

```

.. H.-----
SFAC H 0.493002 10.510890 0.322912 26.125700 0.140191 3.142360 =
0.040810 57.799690 0.003038 0.000 0.000 0.62 0.32
..HE.-----
SFAC HE 0.873400 9.103700 0.630900 3.356800 0.311200 22.927589 =
0.178000 0.982100 0.006400 0.000 0.000 1.34 0.93
..LI.-----
SFAC LI 1.128200 3.954600 0.750800 1.052400 0.617500 85.390503 =
0.465300 168.261002 0.037700 0.000 0.000 2.27 1.23
..BE.-----
SFAC BE 1.591900 43.642700 1.127800 1.862300 0.539100 103.483002 =
0.702900 0.542000 0.038500 0.000 0.000 3.67 0.90
.. B.-----
SFAC B 2.054500 23.218500 1.332600 1.021000 1.097900 60.349789 =
0.706800 0.140300 -0.193200 0.000 0.001 6.19 0.82
.. C.-----
SFAC C 2.310000 20.843901 1.020000 10.207500 1.588600 0.568700 =
0.865000 51.651192 0.215600 0.002 0.002 10.67 0.77
.. N.-----
SFAC N 12.212590 0.005700 3.132200 9.893300 2.012500 28.997490 =
1.166300 0.582600 -11.529000 0.004 0.003 18.37 0.75
.. O.-----
SFAC O 3.048500 13.277090 2.286800 5.701100 1.546300 0.323900 =
0.867000 32.908901 0.250800 0.008 0.006 30.48 0.73
.. F.-----
SFAC F 3.539200 10.282500 2.641200 4.294400 1.517000 0.261500 =
1.024300 26.147591 0.277600 0.014 0.010 49.99 0.72
..NE.-----
SFAC NE 3.955300 8.404200 3.112500 3.426200 1.454600 0.230600 =
1.125100 21.718390 0.351500 0.021 0.016 74.02 0.71
..NA.-----
SFAC NA 4.762600 3.285000 3.173600 8.842200 1.267400 0.313600 =
1.112800 129.423904 0.676000 0.030 0.025 112.20 1.54
..MG.-----
SFAC MG 5.420400 2.827500 2.173500 79.261093 1.226900 0.380800 =
2.307300 7.193700 0.858400 0.042 0.036 160.70 1.36
..AL.-----
SFAC AL 6.420200 3.038700 1.900200 0.742600 1.593600 31.547190 =
1.964600 85.088593 1.115100 0.056 0.052 225.80 1.18
..SI.-----
SFAC SI 6.291500 2.438600 3.035300 32.333691 1.989100 0.678500 =
1.541000 81.693687 1.140700 0.072 0.071 304.70 1.11
.. P.-----
SFAC P 6.434500 1.906700 4.179100 27.156990 1.780000 0.526000 =
1.490800 68.164497 1.114900 0.090 0.095 404.80 1.06
.. S.-----
SFAC S 6.905300 1.467900 5.203400 22.215099 1.437900 0.253600 =
1.586300 56.171989 0.866900 0.110 0.124 512.50 1.02
..CL.-----
SFAC CL 11.460390 0.010400 7.196400 1.166200 6.255600 18.519390 =
1.645500 47.778389 -9.557400 0.132 0.159 685.30 0.99
..AR.-----
SFAC AR 7.484500 0.907200 6.772300 14.840700 0.653900 43.898300 =
1.644200 33.392891 1.444500 0.155 0.201 837.00 0.98
.. K.-----
SFAC K 8.218600 12.794890 7.439800 0.774800 1.051900 213.186905 =
0.865900 41.684090 1.422800 0.179 0.250 1052.00 2.03
..CA.-----
SFAC CA 8.626600 10.442090 7.387300 0.659900 1.589900 85.748390 =
1.021100 178.436905 1.375100 0.203 0.306 1264.00 1.74
..SC.-----
SFAC SC 9.189000 9.021300 7.367900 0.572900 1.640900 136.108002 =
1.468000 51.353100 1.332900 0.226 0.372 1571.00 1.44
..TI.-----
SFAC TI 9.759500 7.850800 7.355800 0.500000 1.699100 35.633801 =
1.902100 116.104897 1.280700 0.248 0.446 1849.00 1.32
.. V.-----
SFAC V 10.297100 6.865700 7.351100 0.438500 2.070300 26.893789 =
2.057100 102.477898 1.219900 0.267 0.530 2135.00 1.22
..CR.-----

```

SFAC CR	10.640600	6.103800	7.353700	0.392000	3.324000	20.262600	=
	1.492200	98.739899	1.183200	0.284	0.624	2526.00	1.18
..MN.-----							
SFAC MN	11.281900	5.340900	7.357300	0.343200	3.019300	17.867399	=
	2.244100	83.754303	1.089600	0.295	0.729	2906.00	1.17
..FE.-----							
SFAC FE	11.769490	4.761100	7.357300	0.307200	3.522200	15.353500	=
	2.304500	76.880493	1.036900	0.301	0.845	3500.00	1.17
..CO.-----							
SFAC CO	12.284090	4.279100	7.340900	0.278400	4.003400	13.535900	=
	2.348800	71.169197	1.011800	0.299	0.973	4014.00	1.16
..NI.-----							
SFAC NI	12.837590	3.878500	7.292000	0.256500	4.443800	12.176300	=
	2.380000	66.342102	1.034100	0.285	1.113	4604.00	1.15
..CU.-----							
SFAC CU	13.338000	3.582800	7.167600	0.247000	5.615800	11.396590	=
	1.673500	64.812599	1.191000	0.263	1.266	5206.00	1.17
..ZN.-----							
SFAC ZN	14.074290	3.265500	7.031800	0.233300	5.165200	10.316300	=
	2.410000	58.709702	1.304100	0.222	1.431	6021.00	1.25
..GA.-----							
SFAC GA	15.235400	3.066900	6.700600	0.241200	4.359100	10.780500	=
	2.962300	61.413490	1.718900	0.163	1.609	6587.00	1.26
..GE.-----							
SFAC GE	16.081600	2.850900	6.374700	0.251600	3.706800	11.446800	=
	3.683000	54.762489	2.131300	0.081	1.801	7289.00	1.22
..AS.-----							
SFAC AS	16.672300	2.634500	6.070100	0.264700	3.431300	12.947890	=
	4.277900	47.797192	2.531000	-0.030	2.007	8207.00	1.20
..SE.-----							
SFAC SE	17.000589	2.409800	5.819600	0.272600	3.973100	15.237190	=
	4.354300	43.816292	2.840900	-0.178	2.223	9023.00	1.16
..BR.-----							
SFAC BR	17.178890	2.172300	5.235800	16.579599	5.637700	0.260900	=
	3.985100	41.432800	2.955700	-0.374	2.456	9910.00	1.14
..KR.-----							
SFAC KR	17.355490	1.938400	6.728600	16.562300	5.549300	0.226100	=
	3.537500	39.397202	2.825000	-0.652	2.713	11010.00	1.12
..RB.-----							
SFAC RB	17.178400	1.788800	9.643500	17.315090	5.139900	0.274800	=
	1.529200	164.934006	3.487300	-1.044	2.973	11780.00	2.16
..SR.-----							
SFAC SR	17.566290	1.556400	9.818400	14.098790	5.422000	0.166400	=
	2.669400	132.376007	2.506400	-1.657	3.264	12810.00	1.91
..Y.-----							
SFAC Y	17.775999	1.402900	10.294590	12.800600	5.726290	0.125599	=
	3.265880	104.353996	1.912130	-2.951	3.542	14400.00	1.62
..ZR.-----							
SFAC ZR	17.876490	1.276180	10.947990	11.916000	5.417320	0.117622	=
	3.657210	87.662697	2.069290	-2.965	0.560	2439.00	1.45
..NB.-----							
SFAC NB	17.614189	1.188650	12.014390	11.765990	4.041830	0.204785	=
	3.533460	69.795700	3.755910	-2.197	0.621	2617.00	1.34
..MO.-----							
SFAC MO	3.702500	0.277200	17.235590	1.095800	12.887590	11.003990	=
	3.742900	61.658401	4.387500	-1.825	0.688	2937.00	1.30
..TC.-----							
SFAC TC	19.130091	0.864132	11.094790	8.144870	4.649010	21.570690	=
	2.712630	86.847191	5.404280	-1.590	0.759	3251.00	1.27
..RU.-----							
SFAC RU	19.267389	0.808520	12.918190	8.434670	4.863370	24.799690	=
	1.567560	94.292801	5.378740	-1.420	0.836	3581.00	1.25
..RH.-----							
SFAC RH	19.295700	0.751536	14.350090	8.217580	4.734250	25.874889	=
	1.289180	98.606201	5.328000	-1.287	0.919	3938.00	1.25
..PD.-----							
SFAC PD	19.331890	0.698655	15.501700	7.989290	5.295370	25.205200	=
	0.605844	76.898598	5.265930	-1.177	1.007	4314.00	1.28
..AG.-----							
SFAC AG	19.280800	0.644600	16.688499	7.472600	4.804500	24.660500	=
	1.046300	99.815590	5.179000	-1.085	1.101	4725.00	1.34

```

..CD.-----
SFAC CD 19.221399 0.594600 17.644390 6.908900 4.461000 24.700800 =
      1.602900 87.482491 5.069400 -1.005 1.202 5175.00 1.48
..IN.-----
SFAC IN 19.162390 0.547600 18.559601 6.377600 4.294800 25.849890 =
      2.039600 92.802902 4.939100 -0.936 1.310 5554.00 1.44
..SN.-----
SFAC SN 19.188900 5.830300 19.100491 0.503100 4.458500 26.890890 =
      2.466300 83.957100 4.782100 -0.873 1.424 6145.00 1.41
..SB.-----
SFAC SB 19.641790 5.303400 19.045500 0.460700 5.037100 27.907391 =
      2.682700 75.282501 4.590900 -0.816 1.546 6675.00 1.40
..TE.-----
SFAC TE 19.964399 4.817420 19.013790 0.420885 6.144870 28.528391 =
      2.523900 70.840302 4.352000 -0.772 1.675 7186.00 1.36
.. I.-----
SFAC I 20.147200 4.347000 18.994900 0.381400 7.513800 27.766001 =
      2.273500 66.877586 4.071200 -0.726 1.812 7654.00 1.33
..XE.-----
SFAC XE 20.293301 3.928200 19.029800 0.344000 8.976700 26.465891 =
      1.990000 64.265793 3.711800 -0.684 1.958 8352.00 1.31
..CS.-----
SFAC CS 20.389200 3.569000 19.106199 0.310700 10.661990 24.387890 =
      1.495300 213.904007 3.335200 -0.644 2.119 8923.00 2.35
..BA.-----
SFAC BA 20.336100 3.216000 19.296989 0.275600 10.887990 20.207300 =
      2.695900 167.201904 2.773100 -0.613 2.282 9665.00 1.98
..LA.-----
SFAC LA 20.577999 2.948170 19.598989 0.244475 11.372690 18.772591 =
      3.287190 133.123901 2.146780 -0.588 2.452 10460.00 1.69
..CE.-----
SFAC CE 21.167089 2.812190 19.769501 0.226836 11.851300 17.608299 =
      3.330490 127.112999 1.862640 -0.564 2.632 11300.00 1.65
..PR.-----
SFAC PR 22.044001 2.773930 19.669689 0.222087 12.385600 16.766899 =
      2.824280 143.643906 2.058300 -0.530 2.845 11880.00 1.65
..ND.-----
SFAC ND 22.684490 2.662480 19.684690 0.210628 12.774000 15.885000 =
      2.851370 137.902893 1.984860 -0.535 3.018 12770.00 1.64
..PM.-----
SFAC PM 23.340490 2.562700 19.609489 0.202088 13.123490 15.100890 =
      2.875160 132.720901 2.028760 -0.530 3.225 13550.00 1.63
..SM.-----
SFAC SM 24.004190 2.472740 19.425791 0.196451 13.439590 14.399600 =
      2.896040 128.007004 2.209630 -0.533 3.442 14470.00 1.62
..EU.-----
SFAC EU 24.627390 2.387900 19.088591 0.194200 13.760290 13.754590 =
      2.922700 123.173897 2.574500 -0.542 3.669 15440.00 1.85
..GD.-----
SFAC GD 25.070900 2.253410 19.079800 0.181951 13.851790 12.933090 =
      3.545450 101.397903 2.419600 -0.564 3.904 16400.00 1.61
..TB.-----
SFAC TB 25.897591 2.242560 18.218500 0.196143 14.316690 12.664790 =
      2.953540 115.361900 3.583240 -0.591 4.151 17620.00 1.59
..DY.-----
SFAC DY 26.507000 2.180200 17.638300 0.202172 14.559590 12.189900 =
      2.965770 111.873901 4.297280 -0.619 4.410 18590.00 1.59
..HO.-----
SFAC HO 26.904900 2.070510 17.294001 0.197940 14.558300 11.440690 =
      3.638370 92.656601 4.567960 -0.666 4.678 19750.00 1.58
..ER.-----
SFAC ER 27.656290 2.073560 16.428490 0.223545 14.977890 11.360400 =
      2.982330 105.703003 5.920460 -0.723 4.958 21000.00 1.57
..TM.-----
SFAC TM 28.181900 2.028590 15.885100 0.238849 15.154190 10.997500 =
      2.987060 102.960899 6.756210 -0.795 5.248 22150.00 1.56
..YB.-----
SFAC YB 28.664089 1.988900 15.434490 0.257119 15.308690 10.664690 =
      2.989630 100.417000 7.566720 -0.884 5.548 23050.00 1.56
..LU.-----
SFAC LU 28.947599 1.901820 15.220800 9.985190 15.100000 0.261033 =

```

	3.716010	84.329803	7.976280	-0.988	5.858	24460.00	1.56
..HF.	-----						
SFAC HF	29.143990	1.832620	15.172590	9.599900	14.758600	0.275116	=
	4.300130	72.028999	8.581540	-1.118	6.185	25590.00	1.44
..TA.	-----						
SFAC TA	29.202391	1.773330	15.229290	9.370460	14.513500	0.295977	=
	4.764920	63.364391	9.243540	-1.258	6.523	26900.00	1.34
..W.	-----						
SFAC W	29.081800	1.720290	15.430000	9.225900	14.432700	0.321703	=
	5.119820	57.055988	9.887500	-1.421	6.872	29240.00	1.30
..RE.	-----						
SFAC RE	28.762100	1.671910	15.718890	9.092270	14.556400	0.350500	=
	5.441740	52.086102	10.472000	-1.598	7.232	30530.00	1.28
..OS.	-----						
SFAC OS	28.189400	1.629030	16.154989	8.979480	14.930500	0.382661	=
	5.675890	48.164700	11.000490	-1.816	7.605	31660.00	1.26
..IR.	-----						
SFAC IR	27.304899	1.592790	16.729589	8.865530	15.611490	0.417916	=
	5.833770	45.001091	11.472200	-2.066	7.990	32990.00	1.27
..PT.	-----						
SFAC PT	27.005899	1.512930	17.763901	8.811740	15.713100	0.424593	=
	5.783700	38.610298	11.688300	-2.352	8.388	35180.00	1.30
..AU.	-----						
SFAC AU	16.881889	0.461100	18.591290	8.621600	25.558189	1.482600	=
	5.860000	36.395592	12.065790	-2.688	8.798	36450.00	1.34
..HG.	-----						
SFAC HG	20.680889	0.545000	19.041700	8.448400	21.657499	1.572900	=
	5.967600	38.324600	12.608900	-3.084	9.223	38210.00	1.49
..TL.	-----						
SFAC TL	27.544600	0.655150	19.158400	8.707510	15.538000	1.963470	=
	5.525930	45.814892	13.174590	-3.556	9.659	40530.00	1.48
..PB.	-----						
SFAC PB	31.061701	0.690200	13.063690	2.357600	18.441999	8.618000	=
	5.969600	47.257900	13.411800	-4.133	10.102	42230.00	1.47
..BI.	-----						
SFAC BI	33.368889	0.704000	12.951000	2.923800	16.587700	8.793700	=
	6.469200	48.009289	13.578200	-4.861	10.559	43680.00	1.46
..PO.	-----						
SFAC PO	34.672600	0.700999	15.473290	3.550780	13.113800	9.556420	=
	7.025880	47.004501	13.677000	-5.924	11.042	-9999.00	1.46
..AT.	-----						
SFAC AT	35.316292	0.685870	19.021099	3.974580	9.498870	11.382390	=
	7.425180	45.471489	13.710800	-7.444	9.961	-9999.00	1.45
..RN.	-----						
SFAC RN	35.563091	0.663100	21.281601	4.069100	8.003700	14.042200	=
	7.443300	44.247292	13.690500	-8.862	10.403	43180.00	1.43
..FR.	-----						
SFAC FR	35.929901	0.646453	23.054701	4.176190	12.143890	23.105190	=
	2.112530	150.645004	13.724690	-7.912	7.754	-9999.00	2.55
..RA.	-----						
SFAC RA	35.763000	0.616341	22.906401	3.871350	12.473890	19.988689	=
	3.210970	142.324905	13.621100	-7.620	8.105	-9999.00	2.10
..AC.	-----						
SFAC AC	35.659691	0.589092	23.103189	3.651550	12.597700	18.598989	=
	4.086550	117.019997	13.526590	-7.725	8.472	-9999.00	1.70
..TH.	-----						
SFAC TH	35.564491	0.563359	23.421900	3.462040	12.747300	17.830900	=
	4.807030	99.172188	13.431400	-8.127	8.870	38320.00	1.65
..PA.	-----						
SFAC PA	35.884701	0.547751	23.294790	3.415190	14.189100	16.923491	=
	4.172870	105.250999	13.428700	-8.960	9.284	-9999.00	1.65
..U.	-----						
SFAC U	36.022789	0.529300	23.412790	3.325300	14.949090	16.092690	=
	4.188000	100.612999	13.396590	-10.673	9.654	38220.00	1.42
..NP.	-----						
SFAC NP	36.187389	0.511929	23.596399	3.253960	15.640190	15.362190	=
	4.185500	97.490791	13.357290	-11.158	4.148	-9999.00	1.42
..PU.	-----						
SFAC PU	36.525398	0.499384	23.808300	3.263710	16.770700	14.945500	=
	3.479470	105.979897	13.381190	-9.725	4.330	19390.00	1.42
..AM.	-----						

```
SFAC AM 36.670589 0.483629 24.099190 3.206470 17.341499 14.313590 =
3.493310 102.272903 13.359190 -8.926 4.511 -9999.00 1.42
..CM.-----
SFAC CM 36.648800 0.465154 24.409599 3.089970 17.399000 13.434590 =
4.216650 88.483391 13.288700 -8.416 4.697 -9999.00 1.42
..BK.-----
SFAC BK 36.788101 0.451018 24.773600 3.046190 17.891899 12.894590 =
4.232840 86.002998 13.275400 -7.990 4.908 -9999.00 1.42
..CF.-----
SFAC CF 36.918499 0.437533 25.199490 3.007750 18.331690 12.404390 =
4.243910 83.788101 13.267390 -7.683 5.107 -9999.00 1.42
```