425 | 0.0 | 6.344 | 1.024 |
| 9 | 12 | 1 | 9.212 | 3.125 | 3.125 | 0.0 | 6.108 | 1.060 |
| 11 | 12 | 1 | 12.617 | 4.603 | 4.603 | 0.0 | 6.016 | 1.605 |
| 15 | 11 | 1 | 12.214 | 11.101 | -11.101 | 0.0 | 1.113 | 0.220 |
| 14 | 11 | 1 | 16.630 | 13.053 | 13.053 | 0.0 | 3.877 | 0.915 |
| 13 | 11 | 1 | 14.294 | 10.472 | 10.472 | 0.0 | 3.812 | 0.872 |
| 12 | 11 | 1 | 17.198 | 3.050 | 3.050 | 0.0 | 14.058 | 4.166 * |
| 11 | 11 | 1 | 17.383 | 14.486 | 14.486 | 0.0 | 2.858 | 0.772 |
| 10 | 11 | 1 | 11.062 | 8.897 | -8.897 | 0.0 | 2.154 | 0.516 |
| 7 | 11 | 1 | 22.554 | 18.905 | -18.905 | 0.0 | 4.650 | 1.763 |
| 20 | 6 | 0 | 91.887 | 94.287 | -94.287 | 0.0 | -2.420 | -1.313 * |
| 6 | 11 | 1 | 22.562 | 21.265 | 21.265 | 0.0 | 1.697 | 0.600 |

| H | K | L | F (OBS) | F (CALC) | A (CALC) | R (CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|----------|----------|----------|---------|-------------|
| 8 | 11 | 1 | 22.725 | 22.725 | 22.725 | 0.0 | 1.788 | 0.652 |
| 4 | 11 | 1 | 16.226 | 11.081 | 11.081 | 0.0 | 5.245 | 1.542 |
| 3 | 11 | 1 | 10.781 | 10.386 | 10.386 | 0.0 | 0.395 | 0.093 |
| 10 | 10 | 1 | 4.891 | 16.744 | -15.744 | 0.0 | 0.364 | 0.114 |
| 11 | 10 | 1 | 13.561 | 11.064 | -11.064 | 0.0 | 3.382 | 0.456 |
| 12 | 10 | 1 | 7.177 | 10.710 | -10.710 | 0.0 | 1.506 | 0.383 |
| 18 | 10 | 1 | 12.417 | 10.170 | -10.170 | 0.0 | -3.542 | -0.534 |
| 19 | 9 | 1 | 18.919 | 15.147 | 15.147 | 0.0 | 2.238 | 0.443 |
| 18 | 9 | 1 | 13.740 | 14.010 | -14.010 | 0.0 | 3.771 | 1.029 |
| 17 | 9 | 1 | 15.703 | 17.440 | -17.440 | 0.0 | -0.271 | -0.061 |
| 16 | 9 | 1 | 8.538 | 14.059 | -14.059 | 0.0 | -1.737 | -0.385 |
| 15 | 0 | 1 | 15.294 | 0.710 | -0.710 | 0.0 | -6.321 | -0.973 |
| 20 | 6 | 0 | 92.258 | 94.287 | -94.287 | 0.0 | 14.564 | 4.023 |
| 14 | 9 | 1 | 15.226 | 8.566 | 8.566 | 0.0 | -1.989 | -1.098 |
| 13 | 0 | 1 | 6.546 | 6.318 | -6.318 | 0.0 | 6.660 | 1.716 |
| 16 | 8 | 1 | 24.542 | 28.414 | 28.414 | 0.0 | 0.627 | 0.101 |
| 17 | 8 | 1 | 26.020 | 23.247 | -23.247 | 0.0 | -3.872 | -1.428 |
| 18 | 8 | 1 | 20.425 | 17.828 | -17.828 | 0.0 | 2.774 | 1.093 |
| 20 | 8 | 1 | 10.911 | 7.700 | -7.700 | 0.0 | 2.597 | 0.894 |
| 21 | 8 | 1 | 18.426 | 4.607 | -4.607 | 0.0 | 3.212 | 0.598 |
| 22 | 8 | 1 | 25.078 | 21.592 | -21.592 | 0.0 | 14.419 | 4.484 |
| 23 | 7 | 1 | 7.105 | 1.957 | 1.957 | 0.0 | 3.486 | 1.221 |
| 22 | 7 | 1 | 8.381 | 8.056 | -8.056 | 0.0 | 5.148 | 0.724 |
| 21 | 7 | 1 | 7.555 | -5.594 | -5.594 | 0.0 | -1.674 | -0.222 |
| 20 | 7 | 1 | 15.356 | 0.181 | 0.181 | 0.0 | 2.071 | 0.322 |
| 19 | 7 | 1 | 17.441 | 15.163 | -15.163 | 0.0 | 15.175 | 4.175 |
| 18 | 7 | 1 | 4.413 | 6.291 | -6.291 | 0.0 | 2.279 | 0.645 |
| 20 | 6 | 1 | 14.681 | 7.697 | -7.697 | 0.0 | -1.978 | -0.240 |
| 22 | 6 | 1 | 5.902 | 2.250 | -2.250 | 0.0 | 6.964 | 1.829 |
| 23 | 6 | 1 | 10.607 | 1.039 | -1.039 | 0.0 | 3.553 | 0.489 |
| 20 | 6 | 0 | 91.689 | 94.287 | -94.287 | 0.0 | 0.569 | 1.749 |
| 24 | 6 | 1 | 7.797 | 4.054 | -4.054 | 0.0 | -2.599 | -1.421 |
| 25 | 5 | 1 | 15.806 | 9.711 | -9.711 | 0.0 | 3.543 | 0.505 |
| 24 | 5 | 1 | 11.317 | 3.543 | -3.543 | 0.0 | 6.195 | 1.506 |
| 23 | 5 | 1 | 9.522 | 5.739 | -5.739 | 0.0 | 7.774 | 1.424 |
| 21 | 5 | 1 | 17.963 | 16.053 | -16.053 | 0.0 | 3.783 | 0.568 |
| 22 | 4 | 1 | 16.226 | 11.611 | -11.611 | 0.0 | 1.910 | 0.568 |
| 22 | 4 | 1 | 29.849 | 31.673 | -31.673 | 0.0 | 4.715 | 1.345 |
| 23 | 4 | 1 | 24.018 | 23.388 | -23.388 | 0.0 | -2.824 | -1.173 |
| 24 | 4 | 1 | 16.746 | 15.684 | -15.684 | 0.0 | 1.531 | 0.536 |
| 25 | 4 | 1 | 24.875 | 20.460 | -20.460 | 0.0 | 1.063 | 0.266 |
| 26 | 4 | 1 | 9.898 | 14.370 | -14.370 | 0.0 | 4.415 | 1.378 |
| 26 | 3 | 1 | 17.615 | 11.896 | -11.896 | 0.0 | -4.472 | -0.585 |
| 23 | 3 | 1 | 28.530 | 30.686 | -30.686 | 0.0 | 4.472 | 0.585 |
| 22 | 3 | 1 | 37.227 | 38.755 | -38.755 | 0.0 | 5.720 | 1.473 |
| 22 | 2 | 1 | 34.583 | 38.335 | -38.335 | 0.0 | -2.157 | -0.821 |
| 23 | 2 | 1 | 43.089 | 42.406 | -42.406 | 0.0 | -1.528 | -0.735 |
| 20 | 2 | 0 | 90.601 | 94.287 | -94.287 | 0.0 | -3.752 | -1.757 |
| 24 | 2 | 1 | 17.731 | 27.837 | -27.837 | 0.0 | 0.683 | 0.211 |
| 25 | 2 | 1 | 32.884 | 34.017 | -34.017 | 0.0 | -3.386 | -1.609 |
| 26 | 2 | 1 | 21.045 | 20.532 | -20.532 | 0.0 | -10.106 | -2.295 |
| 26 | 1 | 1 | 12.142 | 5.726 | -5.726 | 0.0 | -1.133 | -0.476 |
| | | | | | | | 0.516 | 0.194 |
| | | | | | | | 6.416 | 1.266 |

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| H | K | L | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA | |
|----|----|---|---------|---------|---------|---------|-------------|----------|
| 25 | 1 | 1 | 4.138 | 7.360 | -7.060 | 0.0 | -2.921 | -0.336 |
| 24 | 1 | 1 | 20.291 | 3.873 | -3.873 | 0.0 | 16.407 | 6.326 * |
| 22 | 1 | 1 | 11.085 | 0.000 | 0.000 | 0.0 | 10.986 | 2.364 * |
| 23 | 0 | 2 | 61.206 | 65.707 | 65.707 | 0.0 | -4.502 | -2.605 |
| 24 | 0 | 2 | 67.766 | 72.937 | 72.937 | 0.0 | -5.191 | -2.946 |
| 24 | 0 | 2 | 16.456 | 18.727 | 18.727 | 0.0 | -2.270 | -0.542 |
| 25 | 0 | 2 | 33.073 | 37.070 | 37.070 | 0.0 | -4.898 | -1.853 |
| 26 | 0 | 2 | 25.629 | 19.029 | 19.029 | 0.0 | 6.600 | 2.322 |
| 24 | 1 | 2 | 12.078 | 16.598 | 16.598 | 0.0 | -4.500 | -0.873 |
| 23 | 1 | 2 | 29.341 | 31.286 | 31.286 | 0.0 | -2.045 | -1.173 |
| 22 | 2 | 2 | 5.631 | 13.147 | 13.147 | 0.0 | -6.215 | -0.904 |
| 22 | 2 | 2 | 23.440 | 20.687 | -20.687 | 0.0 | 2.753 | 1.021 |
| 20 | 4 | 0 | 60.203 | 64.287 | -64.287 | 0.0 | -4.085 | -2.200 * |
| 23 | 2 | 3 | 4.284 | 2.488 | 2.488 | 0.0 | 1.896 | 0.237 |
| 26 | 2 | 2 | 14.603 | 8.355 | -8.355 | 0.0 | 6.248 | 1.366 |
| 26 | 3 | 2 | 13.155 | 0.403 | 0.403 | 0.0 | 12.752 | 2.645 * |
| 24 | 3 | 2 | 3.878 | 5.573 | -5.573 | 0.0 | -1.695 | -0.190 |
| 22 | 3 | 2 | 12.614 | 1.793 | 1.793 | 0.0 | 10.826 | 2.544 * |
| 21 | 4 | 2 | 14.545 | 0.072 | 0.072 | 0.0 | 14.473 | 3.874 * |
| 22 | 4 | 2 | 11.679 | 14.089 | -14.089 | 0.0 | -2.411 | -0.463 |
| 25 | 4 | 2 | 7.698 | 9.791 | -9.791 | 0.0 | -2.092 | -0.294 |
| 24 | 5 | 2 | 10.680 | 0.522 | -0.522 | 0.0 | 10.157 | 1.813 * |
| 23 | 5 | 2 | 23.106 | 20.889 | -20.889 | 0.0 | 2.217 | 0.735 |
| 22 | 5 | 2 | 10.709 | 14.191 | -14.191 | 0.0 | -3.482 | -0.620 |
| 21 | 5 | 2 | 17.268 | 20.702 | 20.702 | 0.0 | -3.434 | -0.865 |
| 30 | 6 | 0 | 90.207 | 94.287 | -94.287 | 0.0 | -3.981 | -2.094 * |
| 20 | 5 | 2 | 5.730 | 8.956 | -8.956 | 0.0 | -2.326 | -0.316 |
| 19 | 5 | 2 | 19.716 | 19.526 | 19.526 | 0.0 | 0.189 | 0.060 |
| 18 | 6 | 2 | 18.050 | 11.502 | 11.502 | 0.0 | 6.547 | 2.132 |
| 19 | 6 | 2 | 19.687 | 21.600 | 21.600 | 0.0 | -1.914 | -0.562 |
| 21 | 6 | 2 | 10.265 | 11.554 | -11.554 | 0.0 | -1.308 | -0.231 |
| 22 | 6 | 2 | 33.755 | 35.933 | 35.933 | 0.0 | -2.177 | -0.920 |
| 23 | 6 | 2 | 41.615 | 38.759 | -38.759 | 0.0 | 2.656 | 1.268 |
| 21 | 7 | 2 | 9.203 | 4.886 | 4.886 | 0.0 | 4.317 | 0.735 |
| 20 | 7 | 2 | 4.601 | 0.220 | 0.220 | 0.0 | 4.381 | 0.530 |
| 19 | 7 | 2 | 12.619 | 2.098 | -2.098 | 0.0 | 10.522 | 2.399 * |
| 17 | 7 | 2 | 11.693 | 5.711 | -5.711 | 0.0 | 5.982 | 1.329 |
| 15 | 8 | 2 | 17.097 | 12.540 | -12.540 | 0.0 | 4.467 | 1.290 |
| 17 | 8 | 2 | 8.659 | 8.068 | 8.068 | 0.0 | 0.831 | 0.139 |
| 18 | 8 | 2 | 19.647 | 11.295 | -11.295 | 0.0 | 8.652 | 3.078 |
| 20 | 8 | 2 | 9.409 | 10.318 | -10.318 | 0.0 | -0.710 | -0.117 |
| 20 | 6 | 0 | 91.733 | 94.287 | -94.287 | 0.0 | -2.554 | -1.408 * |
| 18 | 9 | 2 | 9.710 | 9.865 | -9.865 | 0.0 | -0.156 | -0.025 |
| 17 | 9 | 2 | 13.752 | 9.175 | 9.175 | 0.0 | 4.617 | 1.909 |
| 16 | 9 | 2 | 11.751 | 9.044 | -9.044 | 0.0 | 2.707 | 0.558 |
| 12 | 9 | 2 | 5.004 | 6.712 | -6.712 | 0.0 | -0.008 | -0.116 |
| 9 | 10 | 2 | 9.768 | 4.706 | -4.706 | 0.0 | 3.062 | 0.581 |
| 11 | 10 | 2 | 18.180 | 15.153 | -15.153 | 0.0 | 3.027 | 0.897 |
| 12 | 10 | 2 | 15.255 | 0.207 | 0.207 | 0.0 | 15.048 | 4.108 * |
| 13 | 10 | 2 | 13.256 | 5.374 | 5.374 | 0.0 | 7.882 | 1.809 |
| 15 | 10 | 2 | 9.203 | 8.490 | 8.490 | 0.0 | 0.713 | 0.118 |
| 16 | 10 | 2 | 13.242 | 4.210 | -4.210 | 0.0 | 9.032 | 1.968 |
| 14 | 11 | 2 | 13.865 | 3.751 | -3.751 | 0.0 | 10.114 | 2.329 * |

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| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 20 | 6 | 0 | 80.946 | 94.287 | -94.287 | 0.0 | -44.441 | -2.374 * |
| 13 | 11 | 2 | 3.719 | 1.559 | 1.559 | 0.0 | 2.160 | 0.240 |
| 12 | 11 | 2 | 32.158 | 28.800 | 28.800 | 0.0 | 3.358 | 1.419 |
| 11 | 11 | 2 | 32.415 | 29.427 | 29.427 | 0.0 | 2.987 | 1.257 |
| 10 | 11 | 2 | 8.465 | 15.210 | 15.210 | 0.0 | -6.745 | -0.983 |
| 9 | 11 | 2 | 34.612 | 35.374 | -35.374 | 0.0 | -0.762 | -0.310 |
| 8 | 11 | 2 | 22.382 | 24.229 | 24.229 | 0.0 | -1.848 | -0.557 |
| 7 | 11 | 2 | 5.788 | 13.823 | -13.823 | 0.0 | -8.035 | -1.034 |
| 5 | 11 | 2 | 17.224 | 24.622 | 24.622 | 0.0 | -7.398 | -1.799 |
| 3 | 11 | 2 | 25.194 | 24.860 | 25.860 | 0.0 | -0.666 | -0.229 |
| 2 | 11 | 2 | 18.961 | 10.305 | 10.305 | 0.0 | 8.655 | 2.734 |
| 1 | 11 | 2 | 13.950 | 13.339 | -13.339 | 0.0 | 0.611 | 0.116 |
| 0 | 12 | 2 | 11.806 | 2.798 | -2.798 | 0.0 | 8.011 | 1.577 |
| 1 | 12 | 2 | 14.617 | 2.671 | -2.671 | 0.0 | 12.147 | 2.913 * |
| 2 | 12 | 2 | 23.559 | 26.033 | -26.033 | 0.0 | -2.474 | -0.760 |
| 3 | 12 | 2 | 21.730 | 21.625 | -21.625 | 0.0 | 0.105 | 0.032 |
| 4 | 12 | 2 | 12.127 | 10.040 | -10.040 | 0.0 | 2.088 | 0.460 |
| 5 | 12 | 2 | 20.324 | 13.399 | -13.399 | 0.0 | 6.925 | 2.134 |
| 6 | 12 | 2 | 8.956 | 7.812 | -7.812 | 0.0 | 1.144 | 0.167 |
| 20 | 6 | 0 | 91.391 | 94.287 | -94.287 | 0.0 | -2.896 | -1.559 * |
| 9 | 12 | 2 | 19.447 | 13.249 | -13.249 | 0.0 | 6.698 | 1.918 |
| 4 | 13 | 2 | 9.826 | 7.810 | -7.810 | 0.0 | 2.016 | 0.328 |
| 1 | 13 | 2 | 6.729 | 8.935 | -8.935 | 0.0 | -2.206 | -0.287 |
| 0 | 12 | 3 | 13.256 | 13.037 | -13.037 | 0.0 | 0.219 | 0.046 |
| 1 | 12 | 3 | 12.591 | 4.666 | -4.666 | 0.0 | 7.925 | 1.690 |
| 2 | 12 | 3 | 11.505 | 2.144 | 2.144 | 0.0 | 9.361 | 1.786 |
| 4 | 12 | 3 | 17.769 | 3.203 | 3.203 | 0.0 | 14.166 | 2.960 * |
| 6 | 12 | 3 | 13.300 | 0.295 | 0.295 | 0.0 | 13.004 | 2.807 * |
| 12 | 11 | 3 | 8.147 | 1.832 | -1.832 | 0.0 | 6.315 | 0.940 |
| 11 | 11 | 3 | 14.516 | 2.901 | -2.901 | 0.0 | 11.615 | 2.665 * |
| 10 | 11 | 3 | 27.007 | 24.398 | -24.398 | 0.0 | 2.609 | 0.895 |
| 20 | 6 | 0 | 91.451 | 94.287 | -94.287 | 0.0 | -2.837 | -1.564 * |
| 9 | 11 | 3 | 8.017 | 5.713 | 5.713 | 0.0 | 2.304 | 0.367 |
| 6 | 11 | 3 | 6.772 | 11.448 | 11.448 | 0.0 | -4.676 | -0.602 |
| 4 | 11 | 3 | 12.605 | 1.463 | 1.463 | 0.0 | 11.142 | 2.507 * |
| 3 | 11 | 3 | 10.130 | 5.650 | -5.650 | 0.0 | 4.480 | 0.841 |
| 2 | 11 | 3 | 28.982 | 26.408 | -26.408 | 0.0 | 2.574 | 0.922 |
| 1 | 11 | 3 | 10.029 | 3.792 | -3.792 | 0.0 | 6.236 | 1.131 |
| 0 | 10 | 3 | 16.210 | 11.714 | -11.714 | 0.0 | 4.497 | 1.333 |
| 1 | 10 | 3 | 11.128 | 2.446 | 2.446 | 0.0 | 8.683 | 1.851 |
| 2 | 10 | 3 | 12.272 | 0.747 | -0.747 | 0.0 | 11.525 | 2.628 * |
| 3 | 10 | 3 | 15.107 | 12.402 | -12.402 | 0.0 | 2.795 | 0.694 |
| 4 | 10 | 3 | 33.610 | 33.119 | -33.119 | 0.0 | 0.491 | 0.235 |
| 6 | 10 | 3 | 8.610 | 0.368 | -0.368 | 0.0 | 7.762 | 1.372 |
| 7 | 10 | 3 | 11.215 | 1.462 | 1.462 | 0.0 | 9.753 | 1.976 |
| 9 | 10 | 3 | 8.726 | 6.543 | -6.543 | 0.0 | 2.182 | 0.370 |
| 10 | 10 | 3 | 12.706 | 1.493 | 1.493 | 0.0 | 11.213 | 2.413 * |
| 20 | 6 | 0 | 89.885 | 94.287 | -94.287 | 0.0 | -5.302 | -2.813 * |
| 12 | 10 | 3 | 12.444 | 3.569 | -3.569 | 0.0 | 8.876 | 1.929 |
| 17 | 9 | 3 | 5.937 | 3.596 | 3.596 | 0.0 | 2.091 | 0.267 |
| 16 | 9 | 3 | 9.015 | 2.426 | -2.426 | 0.0 | 6.589 | 1.007 |
| 14 | 9 | 3 | 66.175 | 64.483 | -64.483 | 0.0 | 1.692 | 0.981 |
| 13 | 9 | 3 | 23.585 | 17.448 | -17.448 | 0.0 | 6.137 | 2.392 |

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| H | K | I | F(CBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/STORA |
|----|---|---|--------|---------|---------|---------|---------|-------------|
| 12 | 0 | 3 | 0.710 | 1.866 | -1.866 | 0.0 | 7.866 | 1.457 |
| 10 | 0 | 3 | 7.207 | 15.758 | 15.758 | 0.0 | -8.451 | -1.232 |
| 9 | 0 | 3 | 3.444 | 0.378 | 0.378 | 0.0 | 3.066 | 0.359 |
| 12 | 8 | 3 | 34.282 | 30.629 | -30.629 | 0.0 | -5.336 | -2.268 |
| 13 | 8 | 3 | 16.688 | 14.577 | -14.577 | 0.0 | 2.111 | 0.879 |
| 15 | 8 | 3 | 18.151 | 13.223 | -13.223 | 0.0 | 4.928 | 1.429 |
| 16 | 8 | 3 | 21.170 | 19.931 | -19.931 | 0.0 | 1.248 | 0.405 |
| 17 | 8 | 3 | 13.112 | 1.270 | 1.270 | 0.0 | 11.833 | 2.538 |
| 19 | 0 | 0 | 91.525 | 94.287 | -94.287 | 0.0 | -2.762 | -1.511 |
| 19 | 8 | 3 | 15.079 | 14.212 | -14.212 | 0.0 | 1.767 | 0.603 |
| 21 | 7 | 3 | 5.602 | 1.856 | 1.856 | 0.0 | 3.946 | 0.494 |
| 18 | 7 | 3 | 11.964 | 3.225 | -3.225 | 0.0 | 8.743 | 1.840 |
| 17 | 7 | 3 | 12.060 | 6.370 | 6.370 | 0.0 | 5.670 | 1.205 |
| 16 | 6 | 3 | 16.254 | 4.212 | -4.212 | 0.0 | 12.042 | 3.797 |
| 17 | 6 | 2 | 16.850 | 2.014 | -2.014 | 0.0 | 12.936 | 3.945 |
| 18 | 6 | 3 | 9.493 | 1.820 | 1.820 | 0.0 | 7.673 | 1.763 |
| 20 | 6 | 3 | 10.874 | 11.032 | 11.032 | 0.0 | -0.208 | -0.049 |
| 21 | 6 | 3 | 14.125 | 5.984 | 5.984 | 0.0 | 8.141 | 1.814 |
| 22 | 6 | 3 | 14.690 | 3.585 | -3.585 | 0.0 | 11.105 | 2.635 |
| 22 | 5 | 3 | 11.780 | 11.445 | 11.445 | 0.0 | 0.335 | 0.061 |
| 21 | 5 | 3 | 10.290 | 5.171 | -5.171 | 0.0 | 5.219 | 0.909 |
| 20 | 5 | 3 | 8.074 | 3.179 | 3.179 | 0.0 | 4.956 | 0.760 |
| 20 | 6 | 0 | 93.860 | 94.287 | -94.287 | 0.0 | -0.427 | -0.233 |
| 18 | 5 | 3 | 24.339 | 26.170 | -26.170 | 0.0 | -1.831 | -0.644 |
| 10 | 4 | 3 | 8.798 | 34.453 | -34.453 | 0.0 | -3.345 | -0.581 |
| 20 | 4 | 3 | 38.070 | 39.102 | -39.102 | 0.0 | -1.031 | -0.500 |
| 24 | 4 | 3 | 11.474 | 18.787 | -18.787 | 0.0 | -7.311 | -1.177 |
| 23 | 3 | 3 | 15.139 | 7.458 | -7.458 | 0.0 | 7.681 | 1.842 |
| 22 | 3 | 3 | 27.761 | 26.634 | -26.634 | 0.0 | 1.127 | 0.420 |
| 21 | 3 | 3 | 30.068 | 28.886 | -28.886 | 0.0 | 1.182 | 0.506 |
| 20 | 3 | 3 | 16.876 | 0.216 | 0.216 | 0.0 | 16.660 | 4.759 |
| 20 | 2 | 3 | 67.775 | 71.995 | -71.995 | 0.0 | -4.220 | -2.499 |
| 23 | 2 | 3 | 9.232 | 3.079 | 3.079 | 0.0 | 6.153 | 1.012 |
| 24 | 2 | 3 | 7.944 | 13.463 | -13.463 | 0.0 | -5.519 | -0.755 |
| 20 | 6 | 0 | 93.265 | 94.287 | -94.287 | 0.0 | -1.022 | -0.568 |
| 21 | 1 | 3 | 7.742 | 0.025 | 0.025 | 0.0 | 7.717 | 1.120 |
| 22 | 1 | 3 | 12.574 | 5.567 | -5.567 | 0.0 | 7.009 | 1.355 |
| 21 | 1 | 3 | 13.674 | 2.912 | -2.912 | 0.0 | 10.964 | 2.413 |
| 18 | 0 | 4 | 12.851 | 10.364 | -10.364 | 0.0 | -6.513 | -1.410 |
| 19 | 0 | 4 | 18.297 | 10.723 | 10.723 | 0.0 | 7.674 | 2.397 |
| 20 | 0 | 4 | 26.412 | 27.333 | -27.333 | 0.0 | -0.921 | -0.351 |
| 22 | 0 | 4 | 16.949 | 14.385 | -14.385 | 0.0 | 2.564 | 0.629 |
| 23 | 0 | 4 | 27.790 | 27.952 | -27.952 | 0.0 | -0.162 | -0.054 |
| 23 | 1 | 4 | 12.663 | 1.394 | 1.394 | 0.0 | 11.269 | 2.205 |
| 22 | 1 | 4 | 17.427 | 17.789 | -17.789 | 0.0 | -0.362 | -0.094 |
| 19 | 1 | 4 | 8.364 | 15.717 | -15.717 | 0.0 | -7.353 | -1.142 |
| 19 | 1 | 4 | 19.750 | 24.128 | 24.128 | 0.0 | -4.360 | -1.267 |
| 19 | 2 | 4 | 11.128 | 2.111 | 2.111 | 0.0 | 9.017 | 1.876 |
| 19 | 2 | 4 | 14.710 | 6.557 | 6.557 | 0.0 | 8.151 | 2.113 |
| 20 | 2 | 4 | 14.052 | 14.919 | -14.919 | 0.0 | -0.866 | -0.186 |
| 20 | 6 | 0 | 71.555 | 94.287 | -94.287 | 0.0 | -2.732 | -1.493 |
| 21 | 2 | 4 | 14.994 | 9.978 | -9.978 | 0.0 | 5.016 | 1.228 |
| 16 | 4 | 4 | 13.503 | 5.447 | 5.447 | 0.0 | 8.056 | 2.038 |

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| H | K | L | F(PBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|--------|---------|---------|---------|---------|-------------|
| 17 | 4 | 4 | 12.054 | 6.807 | -6.807 | 0.0 | 6.247 | 1.410 |
| 19 | 4 | 4 | 16.804 | 16.249 | 16.249 | 0.0 | 0.555 | 0.135 |
| 20 | 4 | 4 | 11.007 | 3.581 | -3.581 | 0.0 | 7.416 | 1.624 |
| 21 | 4 | 4 | 7.385 | 17.590 | -17.590 | 0.0 | -9.253 | -1.331 |
| 22 | 4 | 4 | 10.611 | 12.891 | 12.891 | 0.0 | -1.080 | -0.330 |
| 21 | 4 | 4 | 20.991 | 21.806 | 21.806 | 0.0 | -0.815 | -0.229 |
| 20 | 5 | 4 | 17.108 | 0.259 | 0.259 | 0.0 | 16.850 | 4.475 |
| 19 | 5 | 4 | 19.048 | 26.530 | 26.530 | 0.0 | -7.583 | -1.811 |
| 20 | 5 | 0 | 91.509 | 94.287 | -94.287 | 0.0 | -2.688 | -1.482 |
| 18 | 5 | 4 | 26.281 | 28.759 | -28.759 | 0.0 | -2.378 | -0.820 |
| 17 | 5 | 4 | 15.776 | 16.776 | -16.776 | 0.0 | -1.001 | -0.269 |
| 15 | 5 | 4 | 14.036 | 9.462 | 9.462 | 0.0 | 2.974 | 1.286 |
| 13 | 5 | 4 | 41.852 | 43.882 | -43.882 | 0.0 | -2.030 | -1.125 |
| 14 | 6 | 4 | 9.527 | 2.375 | 2.375 | 0.0 | 7.552 | 1.437 |
| 15 | 6 | 4 | 23.193 | 26.472 | -26.472 | 0.0 | -3.278 | -0.988 |
| 16 | 6 | 4 | 41.663 | 40.486 | -40.486 | 0.0 | 1.177 | 0.608 |
| 17 | 6 | 4 | 24.237 | 25.622 | 25.622 | 0.0 | -1.385 | -0.475 |
| 19 | 6 | 4 | 5.166 | 4.228 | -4.228 | 0.0 | 0.938 | 0.111 |
| 20 | 6 | 4 | 19.397 | 12.899 | 12.899 | 0.0 | 6.498 | 1.416 |
| 19 | 7 | 4 | 13.575 | 9.428 | -9.428 | 0.0 | 5.147 | 1.384 |
| 17 | 7 | 4 | 6.700 | 4.053 | 4.053 | 0.0 | 2.647 | 0.379 |
| 16 | 7 | 4 | 11.554 | 15.989 | -15.989 | 0.0 | -3.935 | -0.733 |
| 15 | 7 | 4 | 21.643 | 23.330 | -23.330 | 0.0 | -1.687 | -0.508 |
| 14 | 7 | 4 | 12.783 | 10.375 | 10.375 | 0.0 | 2.419 | 0.525 |
| 13 | 7 | 4 | 13.720 | 15.174 | 15.174 | 0.0 | -1.454 | -0.349 |
| 12 | 7 | 4 | 19.426 | 17.561 | 17.561 | 0.0 | 1.865 | 0.585 |
| 20 | 8 | 0 | 89.405 | 94.287 | -94.287 | 0.0 | -4.783 | -2.519 |
| 11 | 7 | 4 | 25.527 | 23.332 | -23.332 | 0.0 | 2.195 | 0.658 |
| 8 | 8 | 4 | 26.630 | 23.037 | -23.037 | 0.0 | 3.592 | 1.416 |
| 9 | 8 | 4 | 15.598 | 23.659 | 23.659 | 0.0 | -8.071 | -1.846 |
| 11 | 8 | 4 | 16.601 | 3.089 | 3.089 | 0.0 | 13.512 | 3.703 |
| 12 | 8 | 4 | 24.860 | 20.590 | 20.590 | 0.0 | 4.270 | 1.473 |
| 13 | 8 | 4 | 14.972 | 0.184 | -0.184 | 0.0 | 5.795 | 1.371 |
| 14 | 8 | 4 | 11.447 | 8.887 | 8.887 | 0.0 | 2.560 | 0.504 |
| 16 | 8 | 4 | 13.532 | 13.316 | -13.316 | 0.0 | 0.216 | 0.045 |
| 17 | 8 | 4 | 9.277 | 1.733 | 1.733 | 0.0 | 7.644 | 1.246 |
| 15 | 9 | 4 | 11.071 | 1.558 | 1.558 | 0.0 | 0.512 | 1.711 |
| 13 | 9 | 4 | 8.305 | 3.483 | -3.483 | 0.0 | 4.843 | 0.729 |
| 11 | 9 | 4 | 11.422 | 6.869 | -6.869 | 0.0 | 4.564 | 0.896 |
| 10 | 9 | 4 | 3.502 | 10.115 | 10.115 | 0.0 | -6.613 | -0.707 |
| 9 | 9 | 4 | 17.822 | 9.885 | 9.885 | 0.0 | 7.948 | 2.296 |
| 8 | 9 | 4 | 13.387 | 1.049 | 1.049 | 0.0 | 12.337 | 2.749 |
| 7 | 9 | 4 | 0.623 | 1.253 | 1.253 | 0.0 | 8.370 | 1.518 |
| 20 | 4 | 0 | 90.649 | 94.287 | -94.287 | 0.0 | -3.639 | -2.008 |
| 6 | 9 | 4 | 16.167 | 7.805 | -7.805 | 0.0 | 8.361 | 2.338 |
| 2 | 9 | 4 | 4.590 | 2.513 | -2.513 | 0.0 | 1.887 | 0.245 |
| 3 | 9 | 4 | 7.423 | 9.323 | -9.323 | 0.0 | -1.899 | -0.271 |
| 1 | 9 | 4 | 5.281 | 7.264 | 7.264 | 0.0 | -1.983 | -0.267 |
| 0 | 10 | 4 | 3.429 | 0.896 | -0.896 | 0.0 | 2.534 | 0.280 |
| 1 | 10 | 4 | 16.659 | 10.378 | 10.078 | 0.0 | 6.592 | 1.796 |
| 3 | 10 | 4 | 14.781 | 15.257 | -15.257 | 0.0 | -0.466 | -0.103 |
| 4 | 10 | 4 | 15.646 | 15.513 | -15.513 | 0.0 | 0.132 | 0.032 |
| 5 | 10 | 4 | 14.400 | 16.714 | 16.714 | 0.0 | -2.313 | -0.506 |

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| H | K | L | F(CALC) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|----|---|---------|---------|---------|---------|---------|-------------|
| 6 | 10 | 4 | 10.130 | 3.814 | -2.814 | 0.0 | 6.316 | 1.164 |
| 7 | 10 | 4 | 4.657 | 6.1P5 | 6.1P6 | 0.0 | -1.527 | -0.1P0 |
| 8 | 10 | 4 | 12.952 | 0.154 | 0.154 | 0.0 | 3.799 | 0.758 |
| 10 | 10 | 4 | 12.661 | 0.605 | -0.605 | 0.0 | 12.058 | 2.509 |
| 12 | 10 | 4 | 11.983 | 6.288 | -6.288 | 0.0 | 5.694 | 1.032 |
| 20 | 6 | 0 | 02.262 | 94.287 | -94.287 | 0.0 | -2.926 | -1.585 |
| 7 | 11 | 4 | 5.368 | 1.224 | 1.224 | 0.0 | 4.144 | 0.511 |
| 6 | 11 | 4 | 21.730 | 13.943 | 13.943 | 0.0 | 7.787 | 2.571 |
| 2 | 11 | 4 | 16.264 | 21.155 | -21.155 | 0.0 | -4.987 | -1.068 |
| 1 | 11 | 4 | 15.602 | 20.333 | -20.333 | 0.0 | -4.731 | -1.002 |
| 1 | 10 | 5 | 6.483 | 10.453 | 10.453 | 0.0 | -3.970 | -0.512 |
| 2 | 10 | 5 | 10.035 | 18.996 | 18.996 | 0.0 | 0.038 | 0.010 |
| 3 | 10 | 5 | 13.213 | 5.047 | -5.047 | 0.0 | 9.166 | 1.684 |
| 6 | 10 | 5 | 10.422 | 7.474 | 7.474 | 0.0 | 3.148 | 0.527 |
| 11 | 9 | 5 | 27.601 | 22.092 | -22.092 | 0.0 | 5.509 | 1.880 |
| 10 | 9 | 5 | 15.153 | 1.979 | 1.979 | 0.0 | 13.174 | 1.023 |
| 9 | 9 | 5 | 30.024 | 27.729 | 27.729 | 0.0 | 2.295 | 0.846 |
| 8 | 9 | 5 | 17.428 | 25.591 | -25.591 | 0.0 | -8.463 | -1.837 |
| 7 | 9 | 5 | 17.021 | 10.721 | 10.721 | 0.0 | 6.800 | 1.726 |
| 20 | 6 | 0 | 00.752 | 94.287 | -94.287 | 0.0 | -3.535 | -1.950 |
| 5 | 9 | 5 | 22.121 | 20.063 | -20.063 | 0.0 | 2.058 | 0.612 |
| 4 | 9 | 5 | 6.764 | 8.539 | -8.539 | 0.0 | 0.231 | 0.036 |
| 3 | 9 | 5 | 32.939 | 29.472 | -29.472 | 0.0 | 2.863 | 1.210 |
| 1 | 9 | 5 | 12.025 | 5.133 | 5.133 | 0.0 | 6.893 | 1.376 |
| 1 | 9 | 5 | 13.447 | 10.058 | 10.058 | 0.0 | 3.589 | 0.821 |
| 2 | 8 | 5 | 38.472 | 34.914 | -34.914 | 0.0 | 0.058 | 0.021 |
| 3 | 8 | 5 | 36.632 | 37.823 | 37.823 | 0.0 | -1.192 | -0.552 |
| 4 | 8 | 5 | 1.577 | 3.950 | 3.950 | 0.0 | -2.413 | -0.234 |
| 5 | 8 | 5 | 27.527 | 27.378 | -27.378 | 0.0 | 0.151 | 0.056 |
| 7 | 8 | 5 | 11.215 | 17.648 | -17.648 | 0.0 | -6.432 | -1.157 |
| 8 | 8 | 5 | 40.863 | 36.955 | -36.955 | 0.0 | 3.907 | 2.132 |
| 10 | 8 | 5 | 7.206 | 2.920 | 2.920 | 0.0 | 4.386 | 0.631 |
| 11 | 8 | 5 | 30.775 | 32.011 | 32.011 | 0.0 | -1.232 | -0.469 |
| 12 | 8 | 5 | 5.297 | 1.416 | 1.416 | 0.0 | 3.982 | 0.474 |
| 14 | 8 | 5 | 20.121 | 9.013 | 9.013 | 0.0 | 11.108 | 3.378 |
| 20 | 6 | 0 | 00.143 | 94.287 | -94.287 | 0.0 | -4.144 | -2.250 |
| 16 | 7 | 5 | 11.765 | 3.490 | 3.490 | 0.0 | 8.275 | 1.520 |
| 12 | 7 | 5 | 17.000 | 18.098 | 18.098 | 0.0 | -0.208 | -0.055 |
| 11 | 7 | 5 | 4.732 | 9.177 | 9.177 | 0.0 | -4.445 | -0.529 |
| 10 | 7 | 5 | 8.760 | 3.705 | -3.705 | 0.0 | 3.036 | 0.840 |
| 9 | 7 | 5 | 12.171 | 10.034 | -10.034 | 0.0 | 2.137 | 0.429 |
| 8 | 7 | 5 | 22.570 | 19.864 | 19.864 | 0.0 | 2.706 | 0.924 |
| 4 | 7 | 5 | 10.436 | 15.808 | 15.808 | 0.0 | -5.172 | -0.893 |
| 3 | 7 | 5 | 22.396 | 23.136 | 23.136 | 0.0 | -0.740 | -0.267 |
| 2 | 7 | 5 | 3.632 | 1.055 | 1.055 | 0.0 | 2.577 | 0.304 |
| 0 | 6 | 5 | 26.398 | 9.835 | -9.835 | 0.0 | 16.562 | 5.975 |
| 20 | 6 | 0 | 02.262 | 94.287 | -94.287 | 0.0 | -1.304 | -0.781 |
| 15 | 6 | 5 | 15.056 | 1.559 | -1.559 | 0.0 | 13.507 | 3.392 |
| 15 | 6 | 5 | 9.084 | 13.126 | 13.126 | 0.0 | 7.918 | 1.227 |
| 14 | 6 | 5 | 6.812 | 2.457 | 2.457 | 0.0 | 3.854 | 0.504 |
| 17 | 6 | 5 | 6.758 | 7.314 | -7.314 | 0.0 | -0.556 | -0.072 |
| 16 | 5 | 5 | 14.603 | 5.121 | 5.121 | 0.0 | 9.482 | 2.133 |
| 15 | 5 | 5 | 13.430 | 10.565 | 10.565 | 0.0 | 2.865 | 0.601 |

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| H | K | L | F(OPS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|--------|---------|---------|---------|---------|-------------|
| 14 | 5 | 5 | 11.706 | 0.548 | -0.548 | 0.0 | 11.058 | 2.240 * |
| 13 | 5 | 5 | 18.745 | 21.500 | -21.500 | 0.0 | -2.755 | -0.734 |
| 12 | 5 | 5 | 23.251 | 23.689 | 23.689 | 0.0 | -0.436 | -0.156 |
| 11 | 5 | 5 | 8.002 | 12.250 | -12.250 | 0.0 | -4.248 | -0.678 |
| 12 | 4 | 5 | 13.937 | 0.136 | 0.136 | 0.0 | 13.801 | 3.666 * |
| 17 | 4 | 5 | 22.860 | 19.692 | -19.692 | 0.0 | 3.168 | 1.056 |
| 18 | 4 | 5 | 27.166 | 18.227 | -18.227 | 0.0 | 8.939 | 3.525 |
| 20 | 6 | 0 | 88.941 | 94.287 | -94.287 | 0.0 | -5.347 | -2.929 * |
| 19 | 3 | 5 | 19.239 | 16.127 | -16.127 | 0.0 | 3.211 | 0.866 |
| 17 | 3 | 5 | 41.694 | 43.049 | 43.049 | 0.0 | -1.050 | -0.512 |
| 16 | 3 | 5 | 31.780 | 37.335 | -37.335 | 0.0 | -5.559 | -2.226 |
| 15 | 3 | 5 | 31.548 | 24.639 | 24.639 | 0.0 | 6.910 | 3.352 |
| 14 | 3 | 5 | 7.694 | 0.052 | 0.052 | 0.0 | 7.631 | 1.212 |
| 13 | 3 | 5 | 21.135 | 17.034 | -17.034 | 0.0 | 4.101 | 1.367 |
| 14 | 2 | 5 | 13.980 | 10.674 | 10.674 | 0.0 | 3.306 | 0.785 |
| 15 | 2 | 5 | 20.483 | 17.539 | -17.539 | 0.0 | 2.944 | 0.741 |
| 16 | 2 | 5 | 5.745 | 0.952 | -0.952 | 0.0 | 4.793 | 0.647 |
| 17 | 2 | 5 | 26.678 | 30.656 | 30.656 | 0.0 | -3.678 | -1.268 |
| 18 | 2 | 5 | 18.151 | 14.662 | 14.662 | 0.0 | 3.489 | 0.927 |
| 19 | 2 | 5 | 13.401 | 8.021 | 8.021 | 0.0 | 5.380 | 1.126 |
| 20 | 2 | 5 | 19.556 | 1.447 | -1.447 | 0.0 | 18.109 | 5.362 * |
| 21 | 2 | 5 | 14.791 | 0.862 | -0.862 | 0.0 | 4.930 | 1.088 |
| 21 | 1 | 5 | 14.777 | 8.858 | -8.858 | 0.0 | 5.919 | 1.302 |
| 19 | 1 | 5 | 7.155 | 1.741 | -1.741 | 0.0 | 5.913 | 0.859 |
| 20 | 6 | 0 | 91.168 | 94.287 | -94.287 | 0.0 | -3.119 | -1.720 |
| 17 | 1 | 5 | 8.249 | 6.519 | -6.519 | 0.0 | 1.729 | 0.255 |
| 16 | 1 | 5 | 9.911 | 7.112 | -7.112 | 0.0 | 2.659 | 0.473 |
| 9 | 0 | 6 | 17.094 | 8.056 | -8.056 | 0.0 | 8.998 | 2.644 |
| 10 | 0 | 6 | 12.489 | 9.886 | 9.886 | 0.0 | 2.604 | 0.557 |
| 12 | 0 | 6 | 43.351 | 43.743 | 43.743 | 0.0 | -0.392 | -0.156 |
| 13 | 0 | 6 | 40.761 | 39.530 | 39.530 | 0.0 | 1.230 | 0.571 |
| 15 | 0 | 6 | 38.143 | 38.688 | 38.688 | 0.0 | -0.545 | -0.242 |
| 16 | 0 | 6 | 21.193 | 23.871 | -23.871 | 0.0 | -2.678 | -0.714 |
| 17 | 0 | 6 | 12.576 | 0.616 | -0.616 | 0.0 | 11.960 | 2.347 * |
| 18 | 0 | 6 | 9.305 | 2.095 | 2.095 | 0.0 | 7.210 | 1.122 |
| 16 | 1 | 4 | 7.307 | 10.753 | 10.753 | 0.0 | -3.445 | -0.462 |
| 15 | 1 | 4 | 14.802 | 10.823 | -10.823 | 0.0 | 3.678 | 0.799 |
| 14 | 1 | 4 | 47.958 | 47.662 | -47.662 | 0.0 | 0.336 | 0.175 |
| 13 | 1 | 4 | 22.672 | 26.670 | 26.670 | 0.0 | -3.998 | -1.164 |
| 20 | 6 | 0 | 92.849 | 94.287 | -94.287 | 0.0 | -1.435 | -0.766 * |
| 11 | 1 | 6 | 1.360 | 4.482 | -4.482 | 0.0 | -3.122 | -0.296 |
| 10 | 1 | 6 | 25.773 | 14.774 | -14.774 | 0.0 | 8.999 | 3.673 |
| 9 | 1 | 6 | 14.415 | 5.571 | -5.571 | 0.0 | 8.864 | 2.174 |
| 8 | 2 | 6 | 6.658 | 4.131 | 4.131 | 0.0 | 2.757 | 0.435 |
| 10 | 2 | 6 | 18.875 | 6.683 | -6.683 | 0.0 | 12.193 | 3.915 * |
| 11 | 2 | 6 | 15.264 | 17.572 | -17.572 | 0.0 | -2.288 | -0.539 |
| 12 | 2 | 6 | 9.319 | 9.339 | 9.339 | 0.0 | -0.010 | -0.003 |
| 13 | 2 | 6 | 15.095 | 4.841 | -4.841 | 0.0 | 10.254 | 2.450 * |
| 14 | 2 | 6 | 15.544 | 1.971 | -1.971 | 0.0 | 13.573 | 3.408 * |
| 15 | 2 | 6 | 16.729 | 1.167 | -1.167 | 0.0 | 15.362 | 3.828 * |
| 16 | 2 | 6 | 13.763 | 17.434 | -17.434 | 0.0 | -3.671 | -0.697 |
| 17 | 2 | 6 | 13.705 | 6.838 | -6.838 | 0.0 | 6.867 | 1.407 * |
| 14 | 3 | 6 | 10.526 | 0.224 | 0.224 | 0.0 | 10.702 | 1.901 * |

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| H | K | I | F(OBS) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|--------|---------|---------|---------|---------|-------------|
| 12 | 3 | 6 | 19.205 | 2.626 | -2.026 | 0.0 | 16.370 | 4.768 * |
| 10 | 3 | 6 | 13.734 | 3.717 | 3.717 | 0.0 | 10.017 | 2.345 * |
| 20 | 6 | 0 | 88.778 | 64.287 | -64.287 | 0.0 | -5.510 | -2.043 * |
| 7 | 3 | 6 | 11.603 | 5.138 | 5.138 | 0.0 | 6.555 | 1.406 |
| 7 | 3 | 6 | 7.090 | 5.496 | -5.496 | 0.0 | 1.594 | 0.250 |
| 6 | 2 | 6 | 16.963 | 10.235 | -10.235 | 0.0 | -6.728 | 1.964 |
| 3 | 4 | 6 | 20.223 | 20.985 | -20.985 | 0.0 | -0.762 | -0.233 |
| 4 | 4 | 6 | 12.866 | 11.759 | 11.759 | 0.0 | 1.106 | 0.244 |
| 6 | 4 | 6 | 11.172 | 6.313 | -6.313 | 0.0 | 6.859 | 1.398 |
| 7 | 4 | 6 | 11.375 | 9.412 | -9.412 | 0.0 | 1.963 | 0.404 |
| 8 | 4 | 6 | 17.354 | 6.636 | 6.636 | 0.0 | 10.718 | 3.109 * |
| 8 | 4 | 6 | 7.348 | 5.890 | -5.890 | 0.0 | 2.458 | 0.417 |
| 12 | 4 | 6 | 12.142 | 9.047 | -9.047 | 0.0 | 3.094 | 0.590 |
| 12 | 4 | 6 | 6.666 | 6.315 | -6.315 | 0.0 | -1.659 | -0.216 |
| 15 | 4 | 6 | 16.473 | 0.707 | -0.707 | 0.0 | 13.765 | 3.077 * |
| 16 | 4 | 6 | 7.436 | 2.257 | -2.257 | 0.0 | 6.180 | 0.888 |
| 14 | 5 | 6 | 49.068 | 35.003 | -35.003 | 0.0 | 1.045 | 0.473 |
| 13 | 5 | 6 | 30.242 | 27.049 | -27.049 | 0.0 | 3.193 | 1.279 |
| 20 | 6 | 0 | 89.722 | 64.287 | -64.287 | 0.0 | -4.545 | -2.668 * |
| 12 | 5 | 6 | 4.164 | 1.564 | -1.564 | 0.0 | 2.632 | 0.282 |
| 11 | 6 | 6 | 29.136 | 6.425 | -6.425 | 0.0 | 13.711 | 4.114 * |
| 10 | 6 | 6 | 12.764 | 3.979 | 3.979 | 0.0 | 8.785 | 1.073 |
| 8 | 5 | 6 | 15.501 | 1.680 | 1.680 | 0.0 | 13.820 | 3.396 * |
| 7 | 5 | 6 | 18.422 | 22.250 | -22.250 | 0.0 | -3.824 | -0.989 |
| 4 | 5 | 6 | 46.002 | 50.432 | -50.432 | 0.0 | -4.431 | -2.188 |
| 5 | 5 | 6 | 18.444 | 20.099 | -20.099 | 0.0 | -1.645 | -0.467 |
| 2 | 5 | 6 | 24.716 | 27.363 | -27.363 | 0.0 | -2.648 | -0.961 |
| 1 | 5 | 6 | 39.481 | 40.227 | -40.227 | 0.0 | -0.746 | -0.410 |
| 0 | 6 | 6 | 75.675 | 80.236 | -80.236 | 0.0 | -4.560 | -2.691 |
| 1 | 6 | 6 | 29.022 | 31.625 | -31.625 | 0.0 | -2.573 | -0.980 |
| 2 | 6 | 6 | 13.622 | 12.929 | 12.929 | 0.0 | 0.733 | 0.157 |
| 3 | 6 | 6 | 16.399 | 8.230 | -8.230 | 0.0 | 8.168 | 2.212 |
| 4 | 6 | 6 | 5.782 | 5.911 | -5.911 | 0.0 | 3.871 | 0.662 |
| 5 | 6 | 6 | 27.852 | 14.876 | 14.876 | 0.0 | 12.987 | 5.930 |
| 7 | 6 | 6 | 31.214 | 31.914 | -31.914 | 0.0 | -0.700 | -0.273 |
| 20 | 6 | 0 | 91.857 | 64.287 | -64.287 | 0.0 | -2.435 | -1.343 * |
| 8 | 6 | 6 | 23.744 | 23.753 | -23.753 | 0.0 | -0.008 | -0.003 |
| 10 | 6 | 6 | 9.073 | 2.122 | -2.122 | 0.0 | 6.952 | 1.044 |
| 12 | 6 | 6 | 28.370 | 31.035 | -31.035 | 0.0 | -2.665 | -0.854 |
| 13 | 6 | 6 | 16.759 | 22.279 | -22.279 | 0.0 | -2.520 | -0.600 |
| 11 | 7 | 6 | 14.024 | 1.733 | -1.733 | 0.0 | 12.291 | 2.604 * |
| 10 | 7 | 6 | 17.427 | 17.917 | -17.917 | 0.0 | -0.490 | -0.111 |
| 9 | 7 | 6 | 16.355 | 8.198 | -8.198 | 0.0 | 8.158 | 1.976 |
| 7 | 7 | 6 | 13.651 | 8.300 | -8.300 | 0.0 | 5.391 | 1.146 |
| 6 | 7 | 6 | 17.557 | 20.395 | -20.395 | 0.0 | -2.837 | -0.669 |
| 4 | 7 | 6 | 11.952 | 5.522 | -5.522 | 0.0 | 6.330 | 1.264 |
| 2 | 7 | 6 | 10.664 | 6.609 | -6.609 | 0.0 | 4.085 | 0.737 |
| 2 | 8 | 6 | 4.049 | 0.119 | 0.119 | 0.0 | 4.830 | 0.566 |
| 20 | 6 | 0 | 90.222 | 64.287 | -64.287 | 0.0 | -4.025 | -2.203 * |
| 3 | 8 | 6 | 20.005 | 15.242 | -15.242 | 0.0 | 4.763 | 1.320 |
| 4 | 8 | 6 | 18.596 | 21.572 | -21.572 | 0.0 | -2.986 | -0.716 |
| 5 | 8 | 6 | 14.560 | 15.956 | -15.956 | 0.0 | 12.603 | 2.720 * |
| 7 | 8 | 6 | 5.991 | 7.429 | -7.429 | 0.0 | -1.439 | -0.174 |

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| H | K | L | F(DRF) | F(CALC) | A(CALC) | B(CALC) | DELTA F | DELTA/SIGMA |
|----|---|---|--------|---------|---------|---------|---------|-------------|
| 3 | 6 | 7 | 16.008 | 1.483 | -1.483 | 0.0 | 14.525 | 1.459 * |
| 4 | 6 | 7 | 12.923 | 7.492 | -7.492 | 0.0 | 5.441 | 1.065 |
| 7 | 5 | 7 | 15.066 | 8.225 | 8.226 | 0.0 | 6.841 | 1.507 |
| 6 | 5 | 7 | 15.003 | 13.707 | -13.707 | 0.0 | 2.287 | 0.493 |
| 2 | 5 | 7 | 13.285 | 14.628 | 14.628 | 0.0 | -1.343 | -0.260 |
| 1 | 5 | 7 | 15.361 | 5.965 | -5.965 | 0.0 | 9.376 | 2.202 |
| 0 | 4 | 7 | 10.159 | 2.642 | -2.642 | 0.0 | 7.516 | 1.132 |
| 1 | 4 | 7 | 6.747 | 18.993 | 18.993 | 0.0 | -12.140 | -1.493 * |
| 2 | 4 | 7 | 8.814 | 8.675 | -8.675 | 0.0 | 0.239 | 0.036 |
| 20 | 6 | 0 | 90.365 | 94.287 | -94.287 | 0.0 | -3.921 | -2.146 * |
| 4 | 4 | 7 | 20.701 | 16.902 | -16.902 | 0.0 | 3.799 | 1.102 |
| 5 | 4 | 7 | 17.934 | 20.183 | 20.183 | 0.0 | -2.249 | -0.516 |
| 6 | 4 | 7 | 7.059 | 3.139 | -3.139 | 0.0 | 4.619 | 0.678 |
| 7 | 4 | 7 | 16.630 | 8.278 | 8.278 | 0.0 | 8.353 | 2.045 |
| 8 | 4 | 7 | 8.665 | 10.838 | 10.838 | 0.0 | -2.375 | -0.331 |
| 11 | 3 | 7 | 31.301 | 37.233 | -37.233 | 0.0 | -5.932 | -1.703 |
| 10 | 3 | 7 | 42.390 | 44.765 | 44.765 | 0.0 | -2.374 | -0.965 |
| 9 | 3 | 7 | 14.169 | 15.699 | 15.699 | 0.0 | -1.531 | -0.291 |
| 8 | 3 | 7 | 10.636 | 4.835 | 4.835 | 0.0 | 5.801 | 0.868 |
| 7 | 3 | 7 | 12.669 | 4.878 | -4.878 | 0.0 | 7.582 | 1.443 |
| 6 | 3 | 7 | 21.469 | 31.813 | -31.813 | 0.0 | -10.344 | -2.479 * |
| 5 | 3 | 7 | 15.703 | 10.363 | 10.363 | 0.0 | 5.341 | 1.272 |
| 4 | 3 | 7 | 9.189 | 2.302 | 2.302 | 0.0 | 6.887 | 1.125 |
| 2 | 3 | 7 | 44.853 | 47.965 | 47.965 | 0.0 | -3.012 | -1.407 |
| 1 | 3 | 7 | 25.151 | 25.713 | 25.713 | 0.0 | -3.562 | -1.198 |
| 0 | 2 | 7 | 11.650 | 14.094 | -14.094 | 0.0 | -5.335 | -1.015 |
| 20 | 6 | 0 | 91.183 | 94.297 | -94.297 | 0.0 | -3.104 | -1.684 * |
| 1 | 2 | 7 | 18.823 | 18.611 | -18.611 | 0.0 | 0.322 | 0.092 |
| 2 | 2 | 7 | 10.796 | 7.840 | 7.840 | 0.0 | 2.956 | 0.521 |
| 3 | 2 | 7 | 10.115 | 21.243 | 21.243 | 0.0 | -11.128 | -1.739 * |
| 4 | 2 | 7 | 35.040 | 38.256 | 38.256 | 0.0 | -3.208 | -1.314 |
| 5 | 2 | 7 | 23.251 | 24.374 | -24.374 | 0.0 | -1.123 | -0.347 |
| 6 | 2 | 7 | 4.486 | 2.626 | 2.626 | 0.0 | 1.859 | 0.237 |
| 7 | 2 | 7 | 2.489 | 9.475 | -9.475 | 0.0 | -6.987 | -0.640 |
| 8 | 2 | 7 | 12.084 | 25.760 | -25.760 | 0.0 | -13.676 | -2.192 * |
| 10 | 2 | 7 | 6.700 | 2.223 | -2.223 | 0.0 | 4.477 | 0.560 |
| 11 | 2 | 7 | 13.851 | 13.609 | -13.609 | 0.0 | 0.442 | 0.088 |
| 12 | 2 | 7 | 23.237 | 21.555 | 21.555 | 0.0 | 1.682 | 0.518 |
| 12 | 1 | 7 | 5.200 | 1.434 | 1.434 | 3.0 | 3.775 | 0.426 |
| 11 | 1 | 7 | 7.727 | 8.751 | 8.751 | 0.0 | -1.024 | -0.139 |
| 9 | 1 | 7 | 16.225 | 14.530 | -14.530 | 0.0 | 1.695 | 0.386 |
| 8 | 1 | 7 | 6.053 | 5.054 | -5.054 | 0.0 | 1.009 | 0.132 |
| 7 | 1 | 7 | 18.708 | 5.567 | -5.567 | 0.0 | 12.612 | 3.659 * |
| 6 | 1 | 7 | 10.274 | 3.191 | -3.191 | 0.0 | 7.003 | 1.265 |
| 5 | 1 | 7 | 11.693 | 11.659 | -11.659 | 0.0 | 0.034 | 0.006 |
| 20 | 6 | 0 | 90.223 | 94.287 | -94.287 | 0.0 | -4.055 | -2.202 * |
| 3 | 1 | 7 | 11.968 | 1.125 | -1.125 | 0.0 | 10.843 | 2.194 * |
| 1 | 1 | 7 | 12.359 | 9.541 | -9.541 | 0.0 | 2.818 | 0.564 |

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