University of Groningen

Hexagonal YbMnO₃ revisited

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-2	6	-4	4043.18	4093.21	50.81	o
-1	6	-4	4308.21	4320.38	116.67	o
0	6	-4	43405.75	46357.41	870.45	o
-3	7	-4	2679.87	2673.55	37.10	o
-2	7	-4	20897.82	21255.68	231.99	o
-1	7	-4	2533.90	2571.13	65.33	o
0	7	-4	1996.38	2043.89	60.42	o
-4	8	-4	17332.88	17435.29	481.33	o
-3	8	-4	3388.10	3313.44	37.48	o
-2	8	-4	3000.88	3048.58	47.55	o
-1	8	-4	14466.42	14675.85	249.62	o
0	8	-4	2618.63	2656.92	57.87	o
-4	9	-4	2123.80	2096.41	34.83	o
-3	9	-4	25132.50	24777.61	259.12	o
-2	9	-4	1711.31	1843.39	46.38	o
-1	9	-4	1888.93	1981.14	64.96	o
0	9	-4	18701.93	19198.44	366.55	o
-5	10	-4	10362.03	10389.00	279.41	o
-4	10	-4	1255.88	1295.40	32.25	o
-3	10	-4	1146.07	1217.61	43.39	o
-2	10	-4	8955.46	9163.48	94.54	o
-1	2	-3	1704.13	1523.34	47.77	o
-1	3	-3	1.88	-2.35	9.37	o
-2	4	-3	1573.18	1621.70	35.47	o
-1	4	-3	7.58	0.95	12.18	o
-2	5	-3	0.30	11.35	13.43	o

-1	5	-3	1269.30	1305.83	27.26	o
-3	6	-3	0.01	18.89	19.09	o
-2	6	-3	6.94	-5.67	13.80	o
-1	6	-3	0.82	28.47	17.51	o
-3	7	-3	4.35	-15.63	15.63	o
-2	7	-3	835.30	872.03	21.55	o
-1	7	-3	10.88	18.92	18.40	o
-4	8	-3	718.96	740.50	33.02	o
-3	8	-3	0.21	25.22	17.93	o
-2	8	-3	0.37	1.89	21.47	o
-1	8	-3	625.62	680.55	34.15	o
-4	9	-3	3.04	22.83	20.39	o
-3	9	-3	0.06	18.62	20.86	o
-2	9	-3	9.39	13.63	28.86	o
-1	9	-3	0.31	30.71	21.86	o
-5	10	-3	495.92	493.01	36.98	o
-4	10	-3	7.52	-11.87	22.61	o
-3	10	-3	1.87	7.26	22.93	o
-2	10	-3	453.57	459.89	41.52	o
0	0	-2	54191.37	49642.54	247.66	o
0	1	-2	4168.85	4470.38	108.49	o
-1	2	-2	114435.24	127826.46	4829.49	o
0	2	-2	5544.21	5817.46	164.75	o
-1	3	-2	3687.62	3713.90	40.41	o
0	3	-2	36603.09	39520.47	867.00	o
-2	4	-2	77545.80	80064.15	1494.10	o
-1	4	-2	1871.33	1830.35	21.71	o
0	4	-2	1397.75	1456.34	37.82	o
-2	5	-2	2849.38	2803.17	53.42	o
-1	5	-2	57161.12	57815.00	857.12	o
0	5	-2	2555.12	2548.10	61.60	o
-3	6	-2	21712.25	21581.39	364.79	o
-2	6	-2	1408.04	1423.40	20.91	o
-1	6	-2	1666.56	1716.95	31.52	o
0	6	-2	17680.72	18033.40	312.76	o
-3	7	-2	761.26	772.82	19.77	o
-2	7	-2	35727.71	35305.13	459.90	o
-1	7	-2	773.81	812.56	36.38	o
0	7	-2	544.99	578.22	26.54	o
-4	8	-2	29316.74	29143.03	410.03	o
-3	8	-2	1421.16	1352.04	26.75	o
-2	8	-2	1208.18	1203.39	26.79	o
-1	8	-2	24499.03	24377.78	442.56	o
0	8	-2	1108.38	1096.14	32.89	o
-4	9	-2	751.35	738.12	25.36	o
-3	9	-2	10219.36	10192.44	63.57	o
-2	9	-2	556.54	605.26	25.35	o
-1	9	-2	716.24	853.05	32.40	o
0	9	-2	7386.20	7546.52	145.53	o
-5	10	-2	17782.89	17373.25	124.34	o
-4	10	-2	362.53	376.81	25.03	o
-3	10	-2	320.39	361.86	25.31	o
-2	10	-2	15347.19	15136.35	146.06	o
-1	2	-1	16784.92	18377.63	666.70	o
-1	3	-1	128.88	136.76	8.43	o
-2	4	-1	7584.85	7654.05	223.35	o
-1	4	-1	63.70	69.37	12.08	o
-2	5	-1	47.04	52.47	12.88	o
-1	5	-1	4406.04	4390.24	98.95	o
-3	6	-1	0.77	57.95	18.77	o
-2	6	-1	81.56	91.17	13.50	o

-1	6	-1	79.93	79.32	13.74	o
-3	7	-1	15.84	13.26	14.50	o
-2	7	-1	2086.10	2063.34	26.60	o
-1	7	-1	44.55	45.03	18.66	o
-4	8	-1	1590.39	1566.61	38.52	o
-3	8	-1	15.17	21.26	20.92	o
-2	8	-1	47.17	64.91	20.28	o
-1	8	-1	1256.21	1251.06	28.12	o
-4	9	-1	52.34	69.02	26.04	o
-3	9	-1	2.02	-12.29	19.63	o
-2	9	-1	42.72	35.28	40.79	o
-1	9	-1	49.90	36.95	21.97	o
-5	10	-1	844.68	764.20	40.18	o
-4	10	-1	22.19	-3.46	22.05	o
-3	10	-1	6.02	-22.50	22.50	o
-2	10	-1	712.26	772.35	30.20	o
0	1	0	1.44	26.74	5.77	o
-1	2	0	85455.71	61650.20	631.03	o
0	2	0	0.01	-0.08	13.97	o
-1	3	0	8.65	14.29	7.47	o
0	3	0	207234.56	152640.31	5170.86	o
-2	4	0	57454.99	44604.82	106.85	o
-1	4	0	0.02	-4.65	10.69	o
0	4	0	17.18	27.34	14.29	o
-2	5	0	1.88	0.82	14.74	o
-1	5	0	42826.16	36231.06	809.20	o
0	5	0	1.57	13.25	14.84	o
-3	6	0	92154.98	71833.16	1291.75	o
-2	6	0	24.51	41.66	13.22	o
-1	6	0	27.55	34.28	13.64	o
0	6	0	70028.60	58555.12	2548.61	o
-3	7	0	6.46	20.99	14.68	o
-2	7	0	27554.80	24784.40	385.10	o
-1	7	0	5.24	49.39	17.61	o
0	7	0	20.80	28.00	20.69	o
-4	8	0	22932.30	21106.91	112.04	o
-3	8	0	0.29	29.09	17.41	o
-2	8	0	10.91	-7.81	20.97	o
-1	8	0	19309.45	18081.75	359.66	o
0	8	0	4.76	19.96	23.41	o
-4	9	0	51.39	63.68	26.37	o
-3	9	0	37425.09	33013.03	313.09	o
-2	9	0	37.14	18.32	20.31	o
-1	9	0	41.22	31.99	21.24	o
0	9	0	26815.08	24493.93	841.78	o
-5	10	0	14123.15	13733.67	109.54	o
-4	10	0	0.09	2.58	23.87	o
-3	10	0	12.25	45.77	21.33	o
-2	10	0	12250.69	12000.72	141.78	o
-1	2	1	16784.92	17931.84	467.75	o
-1	3	1	128.88	138.90	8.31	o
-2	4	1	7584.85	7550.10	139.34	o
-1	4	1	63.70	87.59	10.68	o
-2	5	1	47.04	39.38	12.59	o
-1	5	1	4406.04	4430.13	52.78	o
-3	6	1	0.77	39.73	18.46	o
-2	6	1	81.56	105.18	13.24	o
-1	6	1	79.93	70.55	13.96	o
-3	7	1	15.84	14.58	22.01	o
-2	7	1	2086.10	2047.74	42.70	o
-1	7	1	44.55	31.39	22.13	o

-4	8	1	1590.39	1634.41	37.83	o
-3	8	1	15.17	34.06	21.04	o
-2	8	1	47.17	34.54	18.19	o
-1	8	1	1256.21	1204.65	27.76	o
-4	9	1	52.34	43.57	19.68	o
-3	9	1	2.02	7.11	19.36	o
-2	9	1	42.72	34.06	26.91	o
-1	9	1	49.90	30.75	21.29	o
-5	10	1	844.68	881.66	42.72	o
-4	10	1	22.19	-9.48	21.72	o
-3	10	1	6.02	-12.74	27.68	o
-2	10	1	712.26	711.38	28.59	o
0	0	2	54191.37	59940.04	264.48	o
0	1	2	4168.85	4427.29	90.97	o
-1	2	2	114435.25	131142.98	3305.08	o
0	2	2	5544.21	5821.36	84.42	o
-1	3	2	3687.62	3635.30	36.73	o
0	3	2	36603.09	38844.26	533.33	o
-2	4	2	77545.79	81692.15	821.19	o
-1	4	2	1871.33	1825.26	18.06	o
0	4	2	1397.75	1406.20	20.97	o
-2	5	2	2849.38	2818.69	43.80	o
-1	5	2	57161.12	58107.48	723.55	o
0	5	2	2555.12	2558.79	57.86	o
-3	6	2	21712.25	21499.36	535.51	o
-2	6	2	1408.04	1407.18	20.69	o
-1	6	2	1666.56	1626.72	22.65	o
0	6	2	17680.72	17896.95	433.08	o
-3	7	2	761.26	753.72	36.37	o
-2	7	2	35727.70	35271.83	256.02	o
-1	7	2	773.81	810.40	33.51	o
0	7	2	544.99	618.53	24.94	o
-4	8	2	29316.74	29260.82	335.29	o
-3	8	2	1421.16	1412.93	26.21	o
-2	8	2	1208.18	1189.63	25.79	o
-1	8	2	24499.03	24380.34	209.96	o
0	8	2	1108.38	1099.43	32.47	o
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-3	9	2	10219.36	10113.71	62.53	o
-2	9	2	556.54	598.97	32.88	o
-1	9	2	716.24	782.95	27.18	o
0	9	2	7386.20	7521.63	135.09	o
-5	10	2	17782.88	17357.86	361.83	o
-4	10	2	362.53	366.33	24.46	o
-3	10	2	320.39	349.74	24.03	o
-2	10	2	15347.18	15015.78	129.42	o
-1	2	3	1704.13	1482.93	55.02	o
-1	3	3	1.88	13.89	8.62	o
-2	4	3	1573.18	1597.31	36.18	o
-1	4	3	7.58	4.11	11.69	o
-2	5	3	0.30	-4.78	12.82	o
-1	5	3	1269.30	1282.05	18.74	o
-3	6	3	0.01	-10.94	18.52	o
-2	6	3	6.94	-11.97	13.55	o
-1	6	3	0.82	13.60	13.79	o
-3	7	3	4.35	-9.67	14.91	o
-2	7	3	835.30	795.94	21.16	o
-1	7	3	10.88	2.37	17.23	o
-4	8	3	718.96	694.61	34.08	o
-3	8	3	0.21	-16.61	17.79	o
-2	8	3	0.37	-5.13	18.58	o

-1	8	3	625.62	625.47	24.39	o
-4	9	3	3.05	-19.68	19.68	o
-3	9	3	0.06	52.16	19.62	o
-2	9	3	9.39	-4.00	20.34	o
-1	9	3	0.31	59.40	21.26	o
-5	10	3	495.92	441.43	37.69	o
-4	10	3	7.52	-6.86	21.63	o
-3	10	3	1.87	-25.52	26.63	o
-2	10	3	453.57	467.31	26.87	o
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-1	2	4	69855.59	77983.46	3208.15	o
0	2	4	10892.06	11331.81	198.05	o
-1	3	4	8456.56	8285.98	113.38	o
0	3	4	101639.09	116141.84	2096.62	o
-2	4	4	45231.06	47597.50	1186.88	o
-1	4	4	5559.48	5503.77	38.74	o
0	4	4	4647.75	4761.09	40.95	o
-2	5	4	6531.42	6497.36	61.93	o
-1	5	4	33197.48	34173.63	390.14	o
0	5	4	5825.27	5793.35	57.65	o
-3	6	4	54643.41	56895.71	1135.95	o
-2	6	4	4043.18	3938.53	31.33	o
-1	6	4	4308.20	4272.90	51.67	o
0	6	4	43405.75	45890.11	749.60	o
-3	7	4	2679.87	2665.47	53.72	o
-2	7	4	20897.81	21068.30	317.92	o
-1	7	4	2533.91	2493.44	48.44	o
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-2	8	4	3000.88	2953.43	35.64	o
-1	8	4	14466.41	14428.29	189.39	o
0	8	4	2618.63	2678.28	42.84	o
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-2	9	4	1711.31	1669.07	32.44	o
-1	9	4	1888.93	1973.23	40.91	o
0	9	4	18701.93	18827.38	364.26	o
-5	10	4	10362.03	10318.71	332.65	o
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-3	10	4	1146.07	1154.63	31.62	o
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-1	2	5	9688.03	9895.95	418.98	o
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-2	5	5	36.49	6.91	13.14	o
-1	5	5	3334.82	3371.95	28.00	o
-3	6	5	0.69	21.62	19.98	o
-2	6	5	73.24	66.85	14.70	o
-1	6	5	70.79	66.51	15.50	o
-3	7	5	14.24	18.83	17.63	o
-2	7	5	1739.65	1781.00	41.39	o
-1	7	5	42.04	31.72	25.72	o
-4	8	5	1365.11	1385.76	74.69	o
-3	8	5	13.12	29.53	23.34	o
-2	8	5	42.01	33.00	19.65	o
-1	8	5	1101.93	1103.67	28.21	o
-4	9	5	52.18	43.97	20.46	o
-3	9	5	2.07	8.35	20.35	o

-2	9	5	43.02	26.17	22.03	o
-1	9	5	46.72	64.21	22.45	o
-5	10	5	763.22	829.42	40.60	o
-4	10	5	20.46	27.05	22.19	o
-3	10	5	5.45	-9.83	22.46	o
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-1	3	6	18018.16	17941.77	287.97	o
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-1	5	6	33263.69	34798.17	325.17	o
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-3	7	6	7841.67	7699.88	78.94	o
-2	7	6	20898.49	21210.88	284.91	o
-1	7	6	6744.07	6643.20	93.39	o
0	7	6	6200.79	6233.93	97.04	o
-4	8	6	17153.41	17219.51	670.32	o
-3	8	6	5822.82	5742.96	47.32	o
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-1	8	6	14338.87	14416.87	147.02	o
0	8	6	4444.08	4394.85	76.76	o
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-2	5	7	25.45	-10.99	15.11	o
-1	5	7	3114.14	3113.88	44.60	o
-3	6	7	0.44	23.11	22.37	o
-2	6	7	47.31	44.18	16.74	o
-1	6	7	50.55	36.16	17.32	o
-3	7	7	11.09	6.99	18.73	o
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-4	8	7	1349.40	1452.41	43.46	o
-3	8	7	12.25	9.28	20.17	o
-2	8	7	37.59	32.97	20.35	o
-1	8	7	1094.80	1101.13	29.68	o
-4	9	7	38.14	30.28	21.60	o
-3	9	7	1.44	32.46	22.03	o
-2	9	7	31.79	18.39	23.73	o
-1	9	7	40.71	35.59	23.78	o
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-4	10	7	19.06	1.63	24.06	o

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-1	2	8	13009.13	12768.35	511.03	o
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-1	3	8	16341.38	15711.49	302.19	o
0	3	8	33768.95	34264.03	670.89	o
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-1	4	8	15218.12	14986.57	239.30	o
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-1	5	8	7884.69	7917.89	121.68	o
0	5	8	8945.61	8790.56	72.44	o
-3	6	8	20407.65	20452.49	268.31	o
-2	6	8	9991.65	9731.69	143.16	o
-1	6	8	8612.23	8634.95	96.08	o
0	6	8	16709.37	17089.21	89.13	o
-3	7	8	9165.90	9182.36	153.88	o
-2	7	8	5435.87	5569.61	130.25	o
-1	7	8	7811.65	7762.78	104.59	o
0	7	8	7381.11	7649.08	101.90	o
-4	8	8	4523.35	4505.70	117.38	o
-3	8	8	5352.06	5285.09	76.15	o
-2	8	8	5286.10	5273.95	50.01	o
-1	8	8	3873.44	3883.71	77.43	o
0	8	8	3987.33	4143.12	57.84	o
-4	9	8	5045.07	4913.56	119.02	o
-3	9	8	10225.93	10222.07	210.63	o
-2	9	8	4847.64	4805.18	77.32	o
-1	9	8	3876.22	3915.26	110.75	o
-5	10	8	2951.49	2962.22	129.01	o
-4	10	8	4535.81	4553.51	77.76	o
-1	2	9	1234.54	1140.25	78.22	o
-1	3	9	2.39	-0.08	21.02	o
-2	4	9	1006.71	1002.57	139.42	o
-1	4	9	4.23	-3.46	19.19	o
-2	5	9	0.84	-0.94	23.31	o
-1	5	9	834.09	830.60	24.03	o
-3	6	9	0.03	1.08	67.82	o
-2	6	9	6.57	23.54	20.09	o
-1	6	9	2.54	0.94	20.91	o
-3	7	9	3.26	-8.50	23.95	o
-2	7	9	615.99	648.09	26.32	o
-1	7	9	8.95	-10.07	22.23	o
-4	8	9	556.06	450.86	38.03	o
-3	8	9	0.37	14.23	23.07	o
-2	8	9	1.15	48.16	22.52	o
-1	8	9	500.78	445.01	28.35	o
-4	9	9	4.34	-12.92	24.14	o
-3	9	9	0.11	-13.91	25.17	o
-2	9	9	8.96	-20.43	25.75	o
0	0	10	3759.73	3840.05	74.48	o
0	1	10	24921.38	26344.41	588.53	o
-1	2	10	10231.18	10866.93	116.89	o
0	2	10	21016.86	20660.66	899.64	o
-1	3	10	20015.51	18942.13	485.65	o
0	3	10	2939.76	2848.15	60.41	o
-2	4	10	8085.83	7844.00	511.47	o
-1	4	10	18170.38	16978.15	306.28	o
0	4	10	17321.55	16694.88	609.75	o
-2	5	10	13804.61	13099.58	321.63	o

-1	5	10	6551.68	6434.93	142.07	o
0	5	10	11699.05	11283.93	300.07	o
-3	6	10	2003.13	1907.56	107.09	o
-2	6	10	12436.29	12023.58	184.88	o
-1	6	10	11029.17	10648.07	197.43	o
0	6	10	1697.08	1680.99	51.62	o
-3	7	10	11141.85	10700.89	205.68	o
-2	7	10	4696.94	4585.95	107.43	o
-1	7	10	9692.80	9548.33	113.25	o
0	7	10	9039.00	8787.59	222.52	o
-4	8	10	3931.58	3887.23	152.37	o
-3	8	10	7190.09	6978.77	157.97	o
-2	8	10	7046.47	6858.89	126.50	o
-1	8	10	3453.58	3341.76	59.87	o
0	8	10	5463.84	5371.56	85.00	o
-4	9	10	6573.94	6390.21	168.30	o
-3	9	10	1099.31	1056.45	34.50	o
-2	9	10	6244.52	5949.91	156.05	o
-1	2	11	3118.23	3220.28	131.34	o
-1	3	11	25.46	33.61	32.43	o
-2	4	11	2237.23	2188.59	96.95	o
-1	4	11	19.06	24.51	26.92	o
-2	5	11	17.17	36.32	25.62	o
-1	5	11	1703.49	1739.68	37.00	o
-3	6	11	0.41	-9.96	34.72	o
-2	6	11	43.66	36.59	26.08	o
-1	6	11	42.70	64.51	26.18	o
-3	7	11	9.26	-16.19	25.42	o
-2	7	11	1103.27	1071.08	34.34	o
-1	7	11	29.26	6.62	49.11	o
-4	8	11	923.25	787.83	49.11	o
-3	8	11	8.53	30.99	26.56	o
-2	8	11	28.30	-12.35	41.77	o
-1	8	11	780.92	787.41	34.73	o
-4	9	11	39.55	64.08	28.18	o
-3	9	11	1.61	1.72	28.70	o
0	0	12	10530.01	11508.20	121.92	o
0	1	12	15336.26	16410.44	328.33	o
-1	2	12	3607.54	3814.03	73.35	o
0	2	12	14573.87	15768.33	403.01	o
-1	3	12	13500.51	14113.60	104.15	o
0	3	12	7862.42	8688.38	266.31	o
-2	4	12	2876.29	3020.83	125.98	o
-1	4	12	11464.24	11195.25	229.80	o
0	4	12	10508.73	10702.56	386.56	o
-2	5	12	10499.70	10149.86	230.03	o
-1	5	12	2373.41	2363.81	92.99	o
0	5	12	9262.78	9412.34	306.26	o
-3	6	12	4977.75	4980.92	201.51	o
-2	6	12	8652.16	8261.96	173.44	o
-1	6	12	8316.56	7941.71	179.81	o
0	6	12	4115.67	4327.84	95.40	o
-3	7	12	6872.38	6647.09	212.71	o
-2	7	12	1683.52	1654.12	42.28	o
-1	7	12	6373.60	6326.62	112.42	o
0	7	12	5446.51	5506.90	78.21	o
-4	8	12	1476.65	1458.62	58.15	o
-3	8	12	5964.96	5778.17	139.14	o
-2	8	12	5747.84	5637.08	146.48	o
-1	8	12	1278.34	1304.66	55.03	o
-1	2	13	2928.02	2952.10	60.98	o

-1	3	13	11.20	29.47	36.44	o
-2	4	13	2195.93	2161.72	158.96	o
-1	4	13	8.82	-43.48	43.48	o
-2	5	13	10.76	-14.48	37.31	o
-1	5	13	1717.86	1701.91	61.09	o
-3	6	13	0.19	2.09	50.13	o
-2	6	13	21.14	52.15	40.36	o
-1	6	13	24.76	42.89	46.34	o
-3	7	13	6.27	-30.15	34.03	o
-2	7	13	1133.82	1115.35	43.19	o
-1	7	13	17.71	25.12	34.04	o
-4	8	13	946.72	1027.04	58.81	o
-3	8	13	7.89	23.92	33.94	o
-2	8	13	23.86	-34.84	34.84	o
0	0	14	9465.63	9779.70	119.07	o
0	1	14	12551.71	13038.90	172.17	o
-1	2	14	3975.88	4300.76	87.37	o
0	2	14	12701.85	12979.43	235.79	o
-1	3	14	11430.39	11320.54	157.41	o
0	3	14	7757.83	8497.76	292.73	o
-2	4	14	3316.60	3281.59	190.92	o
-1	4	14	9374.41	9662.84	217.18	o
0	4	14	8543.06	8957.19	246.69	o
-2	5	14	9625.20	9665.69	136.69	o
-1	5	14	2861.55	2883.19	81.27	o
0	5	14	8891.28	9175.84	387.62	o
-3	6	14	5523.78	5463.16	252.60	o
-2	6	14	7300.78	7075.26	97.93	o
-1	6	14	7402.04	7413.31	227.82	o
0	6	14	4757.56	5000.68	216.45	o
-3	7	14	5710.38	5519.76	128.12	o
-2	7	14	2077.02	1993.68	79.35	o
-1	7	14	5324.68	5020.54	165.71	o
-1	2	15	595.32	528.45	40.44	o
-1	3	15	1.99	-8.89	30.08	o
-2	4	15	531.30	608.81	67.71	o
-1	4	15	2.71	54.67	36.80	o
-2	5	15	1.09	12.14	44.57	o
-1	5	15	483.89	537.87	54.35	o
-3	6	15	0.03	131.34	69.18	o
-2	6	15	6.02	33.17	49.50	o
-1	6	15	3.59	31.14	51.56	o
-3	7	15	2.30	13.64	47.06	o
-2	7	15	408.60	406.70	51.95	o
0	0	16	4630.22	4972.23	93.52	o
0	1	16	6083.54	6550.25	235.77	o
-1	2	16	9411.78	9563.49	94.62	o
0	2	16	6171.95	6564.37	133.18	o
-1	3	16	5597.86	5758.37	58.68	o
0	3	16	3881.61	4141.31	110.70	o
-2	4	16	7997.83	8250.33	105.86	o
-1	4	16	4667.88	4815.71	74.90	o
0	4	16	4292.70	4645.83	77.63	o
-2	5	16	4814.10	4897.10	85.31	o
-1	5	16	6898.17	7147.25	198.15	o
0	5	16	4497.11	4715.80	203.85	o
-3	6	16	2811.91	3066.72	155.39	o
-2	6	16	3699.51	3773.83	148.39	o
-1	6	16	3759.93	4016.68	145.30	o
-1	2	17	1227.20	1265.85	46.26	o
-1	3	17	10.64	-13.55	26.44	o

-2	4	17	1027.67	1091.11	91.81	o
-1	4	17	9.04	35.31	32.69	o
-2	5	17	8.32	-9.27	33.03	o
-1	5	17	873.69	1035.37	42.91	o
-3	6	17	0.23	50.12	106.83	o
-2	6	17	24.28	-18.57	43.65	o
0	0	18	17914.09	19317.10	181.68	o
0	1	18	3491.93	3613.70	129.00	o
-1	2	18	5555.07	5953.48	77.66	o
0	2	18	3177.98	3338.99	52.14	o
-1	3	18	3037.87	2985.75	44.87	o
0	3	18	15093.42	16629.36	343.66	o
-2	4	18	4827.61	5216.81	95.74	o
-1	4	18	2889.07	3117.49	88.09	o
0	4	18	2872.00	2949.04	78.79	o
-2	5	18	2427.57	2503.67	66.21	o
-1	2	19	1407.43	1571.01	48.23	o
-1	3	19	3.95	20.70	24.28	o
-2	4	19	1171.88	1260.74	50.48	o
0	0	20	5777.27	5911.70	108.46	o
0	1	20	1059.86	1184.93	55.77	o
-1	2	20	12302.89	13094.16	263.16	o
0	2	20	886.24	911.37	50.85	o