



## ASX ANNOUNCEMENT

24 January 2023



# Geochemical Sampling Generates Multiple Priority REE Targets

## Hines Hill REE Project

### HIGHLIGHTS

- ❖ Geochemical roadside sampling program at the Hines Hill REE Project confirms multiple priority rare earths targets over the ~576km<sup>2</sup> project area:
  - Maximum value of 930ppm TREO
  - 126 samples over 350ppm TREO
  - 10 main areas >550ppm TREO for immediate follow up work
- ❖ Commence negotiation of land access agreements with landowners over the priority areas
- ❖ Approved POW for further drilling remains in place at the northeast mag feature where maiden drilling has discovered REE's (ASX Announcement 16 January 2023)
- ❖ The speed at which land access agreements can be finalised with submission of additional PoW's, may determine the next most suitable program
- ❖ Further drilling is being planned for the quarter, with a full review of technical data underway to determine the most suitable program

White Cliff Minerals Limited (**White Cliff** or the **Company**) is pleased to provide an update on the Company's Hines Hill REE project in the Wheatbelt region, WA (**Figure 1**), where further roadside geochemical sampling has successfully identified multiple priority target areas. The results are extremely positive (**Figure 2**), with many of the new targets associated with magnetic features. The Company has initiated the process for land access agreements over the new target areas, which will then allow Program of Work's (PoW's) for drilling to be submitted.

Commenting on the progress, White Cliff Technical Director Ed Mead said:

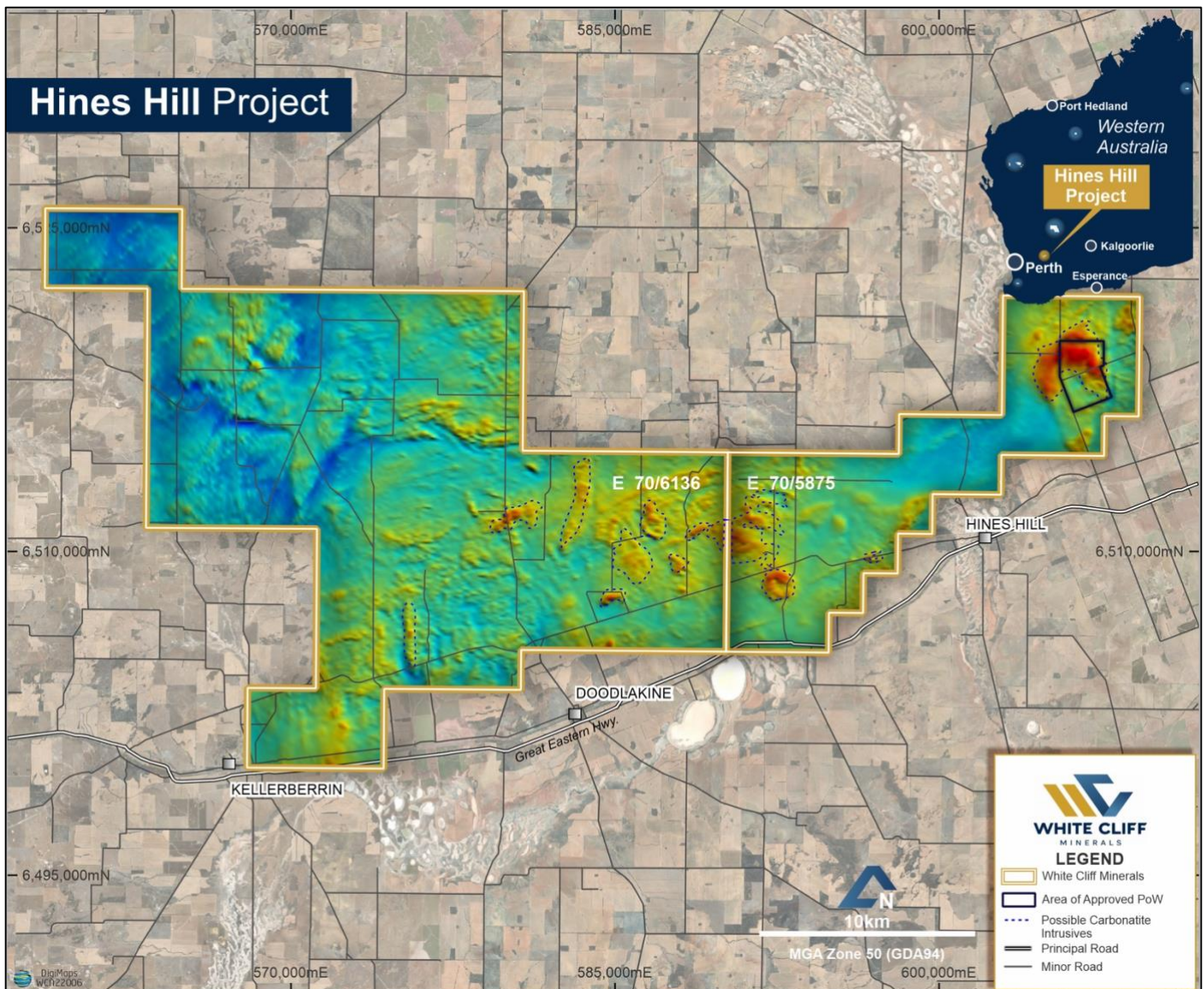
"These geochemical REE results, straight off the back of the maiden drill program discovery of REE's at the northeast mag feature of Hines Hill, are a tremendous result, which gives us the ability to potentially create a scalable project.

"The recent drill assays at Hines Hill, where intercepts of up to 1,602ppm TREO in clays were reported, corresponded with surface geochemical samples of ~550ppm. Having 10 new priority target areas, with multiple samples going over 550ppm TREO and up to 930ppm TREO (and associated with higher intensity magnetic features), is highly encouraging for follow-up drill programs."

"I look forward to updating shareholders as we progress Hine Hill, with further updates on Yinnetharra due in the coming weeks as rock chip samples are due from ALS and Southern Geoscience Consultants interpret the recent high resolution magnetic and radiometric survey."

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**Figure 1:** Hines Hill REE Project location map in Western Australia, which covers ~576km<sup>2</sup>, with regional magnetic's highlighting multiple higher intensity features, with broad general magnetic's in many areas.

## Hines Hill - REE Project

The Hines Hill REE project consists of two tenements (**Figure 1**), within the wheatbelt region, located about 200km east of Perth on the Great Eastern Highway. The tenement area of ~576Km<sup>2</sup> covers extensive broad acre grain growing properties.

Further roadside conventional geochemical sampling was completed on E70/5875, and ELA70/6136 (applied for on 18 May 2022, and due to be granted) for a total of 1,326 samples.

The results of the 1,326 samples collected from the roadside soil geochemical sampling program (**Table 1**) are Shown in **Figure 2** using contouring software Surfer™. Results are expressed as Total REE oxides (TREO) in ppm.

The elevated geochemical results correspond with a number of generally elevated magnetic features as well as higher order magnetic features (**Figures 1 and 2**) identified over the project area, with 10 main areas identified for immediate follow up. The data in conjunction with recent

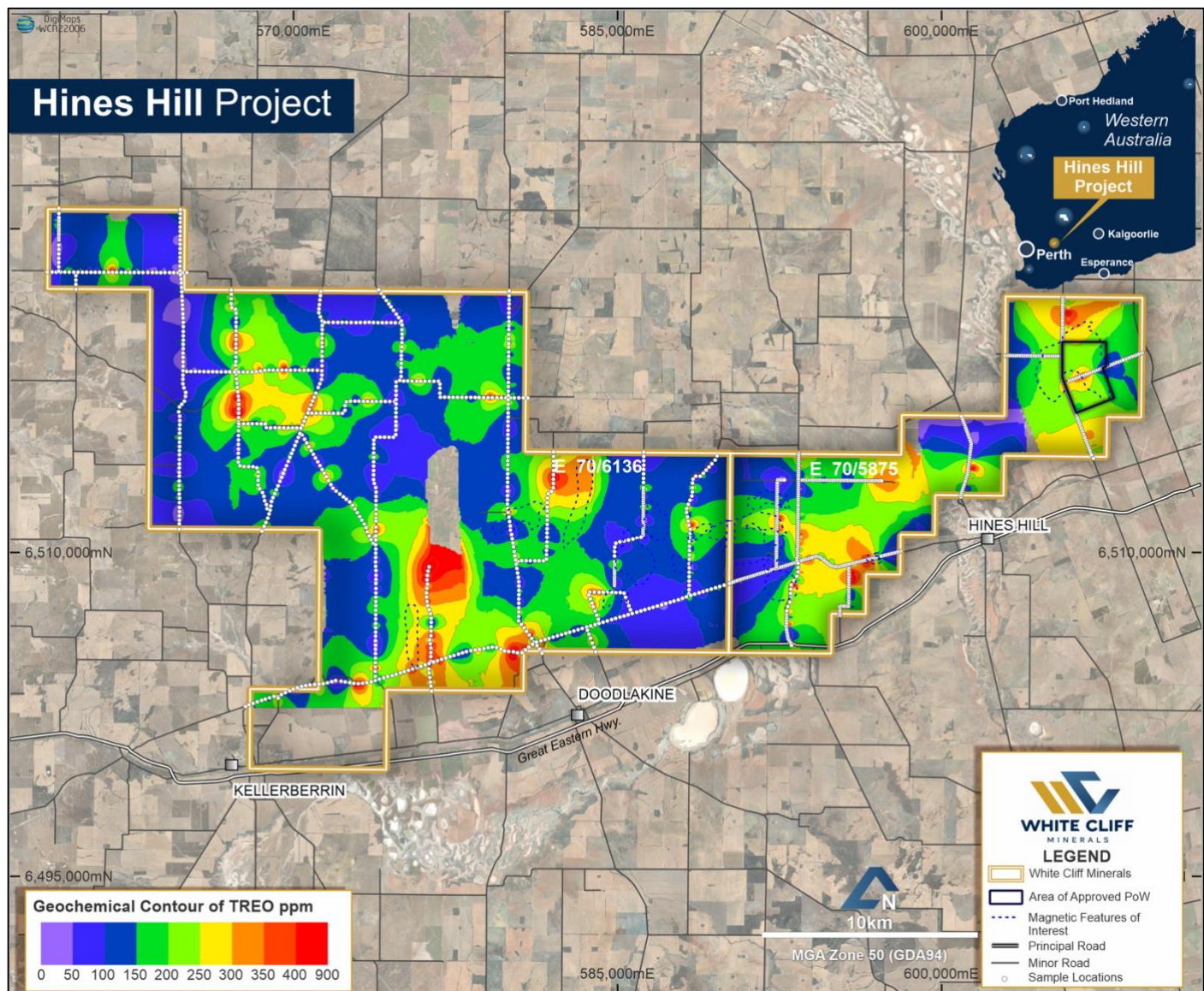
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drilling results strongly suggests the magnetic features are related, however additional work is required.

Analytical results (**Table 1**) with values >95<sup>th</sup> percent for each REO highlighted in bold, shows clear differences in component contents between the two areas. The results of lithium analyses are consistent with a granitic source.



**Figure 2:** Hines Hill REE Project location map in Western Australia, that covers ~576km<sup>2</sup>, with results of roadside geochemical sampling indicating multiple areas of interest to follow up.

## Next Steps

The Company will review all technical data, that includes the geochemical sampling results contained in this release, to determine the next suitable program. Land access agreements with property owners will be negotiated over the new multiple target areas generated from the roadside geochemical program. E70/5875 is granted and has an approved PoW. ELA70/6136 is due to be granted and once Land access agreements are in place and the tenement is granted, PoW's will be submitted.

## **UPCOMING NEWSFLOW**

- January:** High-resolution magnetics/radiometrics survey at Yinnetharra. Preliminary targets provided by SGC
- Jan/Feb:** Completion of AEM interpretation by SGC for Yinnetharra, Diemals, Hines Hill and North Kellerberrin, and Lake Tay
- Jan/Feb:** High-resolution magnetics/radiometrics survey at Yinnetharra, Final interpretation and targets provided by SGC
- Jan/Feb:** Diemals geochemical sampling results
- February:** Reconnaissance field trip at Lake Tay REE project
- February:** Planning for further drill program at Hines Hill

## **ENDS**

### **Further Information:**

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*This announcement has been approved by the Board of White Cliff Minerals Limited.*

### **Competent Persons Statement**

The Information in this report that relates to exploration results, mineral resources or ore reserves is based on information compiled by Mr Allan Younger, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Younger is an employee of the company. Mr Younger has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the 'Australian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code). Mr Younger consents to the inclusion of this information in the form and context in which it appears in this report.

### **Forward looking statements**

This announcement contains certain forward-looking statements and comments about future events, including the Company's expectations about the proposed transaction, the proposed tenements and the performance of its businesses. Forward looking statements can generally be identified by the use of forward-looking words such as 'expect', 'anticipate', 'likely', 'intend', 'should', 'could', 'may', 'predict', 'plan', 'propose', 'will', 'believe', 'forecast', 'estimate', 'target' and other similar expressions within the meaning of securities laws of applicable jurisdictions. Indications of, and guidance on, future earnings or financial position or performance are also forward-looking statements.

Forward looking statements involve inherent risks and uncertainties, both general and specific, and there is a risk that such predictions, forecasts, projections and other forward-looking statements will not be achieved. Forward looking statements are provided as a general guide only and should not be relied on as an indication or guarantee of future performance. Forward looking statements involve known and unknown risks, uncertainty and other factors which can cause the Company's actual results to differ materially from the plans, objectives, expectations, estimates and intentions expressed in such forward-looking statements and many of these factors are outside the control of the Company. As such, undue reliance should not be placed on any forward-looking statement. Past performance is not necessarily a guide to future performance and no representation or warranty is made by any person as to the likelihood of achievement or reasonableness of any forward-looking statements, forecast financial information or other forecast. Nothing contained in this announcement nor any information made available to you is, or shall be relied upon as, a promise, representation, warranty or guarantee as to the past, present or the future performance of the Company.

Except as required by law or the ASX Listing Rules, the Company assumes no obligation to provide any additional or updated information or to update any forward-looking statements, whether as a result of new information, future events or results, or otherwise.



**Table 1: Geochemical Data and sample location**

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
CENTRALCLAY	569269	6503322	11.8	5.59	199.62	83.97	5.29	2.33	1.28	7.16	0.86	0.22	64.97	20.00	10.89	1.00	0.28	1.66	26.41	425.93
EASTCLAY	569275	6503322	2.8	1.3	58.35	27.44	1.60	0.73	0.40	2.15	0.27	0.06	19.95	6.09	3.28	0.29	0.08	0.47	7.96	129.13
HH0001	608400	6518920	6	2.78	98.89	45.27	11.99	2.76	1.20	0.91	3.78	0.45	0.11	35.52	9.44	5.80	0.54	0.14	0.91	217.71
HH0002	608300	6518873	11	3.82	104.91	46.68	13.72	3.14	1.37	1.02	4.24	0.51	0.14	38.30	10.05	6.36	0.60	0.16	1.11	232.31
HH0003	608200	6518832	14.6	4.17	118.79	50.20	16.18	3.57	1.67	1.21	4.79	0.61	0.16	43.01	11.39	7.10	0.68	0.20	1.28	260.84
HH0004	608100	6518799	5.8	2.03	65.84	28.73	8.72	1.84	0.87	0.64	2.54	0.33	0.09	23.62	6.16	3.83	0.35	0.10	0.67	144.34
HH0005	608000	6518760	5.6	2.81	44.47	18.71	5.85	1.33	0.62	0.46	1.84	0.23	0.06	15.95	4.24	2.72	0.25	0.07	0.51	97.33
HH0006	607900	6518721	4.2	1.69	20.82	11.11	3.31	0.74	0.33	0.24	1.01	0.13	0.03	9.15	2.42	1.59	0.15	0.04	0.26	51.32
HH0007	607800	6518682	3.7	1.765	24.38	11.39	3.33	0.75	0.33	0.26	1.05	0.13	0.03	9.56	2.50	1.55	0.14	0.04	0.29	55.74
HH0008	607700	6518644	5.5	3.91	34.76	13.55	5.12	1.17	0.58	0.37	1.48	0.21	0.07	13.05	3.29	2.28	0.21	0.07	0.54	76.77
HH0009	607600	6518603	9.6	6.66	56.26	16.54	5.08	1.21	0.64	0.42	1.63	0.21	0.08	15.10	3.79	2.62	0.23	0.08	0.63	104.53
HH0010	607500	6518568	7.6	3.51	46.31	20.23	6.24	1.36	0.69	0.50	1.98	0.24	0.08	17.64	4.63	2.96	0.27	0.09	0.65	103.88
HH0011	607400	6518529	8.3	4.09	39.43	16.71	5.45	1.28	0.64	0.45	1.70	0.22	0.07	15.28	3.85	2.72	0.24	0.08	0.59	88.70
HH0012	607300	6518487	7.3	3.76	45.57	18.30	6.17	1.40	0.68	0.50	1.87	0.25	0.08	16.61	4.19	2.89	0.27	0.09	0.64	99.51
HH0013	607200	6518451	10.2	2.96	49.26	22.17	5.68	1.25	0.57	0.45	1.63	0.21	0.07	15.95	4.34	2.60	0.22	0.07	0.49	104.94
HH0014	607100	6518414	8.3	3.66	55.77	24.04	7.02	1.54	0.77	0.57	2.14	0.27	0.08	19.94	5.17	3.28	0.31	0.09	0.63	121.61
HH0015	607000	6518379	5.4	3.1	42.13	18.00	5.62	1.34	0.63	0.52	1.82	0.23	0.07	17.28	4.35	2.96	0.25	0.08	0.58	95.88
HH0016	606900	6518340	5.8	2.83	44.47	17.83	5.39	1.23	0.58	0.47	1.75	0.22	0.07	16.19	4.17	2.78	0.24	0.07	0.50	95.97
HH0017	606800	6518297	6.9	3.83	88.32	34.95	11.32	2.64	1.23	1.02	3.72	0.46	0.13	34.07	8.57	5.90	0.51	0.14	1.03	194.03
HH0018	606700	6518259	11.8	5.39	132.67	57.00	16.99	3.82	1.78	1.31	5.19	0.65	0.18	49.05	12.81	8.03	0.73	0.22	1.47	291.90
HH0019	606600	6518223	17.1	6.63	161.53	66.26	21.23	4.65	2.18	1.65	6.36	0.81	0.24	56.91	15.02	9.60	0.88	0.27	1.92	349.51
HH0020	606500	6518182	13.5	4.67	156.01	59.23	17.39	3.87	1.83	1.33	5.38	0.67	0.19	49.05	13.10	8.06	0.76	0.24	1.56	318.66
HH0023	606400	6518148	21.3	6.21	159.08	65.32	19.86	4.35	2.04	1.46	5.74	0.76	0.23	53.28	14.09	8.74	0.81	0.26	1.80	337.82
HH0024	606300	6518110	19.6	6.72	165.83	67.91	23.41	4.73	2.30	1.67	6.38	0.84	0.26	58.96	15.25	9.67	0.87	0.30	2.02	360.41
HH0025	606200	6518068	20.1	5.95	142.49	60.05	19.57	4.21	2.02	1.39	5.45	0.72	0.23	50.26	13.22	8.32	0.77	0.25	1.75	310.71
HH0026	606100	6518031	18.8	5.5	154.16	65.09	22.04	4.54	2.28	1.54	6.19	0.81	0.24	54.61	14.44	9.03	0.88	0.28	1.92	338.04
HH0027	606000	6517998	19.6	6.14	163.99	68.26	22.95	5.09	2.54	1.60	7.03	0.92	0.26	60.29	16.06	10.27	0.95	0.33	2.18	362.72
HH0028	605900	6517961	18.6	6.08	159.08	64.86	21.12	4.60	2.27	1.50	6.47	0.84	0.24	58.11	15.54	9.81	0.88	0.29	1.93	347.54
HH0029	605800	6518000	18.4	4.97	138.20	52.54	17.50	3.92	1.90	1.22	5.40	0.70	0.20	46.15	12.41	8.07	0.74	0.24	1.61	290.80
HH0030	605564	6518100	16.6	5.03	101.10	40.93	12.85	2.92	1.45	0.91	4.08	0.52	0.15	34.19	9.36	5.90	0.56	0.18	1.25	216.35
HH0031	605565	6518200	15.6	4.12	84.27	35.77	11.24	2.49	1.24	0.77	3.54	0.45	0.13	29.36	7.98	5.03	0.47	0.15	1.05	183.93
HH0032	605566	6518300	17.2	4.66	95.45	41.40	12.91	2.88	1.41	0.89	4.04	0.52	0.14	34.19	9.23	5.93	0.55	0.18	1.17	210.90
HH0033	605568	6518400	16.2	4.29	81.44	36.24	11.36	2.47	1.23	0.79	3.48	0.45	0.13	29.60	7.95	5.15	0.47	0.15	0.97	181.88
HH0034	605569	6518500	20.5	5.14	105.52	45.50	14.75	3.20	1.53	1.03	4.49	0.57	0.16	38.18	10.26	6.59	0.60	0.19	1.28	233.88
HH0035	605572	6518600	18.8	4.52	91.64	41.63	13.08	2.87	1.41	0.91	4.09	0.52	0.13	34.31	9.18	5.95	0.55	0.18	1.15	207.62
HH0036	605569	6518700	18.6	4.45	87.34	38.59	11.82	2.60	1.27	0.82	3.72	0.47	0.13	31.65	8.63	5.46	0.51	0.16	1.04	194.21
HH0037	605570	6518800	16.2	4.34	94.96	41.52	12.68	2.80	1.36	0.91	4.01	0.52	0.14	34.19	9.29	5.85	0.55	0.17	1.13	210.07
HH0038	605572	6518900	16.6	4.52	95.45	44.10	13.03	2.88	1.38	0.96	4.11	0.53	0.15	36.37	9.85	6.14	0.57	0.17	1.12	216.80
HH0039	605573	6519000	15.2	4.9	104.91	42.92	13.31	3.05	1.50	0.96	4.32	0.55	0.16	36.25	9.75	6.27	0.59	0.19	1.24	225.97
HH0040	605573	6519100	16	5.38	102.94	42.81	13.20	3.09	1.49	0.95	4.35	0.55	0.16	35.64	9.60	6.33	0.59	0.19	1.24	223.13
HH0043	605576	6519200	15.2	4.81	98.89	39.88	12.17	2.77	1.33	0.89	3.89	0.50	0.14	33.10	8.98	5.73	0.54	0.18	1.13	210.10
HH0044	605575	6519300	17.2	5.88	113.14	49.37	14.46	3.36	1.64	1.13	4.86	0.59	0.18	41.56	11.25	7.07	0.66	0.20	1.37	250.84
HH0045	605579	6519400	18.4	5.82	110.31	42.46	13.49	3.09	1.52	0.96	4.30	0.54	0.17	36.13	9.78	6.36	0.60	0.19	1.28	231.16
HH0046	605581	6519500	21.8	6.39	119.40	43.63	14.40	3.27	1.64	1.06	4.58	0.60	0.18	38.30	10.18	6.76	0.65	0.21	1.43	246.31
HH0047	605582	6519600	18.6	5.53	113.63	41.17	13.77	3.22	1.57	0.98	4.35	0.57	0.16	35.16	9.54	6.36	0.62	0.20	1.35	232.65
HH0048	605580	6519700	21.5	6.44	131.44	45.62	15.21	3.65	1.77	1.09	4.90	0.66	0.19	40.11	10.89	7.12	0.70	0.23	1.56	265.14
HH0049	605580	6519800	21.4	6.59	129.60	48.20	16.53	3.84	1.88	1.19	5.29	0.69	0.20	42.65	11.29	7.56	0.75	0.24	1.61	271.52
HH0050	605580	6519900	17.6	5.54	123.45	48.67	17.33	3.89	1.93	1.18	5.32	0.71	0.20	43.25	11.60	7.55	0.74	0.24	1.58	267.63
HH0051	605400	6519095	14.4	4.59	91.39	40.81	12.05	2.76	1.30	0.87	3.86	0.50	0.13	33.23	9.06	5.72	0.52	0.17	1.10	203.47
HH0052	605300	6519095	14.1	4.71	93.48	43.86	13.60	3.09	1.52	0.98	4.43	0.54	0.16	36.61	9.75	6.38	0.59	0.19	1.20	216.39
HH0053	605200	6519095	12.2	4.07	82.06	40.81	12.51	2.80	1.37	0.91	4.00	0.51	0.14	34.31	9.22	5.90	0.55	0.18	1.13	196.39
HH0054	605100	6519097	12.9	4.37	80.58	35.18	11.12	2.55	1.23	0.77	3.54	0.45	0.13	29.36	7.85	5.10	0.48	0.15	0.99	179.49
HH0055	605000	6519098	18.5	6.4	123.45	46.56	16.41	3.73	1.79	1.10	4.97	0.67	0.19	40.47	10.91	7.33	0.71	0.23	1.52	260.05
HH0056	604900	6519099	15.9	5.24	103.55	41.05	13.89	3.13	1.52	0.96	4.25	0.57	0.16	35.28	9.44	6.20	0.59	0.20	1.32	222.11
HH0057	604800	6519099	13.9	4.41	101.22	45.04	15.32	3.22	1.66	1.06	4.57	0.60	0.17	38.06	10.12	6.61	0.61	0.20	1.35	229.81
HH0058	604700	6519100	11.7	5.62	71.49	28.73	9.66	2.10	1.09	0.64	2.94	0.39	0.11	23.92	6.48	4.19	0.41	0.13	0.89	153.19
HH0059	604600	6519103	17.5	5.39	117.80	49.02	17.73	3.81	1.94	1.11	5.17	0.70	0.19	42.29	11.25	7.40	0.72	0.24	1.59	260.97
HH0060	604500	6519110	16.8	5.27	111.17	48.55	17.16	3.67	1.82</											

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0064	593348	6509300	12.4	3.78	126.53	53.48	17.67	3.64	1.74	0.88	5.12	0.65	0.19	44.70	11.22	7.23	0.67	0.21	1.35	275.29
HH0065	593348	6509100	16.5	4.88	156.62	69.66	24.45	4.86	2.37	1.16	6.56	0.88	0.25	58.11	14.73	9.47	0.87	0.28	1.86	352.14
HH0066	593292	6508900	9	3.12	118.05	41.05	14.06	3.20	1.49	0.78	4.22	0.55	0.17	36.85	9.38	6.30	0.58	0.19	1.23	238.11
HH0067	593164	6508700	5.8	2.16	70.88	25.10	7.63	1.80	0.80	0.48	2.43	0.31	0.09	22.77	5.74	3.78	0.33	0.10	0.64	142.88
HH0068	593031	6508500	48.4	8.4	380.80	53.60	25.36	5.09	2.52	1.10	6.12	0.92	0.28	48.93	12.18	8.74	0.95	0.32	2.07	548.97
HH0069	593010	6508300	15.2	4.21	118.91	48.44	17.10	3.48	1.64	0.93	4.79	0.62	0.18	42.41	10.46	7.16	0.63	0.20	1.31	258.26
HH0070	593007	6508100	10.6	4.47	116.94	39.99	13.77	3.17	1.48	0.85	4.28	0.55	0.17	38.54	9.60	6.63	0.59	0.19	1.21	237.97
HH0071	593008	6507900	9.8	3.43	102.20	36.59	11.88	2.72	1.27	0.69	3.71	0.48	0.14	33.10	8.38	5.54	0.50	0.15	0.99	208.36
HH0072	592968	6507700	12.4	4.27	127.75	47.15	15.26	3.49	1.64	0.97	4.89	0.62	0.18	43.86	11.03	7.30	0.64	0.21	1.33	266.33
HH0073	592874	6507500	10.2	3.88	96.55	42.10	12.91	2.73	1.33	0.77	3.99	0.49	0.15	36.49	9.14	6.12	0.52	0.16	1.06	214.52
HH0074	592827	6507300	13.6	4.57	146.79	57.12	17.16	3.83	1.77	1.07	5.41	0.66	0.21	50.38	12.70	8.26	0.71	0.22	1.43	307.71
HH0076	607024	6514358	18	4.83	110.06	42.22	16.07	3.44	1.71	1.07	4.48	0.61	0.19	37.45	9.82	6.35	0.59	0.20	1.43	235.70
HH0077	606929	6514523	14.2	3.85	87.95	33.31	12.05	2.58	1.23	0.78	3.34	0.45	0.14	28.39	7.36	4.67	0.44	0.16	1.09	183.96
HH0078	606894	6514616	11.9	3.88	87.95	33.78	12.62	2.66	1.24	0.81	3.40	0.45	0.15	29.60	7.72	4.96	0.45	0.16	1.05	187.01
HH0079	606860	6514712	12.9	4.85	110.92	34.71	13.03	2.94	1.40	0.92	3.89	0.51	0.16	31.65	8.30	5.59	0.52	0.18	1.22	215.95
HH0080	606821	6514807	12.5	5.33	154.78	58.64	19.11	4.29	1.97	1.35	5.85	0.73	0.22	50.02	13.22	8.55	0.77	0.25	1.64	321.38
HH0081	606785	6514904	6	2.63	92.99	40.93	12.17	2.65	1.24	0.83	3.68	0.44	0.12	33.10	8.64	5.38	0.47	0.15	1.00	203.79
HH0082	606748	6514996	9.4	4.12	130.82	50.90	16.76	3.58	1.63	1.14	4.85	0.61	0.17	42.65	11.21	7.09	0.64	0.19	1.36	273.61
HH0083	606715	6515092	8.2	3.6	114.86	45.15	14.58	3.17	1.49	0.99	4.28	0.53	0.16	38.06	10.04	6.30	0.55	0.18	1.20	241.56
HH0084	606677	6515187	10.2	4.56	135.74	53.95	17.10	3.81	1.74	1.19	5.25	0.64	0.19	45.07	12.06	7.57	0.68	0.21	1.43	286.63
HH0085	606637	6515288	12.6	5.87	171.36	66.73	21.23	4.85	2.14	1.50	6.41	0.79	0.23	57.03	15.07	9.44	0.85	0.27	1.75	359.66
HH0086	606602	6515382	10.4	4.36	149.86	51.72	16.93	3.78	1.78	1.21	5.07	0.64	0.19	43.62	11.60	7.46	0.66	0.21	1.44	296.18
HH0087	606565	6515477	13.8	6.34	172.59	59.23	21.86	4.78	2.28	1.42	6.27	0.81	0.24	52.07	13.57	8.79	0.82	0.28	1.92	346.92
HH0088	606528	6515575	12.9	6.03	157.24	55.36	20.31	4.51	2.11	1.34	5.99	0.77	0.24	47.97	12.76	8.45	0.78	0.27	1.82	319.90
HH0089	606493	6515666	11.5	4.8	142.49	45.62	17.50	3.88	1.84	1.22	5.12	0.66	0.20	42.65	11.09	7.56	0.66	0.22	1.58	282.29
HH0090	606456	6515762	15.6	5.84	136.97	48.79	18.13	3.96	1.91	1.22	5.30	0.69	0.21	43.74	11.33	7.47	0.69	0.23	1.64	282.28
HH0091	606421	6515858	17	6.47	142.49	48.08	19.63	4.15	2.00	1.27	5.42	0.72	0.24	44.10	11.46	7.66	0.72	0.25	1.74	289.93
HH0092	606386	6515953	16.3	6.27	125.30	43.51	15.61	3.49	1.68	1.07	4.60	0.58	0.19	37.58	9.93	6.56	0.60	0.21	1.42	252.33
HH0093	606350	6516044	15.7	5.63	127.14	44.21	16.70	3.69	1.73	1.11	4.77	0.63	0.20	40.47	10.41	6.89	0.64	0.21	1.51	260.32
HH0094	606315	6516143	15.5	5.52	110.80	41.11	15.26	3.29	1.61	1.00	4.30	0.55	0.19	35.16	9.18	6.10	0.57	0.20	1.37	229.71
HH0095	606277	6516238	14.3	4.83	100.36	35.65	13.60	2.90	1.40	0.87	3.85	0.50	0.16	31.90	8.28	5.40	0.50	0.18	1.25	206.79
HH0096	606241	6516328	17.5	6.1	121.37	41.17	15.90	3.43	1.67	1.10	4.54	0.59	0.20	37.58	9.81	6.46	0.60	0.22	1.46	246.08
HH0097	606205	6516422	18.5	6.38	121.12	43.04	15.78	3.53	1.70	1.09	4.60	0.60	0.21	38.78	10.13	6.60	0.62	0.21	1.53	249.57
HH0098	606171	6516513	16.7	6.02	127.14	44.21	16.58	3.76	1.78	1.16	4.98	0.64	0.21	40.47	10.53	7.06	0.67	0.21	1.62	261.04
HH0099	606133	6516613	8.5	3	62.53	23.16	7.94	1.76	0.82	0.56	2.37	0.30	0.09	20.48	5.40	3.41	0.31	0.10	0.70	129.94
HH0101	606099	6516710	9	3.01	69.04	27.44	9.23	2.04	0.95	0.63	2.78	0.34	0.10	23.80	6.17	4.05	0.36	0.12	0.79	147.84
HH0102	606061	6516805	11.2	3.31	78.99	31.55	10.32	2.19	1.04	0.74	3.01	0.37	0.11	26.58	6.97	4.45	0.39	0.13	0.88	167.71
HH0103	606026	6516898	12.5	3.59	93.60	38.35	12.51	2.76	1.26	0.91	3.86	0.47	0.14	33.47	8.78	5.67	0.49	0.16	1.08	203.51
HH0104	605989	6516991	14.2	4.3	103.19	40.34	13.37	2.95	1.40	1.00	4.01	0.51	0.15	34.92	9.13	5.95	0.52	0.17	1.13	218.74
HH0105	605953	6517087	17.4	5.08	115.22	43.86	14.52	3.25	1.51	1.08	4.43	0.54	0.16	38.30	10.01	6.49	0.57	0.18	1.27	241.40
HH0106	605914	6517184	16.2	4.86	133.28	49.61	16.07	3.59	1.66	1.18	4.94	0.60	0.18	44.10	11.55	7.43	0.64	0.21	1.46	276.51
HH0107	605879	6517278	15.2	4.7	112.64	43.39	13.94	3.04	1.44	1.06	4.17	0.52	0.16	38.06	9.96	6.46	0.55	0.18	1.22	236.79
HH0108	605845	6517372	13.8	3.95	95.45	38.35	11.82	2.54	1.22	0.90	3.54	0.43	0.13	32.62	8.58	5.45	0.45	0.15	1.04	202.67
HH0109	605809	6517465	17.3	4.97	129.60	49.02	15.32	3.42	1.61	1.19	4.66	0.57	0.18	42.77	11.18	7.06	0.61	0.20	1.37	268.75
HH0110	605772	6517562	15.8	4.63	124.07	52.54	16.07	3.52	1.63	1.24	4.88	0.59	0.17	44.82	11.77	7.34	0.63	0.20	1.37	270.85
HH0111	605733	6517660	16.2	4.39	133.28	53.60	15.90	3.60	1.66	1.26	5.04	0.60	0.19	46.27	12.18	7.54	0.65	0.21	1.42	283.41
HH0112	605699	6517752	15.6	4.3	128.98	55.12	16.07	3.43	1.68	1.26	5.03	0.60	0.19	48.45	12.41	7.53	0.60	0.20	1.49	283.02
HH0113	605665	6517845	19.2	5.41	140.04	55.47	16.93	3.69	1.81	1.32	5.33	0.63	0.21	49.78	12.70	7.83	0.67	0.22	1.64	298.26
HH0114	605585	6519995	15.6	5.22	119.77	48.91	16.07	3.50	1.70	1.18	4.99	0.61	0.19	43.37	11.25	7.10	0.64	0.21	1.54	261.03
HH0115	605586	6520094	14.4	4.55	135.12	56.53	18.94	4.07	1.95	1.39	5.77	0.71	0.22	50.02	12.76	8.16	0.74	0.23	1.78	298.40
HH0116	605587	6520206	15.7	5.02	123.45	50.20	16.13	3.46	1.68	1.12	4.86	0.61	0.19	42.53	11.05	6.79	0.62	0.21	1.52	264.42
HH0117	605589	6520306	14.9	4.83	137.58	58.05	18.54	3.93	1.92	1.39	5.65	0.69	0.21	50.62	12.99	8.12	0.71	0.23	1.66	302.28
HH0118	605587	6520406	2.4	1.265	47.05	22.22	4.67	1.09	0.49	0.34	1.64	0.19	0.04	16.85	4.57	2.48	0.20	0.05	0.37	102.26
HH0119	605590	6520511	18.8	4.9	257.96	107.19	33.28	7.18	3.40	2.46	10.24	1.24	0.36	92.91	25.40	14.88	1.30	0.40	2.92	561.12
HH0120	605592	6520611	15.8	4.85	184.26	64.86	21.86	5.07	2.43	1.71	7.11	0.86	0.26	60.65	15.60	10.17	0.90	0.29	2.11	378.15
HH0121	605594	6520716	16.8	4.68	134.51	56.06	17.73	3.81	1.84	1.32	5.43	0.68	0.20	48.57	12.52	7.79	0.70	0.22	1.57	292.95
HH0122	605594	6520815	15.4	4.32	183.65	78.23	25.02	5.23	2.43	1.83	7.58	0.90	0.27	68.14	17.74	11.00	0.94	0.30	2.11	405.37
HH0123	605594	6520909	12.1	4.12	180.57	76.94	23.41	5.18	2.43	1.79	7.42	0.88	0.27	66.57	17.2					

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0130	605600	6521524	6.1	2.64	95.57	42.46	6.78	1.68	0.75	0.58	2.80	0.27	0.07	32.86	8.85	4.61	0.32	0.09	0.64	198.32
HH0131	605602	6521623	4.5	1.865	69.04	36.36	5.62	1.30	0.53	0.37	2.01	0.21	0.05	23.98	6.73	3.26	0.25	0.06	0.42	150.18
HH0132	605601	6521720	6.8	3.25	63.14	28.73	5.43	1.26	0.56	0.37	1.72	0.22	0.06	19.87	5.38	2.79	0.22	0.06	0.50	130.30
HH0133	605604	6521819	6.9	2.97	82.30	38.70	5.41	1.38	0.55	0.35	2.06	0.24	0.06	25.01	6.96	3.41	0.26	0.06	0.48	167.23
HH0134	608514	6518956	4.3	2.03	58.84	26.04	5.36	1.30	0.56	0.38	2.08	0.21	0.05	20.18	5.47	3.15	0.25	0.06	0.43	124.35
HH0135	608611	6518993	6.4	2.8	83.16	37.30	8.53	1.96	0.91	0.62	3.12	0.34	0.09	29.72	7.98	4.68	0.38	0.11	0.73	179.61
HH0136	608706	6519031	4	1.81	60.56	28.38	4.57	1.15	0.45	0.32	1.90	0.18	0.04	20.30	5.69	3.06	0.23	0.05	0.33	127.22
HH0137	608802	6519065	3.4	1.68	54.79	25.57	4.58	1.09	0.43	0.33	1.74	0.17	0.03	17.82	5.02	2.63	0.21	0.05	0.31	114.78
HH0138	608898	6519101	6	2.83	68.91	32.25	7.15	1.63	0.72	0.55	2.49	0.28	0.07	24.77	6.77	3.76	0.31	0.08	0.60	150.35
HH0139	608989	6519134	17.6	5.23	214.36	96.99	30.18	6.50	3.09	2.20	9.39	1.13	0.32	83.49	21.68	13.23	1.16	0.36	2.63	486.72
HH0140	609082	6519172	6.6	2.73	64.98	27.56	7.90	1.85	0.89	0.57	2.50	0.32	0.09	23.62	6.18	3.79	0.32	0.11	0.70	141.39
HH0141	609178	6519212	4.8	2.04	64.98	27.91	7.10	1.62	0.75	0.47	2.29	0.29	0.07	22.35	5.98	3.35	0.29	0.09	0.65	138.21
HH0142	609272	6519246	5.4	2.05	102.82	35.77	9.09	2.09	1.03	0.59	2.81	0.36	0.10	28.03	7.62	4.16	0.37	0.12	0.89	195.85
HH0143	604375	6519105	13.3	4.32	102.82	42.92	14.75	3.02	1.49	1.00	4.16	0.53	0.17	37.45	9.53	5.94	0.53	0.18	1.31	225.81
HH0144	604275	6519108	15.1	4.43	80.21	35.07	11.45	2.40	1.18	0.81	3.39	0.42	0.14	29.60	7.68	4.83	0.42	0.14	1.05	178.79
HH0145	604169	6519110	14	3.87	71.62	34.95	11.43	2.39	1.15	0.81	3.38	0.42	0.13	29.24	7.60	4.79	0.42	0.14	0.96	169.41
HH0146	604069	6519110	18.9	5.29	87.58	41.17	14.63	2.95	1.44	0.97	4.15	0.52	0.16	35.28	9.13	5.66	0.51	0.17	1.27	205.59
HH0147	603968	6519112	20.7	6.88	141.88	59.81	20.26	4.48	2.14	1.49	6.22	0.77	0.25	54.01	13.74	8.94	0.82	0.25	1.85	316.91
HH0148	603866	6519114	8.1	2.42	42.13	15.72	5.30	1.19	0.59	0.41	1.58	0.21	0.06	14.98	3.82	2.63	0.22	0.06	0.48	89.39
HH0149	603760	6519114	8.9	2.61	16.89	9.16	1.26	0.37	0.16	0.12	0.47	0.06	0.02	4.98	1.43	0.84	0.07	0.02	0.17	36.01
HH0151	603653	6519115	4.5	1.765	18.49	7.99	1.45	0.32	0.14	0.11	0.44	0.06	0.02	5.22	1.51	0.82	0.06	0.02	0.13	36.77
HH0152	603551	6519115	4.4	1.83	18.24	7.71	1.06	0.27	0.11	0.11	0.42	0.04	0.01	5.42	1.52	0.84	0.06	0.01	0.10	35.93
HH0153	603446	6519116	5.1	1.71	34.89	10.66	4.66	1.11	0.52	0.34	1.42	0.19	0.06	12.26	2.97	2.27	0.20	0.06	0.51	72.13
HH0154	603347	6519118	16	4.32	80.58	22.40	11.45	3.02	1.46	0.91	3.77	0.52	0.17	28.15	6.60	5.68	0.53	0.17	1.35	166.76
HH0155	603243	6519121	11.7	3.12	76.78	17.12	11.02	2.96	1.42	0.87	3.57	0.50	0.18	25.98	6.08	5.38	0.52	0.18	1.37	153.92
HH0156	603143	6519121	6.4	1.98	53.93	13.66	7.21	1.80	0.87	0.51	2.29	0.31	0.10	17.58	4.33	3.45	0.33	0.11	0.85	107.32
HH0157	603038	6519121	5.7	2.07	69.90	17.42	7.77	2.22	0.99	0.63	2.69	0.37	0.11	21.93	5.52	4.22	0.39	0.12	0.91	135.19
HH0158	602929	6519121	6.6	2.01	86.73	19.70	9.50	2.57	1.25	0.73	3.17	0.44	0.15	25.37	6.47	4.75	0.45	0.15	1.12	162.55
HH0159	600914	6516312	2.9	1.165	16.09	6.74	1.91	0.45	0.22	0.12	0.58	0.08	0.02	5.36	1.44	0.88	0.08	0.02	0.18	34.19
HH0160	600954	6516202	2.7	1.1	19.29	8.30	2.48	0.60	0.26	0.18	0.78	0.10	0.03	6.79	1.86	1.19	0.11	0.03	0.21	42.20
HH0161	600986	6516108	1.2	0.511	11.33	5.51	1.21	0.30	0.13	0.08	0.45	0.05	0.01	4.16	1.14	0.70	0.06	0.01	0.10	25.23
HH0162	601022	6516014	1.6	0.802	14.80	6.79	1.76	0.43	0.19	0.12	0.62	0.07	0.02	5.36	1.48	0.89	0.08	0.02	0.15	32.80
HH0163	601059	6515919	2.3	1.34	25.67	10.95	3.42	0.80	0.37	0.24	1.14	0.14	0.04	9.32	2.48	1.62	0.15	0.04	0.32	56.72
HH0164	601093	6515817	5.4	2.27	48.03	18.35	8.34	1.64	0.83	0.44	2.04	0.29	0.10	16.19	4.20	2.80	0.28	0.10	0.78	104.43
HH0165	601130	6515718	2.9	1.325	22.23	10.85	3.27	0.68	0.33	0.16	0.91	0.11	0.03	8.20	2.24	1.31	0.13	0.04	0.24	50.72
HH0166	601163	6515621	3.3	1.905	25.80	10.73	3.98	0.82	0.42	0.22	1.09	0.15	0.05	9.01	2.39	1.49	0.15	0.05	0.37	56.73
HH0167	601200	6515526	2.9	1.485	18.61	10.05	5.90	1.01	0.55	0.26	1.25	0.20	0.06	9.39	2.41	1.62	0.17	0.06	0.42	51.96
HH0168	601230	6515437	2.6	1.895	13.21	7.26	2.65	0.52	0.26	0.16	0.74	0.09	0.03	6.40	1.66	1.03	0.10	0.03	0.20	34.34
HH0169	601265	6515340	2.3	1.535	13.02	6.63	1.98	0.48	0.21	0.14	0.60	0.08	0.02	5.53	1.51	0.90	0.08	0.02	0.17	31.37
HH0170	601301	6515246	2	1.61	13.08	6.59	2.06	0.45	0.22	0.13	0.64	0.08	0.02	5.81	1.51	1.00	0.08	0.03	0.20	31.92
HH0171	601335	6515145	2.1	1.74	13.14	6.74	1.88	0.47	0.22	0.13	0.63	0.08	0.02	6.00	1.58	0.98	0.08	0.03	0.17	32.17
HH0172	601362	6515040	2.2	1.85	16.83	7.99	2.44	0.58	0.27	0.18	0.78	0.10	0.03	7.12	1.86	1.19	0.11	0.03	0.22	39.71
HH0173	601354	6514946	3.4	2.66	24.08	11.21	3.19	0.76	0.36	0.23	1.12	0.13	0.04	10.12	2.59	1.70	0.14	0.04	0.31	56.01
HH0174	601342	6514844	3.4	2.66	31.20	12.72	3.93	0.97	0.45	0.32	1.32	0.16	0.05	11.82	3.06	2.08	0.18	0.05	0.37	68.68
HH0177	601330	6514746	3.7	2.01	32.55	11.79	5.04	1.06	0.52	0.30	1.39	0.19	0.05	11.06	2.84	1.91	0.19	0.06	0.39	69.34
HH0178	601316	6514646	3.3	1.49	20.15	8.70	2.52	0.59	0.29	0.15	0.79	0.10	0.03	7.03	1.86	1.18	0.11	0.03	0.22	43.74
HH0179	601306	6514552	3.6	1.77	41.89	17.83	6.61	1.36	0.66	0.40	1.82	0.25	0.07	15.53	4.09	2.66	0.24	0.08	0.55	94.04
HH0180	601293	6514444	4.7	2.58	29.85	13.02	4.96	1.09	0.54	0.34	1.53	0.19	0.07	12.69	3.21	2.22	0.19	0.07	0.50	70.46
HH0181	601280	6514348	3.1	1.835	32.18	15.31	6.21	1.26	0.61	0.38	1.81	0.22	0.07	14.74	3.84	2.58	0.23	0.07	0.51	80.01
HH0182	601268	6514242	9.1	3.64	101.47	43.04	20.54	4.19	2.14	1.19	5.21	0.74	0.24	43.37	10.96	7.27	0.73	0.25	1.85	243.18
HH0183	601256	6514142	9.1	2.91	144.34	42.10	21.58	4.65	2.36	1.27	5.72	0.85	0.27	46.15	11.89	8.07	0.81	0.28	2.14	292.48
HH0184	601243	6514038	8.8	2.11	140.65	41.40	23.53	4.80	2.44	1.25	6.11	0.87	0.25	46.76	11.77	7.86	0.84	0.29	1.96	290.78
HH0185	601232	6513950	12.8	3.62	261.65	62.98	35.46	7.68	3.83	2.00	9.24	1.33	0.43	75.15	19.08	13.00	1.31	0.47	3.25	496.87
HH0186	601218	6513835	16.9	4.87	323.07	98.28	57.61	11.72	6.09	3.02	14.26	2.14	0.66	114.05	29.69	19.23	2.02	0.75	5.13	687.74
HH0187	601207	6513746	16.6	5.78	113.63	37.18	13.66	3.58	1.64	1.13	4.70	0.60	0.18	40.11	10.11	7.63	0.65	0.20	1.43	236.43
HH0188	601193	6513642	9	2.73	111.29	28.26	12.28	3.29	1.51	0.95	4.23	0.55	0.16	35.04	8.98	6.23	0.61	0.19	1.26	214.82
HH0189	601163	6513542	20.7	6.46	87.22	27.21	9.40	3.84	1.87	1.20	4.43	0.65	0.26	33.59	7.82	7.62	0.67	0.26	2.02	188.06
HH0190	601133	6513448	21.3	5.7	171.98	49.49	17.22	5.76	2.65	1.76	6.94	0.94	0.33	56.18	13.92	11.35	1.03	0.35	2.59	342.49
HH0191	601102	6513344	6.7	1.53	118.17	18.41	8.22	2.38	1.10	0.70	2.90									



ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0196	600951	6512867	4.5	1.3	36.85	12.61	3.34	0.97	0.40	0.28	1.31	0.15	0.04	12.01	3.13	2.13	0.18	0.05	0.33	73.78
HH0197	600920	6512768	6.9	1.97	82.43	20.88	9.07	2.37	1.13	0.76	3.14	0.39	0.12	26.10	6.39	4.79	0.42	0.13	0.95	159.07
HH0198	600891	6512673	20.1	5.89	170.13	50.20	32.94	7.01	3.65	1.91	8.35	1.26	0.42	63.07	15.48	11.61	1.20	0.46	3.24	370.92
HH0199	600886	6512584	15.6	8.6	70.63	22.99	8.39	2.57	1.24	0.80	3.07	0.44	0.15	25.61	6.40	5.14	0.46	0.16	1.22	149.28
HH0201	593045	6505699	15.2	3.14	186.10	33.42	10.93	3.41	1.54	1.18	4.54	0.55	0.17	41.80	10.42	7.96	0.63	0.18	1.40	304.24
HH0202	593016	6505802	5.5	1.77	92.87	21.11	7.40	2.46	1.06	0.77	3.13	0.38	0.11	26.82	6.84	5.21	0.44	0.13	0.93	169.65
HH0203	592955	6505891	35.4	7.52	109.20	38.94	3.86	1.58	0.69	0.54	1.91	0.24	0.09	18.12	5.17	3.59	0.28	0.09	0.80	185.10
HH0204	592899	6505985	8.7	2.23	42.87	15.54	3.98	0.95	0.44	0.28	1.23	0.16	0.05	11.18	2.98	1.93	0.18	0.05	0.38	82.22
HH0205	592879	6506080	7.2	1.865	54.05	17.59	5.51	1.39	0.60	0.40	1.89	0.23	0.06	16.61	4.33	2.86	0.25	0.07	0.54	106.39
HH0206	592862	6506170	4.4	1.19	32.55	11.85	2.83	0.79	0.35	0.25	1.12	0.12	0.03	10.11	2.69	1.77	0.14	0.04	0.28	64.93
HH0207	592842	6506275	5.7	1.54	35.50	14.43	3.45	0.96	0.42	0.31	1.39	0.16	0.05	12.87	3.33	2.23	0.18	0.05	0.35	75.66
HH0208	592821	6506388	4	1.095	29.85	12.90	3.01	0.86	0.36	0.29	1.23	0.14	0.04	11.59	3.00	1.98	0.17	0.04	0.30	65.74
HH0209	592813	6506473	5	1.28	40.54	13.14	3.39	0.94	0.42	0.31	1.29	0.15	0.04	12.02	3.15	2.15	0.18	0.05	0.34	78.11
HH0210	592799	6506569	10.4	4.22	39.31	12.20	3.41	1.00	0.48	0.27	1.25	0.18	0.07	10.64	2.68	1.96	0.18	0.07	0.48	74.17
HH0211	592812	6506692	24.9	6.8	251.82	83.50	31.56	6.98	3.45	1.86	9.15	1.20	0.35	78.53	20.29	13.41	1.25	0.41	2.79	506.57
HH0212	592815	6506818	17.2	4.79	176.89	48.20	17.04	4.32	1.99	1.18	5.53	0.71	0.22	49.54	12.93	8.70	0.77	0.24	1.76	330.03
HH0213	592817	6506924	9.5	2.97	104.91	37.18	12.22	2.82	1.34	0.81	3.86	0.47	0.14	34.92	9.07	5.79	0.52	0.16	1.09	215.31
HH0214	592818	6507015	6.1	6.79	44.59	3.72	1.34	0.30	0.14	0.07	0.37	0.05	0.02	3.24	0.85	0.55	0.05	0.02	0.13	55.44
HH0215	592817	6507118	10.8	4.88	100.85	38.59	12.51	2.82	1.37	0.77	3.86	0.49	0.14	34.92	8.95	5.83	0.51	0.15	1.11	212.87
HH0216	592819	6507232	12.3	3.84	136.97	56.18	17.50	3.88	1.85	1.12	5.51	0.66	0.18	50.50	13.05	8.34	0.71	0.21	1.47	298.12
HH0217	593309	6509611	13.2	4.42	155.39	54.54	19.40	4.38	2.04	1.04	5.72	0.75	0.22	49.66	12.87	8.37	0.79	0.25	1.71	317.12
HH0218	593303	6509729	10.6	3.48	128.98	43.51	14.12	3.35	1.53	0.81	4.42	0.56	0.15	39.15	10.40	6.49	0.60	0.18	1.27	255.53
HH0219	593330	6509836	7.7	2.56	115.35	39.76	12.34	2.86	1.33	0.71	3.85	0.47	0.14	34.80	9.31	5.72	0.51	0.15	1.06	228.34
HH0220	593329	6509941	14.6	4.37	140.04	41.40	13.03	3.09	1.46	0.77	4.09	0.51	0.15	36.61	9.47	6.47	0.57	0.17	1.20	259.02
HH0221	593332	6510039	13.5	3.92	150.48	49.14	15.09	3.50	1.60	0.86	4.66	0.58	0.17	41.56	11.33	7.40	0.64	0.19	1.37	288.56
HH0222	593313	6510143	6	1.59	87.34	28.62	7.80	1.78	0.82	0.45	2.38	0.30	0.08	22.83	6.19	3.92	0.34	0.09	0.68	163.63
HH0223	593337	6510231	10.9	3.34	152.32	42.92	13.54	3.14	1.49	0.78	4.23	0.52	0.15	37.33	9.91	6.68	0.59	0.17	1.27	275.06
HH0224	593336	6510328	13.1	4.33	184.87	55.59	17.27	4.05	1.93	1.00	5.40	0.68	0.19	47.48	13.22	8.35	0.75	0.22	1.59	342.58
HH0226	593338	6510428	10.3	3.55	166.45	53.83	15.84	3.44	1.63	0.84	4.60	0.60	0.16	43.86	12.12	7.62	0.64	0.18	1.32	313.13
HH0227	593338	6510538	8.5	3.61	157.24	52.54	14.86	3.36	1.56	0.79	4.57	0.58	0.17	42.89	12.06	7.28	0.64	0.18	1.30	300.01
HH0228	593339	6510638	8.5	2.74	162.76	53.71	15.67	3.50	1.68	0.83	4.80	0.60	0.15	43.74	12.06	7.52	0.65	0.18	1.30	309.15
HH0229	593340	6510741	6.9	2.14	142.49	47.15	13.26	2.95	1.36	0.69	3.85	0.48	0.12	37.45	10.12	6.26	0.55	0.15	1.08	267.97
HH0230	593342	6510852	16.4	4.99	250.59	72.01	21.92	5.10	2.41	1.14	6.48	0.86	0.22	61.50	16.93	10.70	0.92	0.27	1.96	453.02
HH0231	593342	6510949	12	4.01	170.75	52.78	15.32	3.64	1.67	0.86	4.83	0.61	0.15	44.70	12.52	7.69	0.67	0.19	1.35	317.75
HH0232	593345	6511050	11.4	3.76	210.67	63.10	19.28	4.55	2.11	0.98	5.93	0.76	0.19	54.73	15.31	9.66	0.84	0.23	1.71	390.05
HH0233	593344	6511142	6.5	2.13	100.24	34.60	9.81	2.30	1.08	0.50	2.99	0.38	0.10	27.79	7.55	4.85	0.43	0.12	0.87	193.60
HH0234	593346	6511244	10.2	3.13	184.87	55.83	16.81	3.96	1.88	0.86	5.15	0.67	0.17	48.33	13.05	8.52	0.74	0.21	1.50	342.54
HH0235	593346	6511346	6.3	2.52	139.42	43.98	12.97	3.06	1.41	0.64	3.95	0.51	0.13	36.73	9.86	6.39	0.56	0.16	1.12	260.88
HH0236	593349	6511444	5.7	2.06	116.33	38.23	10.58	2.54	1.16	0.57	3.20	0.42	0.10	30.93	8.29	5.35	0.46	0.14	0.98	219.29
HH0237	593346	6511552	3.9	1.12	50.49	17.77	4.42	1.08	0.49	0.25	1.37	0.18	0.05	13.29	3.70	2.29	0.20	0.06	0.42	96.04
HH0238	593350	6511652	4.5	1.465	90.16	26.51	6.93	1.80	0.81	0.42	2.28	0.29	0.08	21.45	5.88	3.79	0.33	0.10	0.67	161.49
HH0239	593350	6511758	7.4	2.9	124.68	48.67	13.20	2.88	1.32	0.85	3.83	0.49	0.13	37.82	10.16	6.43	0.53	0.16	1.16	252.31
HH0240	593341	6511858	5.6	2.01	101.71	29.55	7.83	1.90	0.92	0.53	2.53	0.32	0.09	23.92	6.51	4.26	0.35	0.10	0.79	181.32
HH0241	593351	6511963	4.9	1.73	79.72	26.39	6.96	1.63	0.75	0.48	2.16	0.27	0.08	20.36	5.61	3.61	0.31	0.09	0.67	149.09
HH0242	593351	6512054	4	1.74	82.18	30.73	8.44	1.97	0.90	0.58	2.61	0.33	0.09	24.65	6.62	4.33	0.37	0.11	0.76	164.65
HH0243	593353	6512164	5.7	2.59	108.10	37.76	10.32	2.57	1.21	0.78	3.46	0.43	0.12	32.50	8.62	5.79	0.48	0.14	1.04	213.31
HH0244	593352	6512254	2.8	0.987	56.75	22.87	5.14	1.22	0.54	0.38	1.64	0.20	0.06	16.55	4.59	2.82	0.23	0.06	0.48	113.54
HH0245	593354	6512362	4.3	1.965	117.93	43.51	11.53	2.58	1.20	0.76	3.49	0.42	0.12	34.19	9.14	5.80	0.48	0.14	1.04	232.35
HH0246	593355	6512459	5.7	2.01	95.82	37.53	9.66	2.20	1.01	0.67	2.99	0.36	0.10	28.76	7.87	4.86	0.40	0.12	0.88	193.23
HH0247	593357	6512560	2.8	1.18	82.92	33.54	8.26	1.82	0.86	0.55	2.47	0.31	0.09	24.10	6.61	4.03	0.34	0.10	0.72	166.74
HH0248	593360	6512675	1.8	0.606	31.08	11.79	2.89	0.62	0.30	0.18	0.87	0.11	0.03	8.02	2.24	1.30	0.12	0.03	0.26	59.85
HH0249	593359	6512765	4	1.275	50.61	20.88	5.50	1.16	0.57	0.34	1.52	0.19	0.06	14.68	3.99	2.41	0.21	0.07	0.53	102.73
HH0251	593359	6512866	1	0.424	15.60	6.70	1.44	0.31	0.15	0.10	0.47	0.05	0.01	4.41	1.25	0.73	0.06	0.02	0.14	31.44
HH0252	593362	6512964	1.2	0.393	16.21	6.92	1.51	0.33	0.15	0.12	0.47	0.05	0.02	4.74	1.28	0.79	0.06	0.02	0.13	32.80
HH0253	593363	6513067	2	0.768	23.89	11.60	2.64	0.59	0.26	0.17	0.80	0.10	0.03	8.00	2.21	1.33	0.11	0.03	0.24	52.01
HH0254	593366	6513163	2.4	1.085	38.57	19.23	4.50	0.96	0.43	0.30	1.33	0.16	0.04	12.99	3.55	2.13	0.18	0.05	0.38	84.80
HH0255	593364	6513254	3.1	1.355	80.71	36.24	8.70	1.98	0.91	0.63	2.77	0.33	0.09	27.55	7.36	4.52	0.38	0.10	0.77	173.04
HH0256	593367	6513375	2.2	0.874	39.31	21.05	4.94	0.99	0.44	0.37	1.42	0.16	0.05	16.25	4.49	2.27	0.19	0.05	0.39	92.37
HH0257	593367	6513476	3.6	1.16																

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0262	593373	6513973	2.8	1.41	160.92	79.63	18.99	3.70	1.64	1.53	5.70	0.61	0.17	66.09	18.50	9.03	0.71	0.19	1.40	368.83
HH0263	593376	6514074	4.7	2.7	98.89	40.23	9.96	2.08	0.94	0.83	3.01	0.34	0.10	33.35	8.99	4.82	0.40	0.12	0.88	204.92
HH0264	593376	6514171	3.5	1.65	98.15	50.31	13.08	2.57	1.11	1.04	3.92	0.41	0.12	43.37	11.35	6.14	0.50	0.13	0.94	233.15
HH0265	593377	6514276	2.4	1.215	80.21	38.94	9.53	2.07	0.88	0.81	3.04	0.33	0.09	32.02	8.66	4.69	0.40	0.10	0.69	182.44
HH0266	593378	6514374	8.4	3.23	203.30	77.76	20.60	4.23	1.89	1.68	6.14	0.71	0.22	66.57	18.55	9.56	0.82	0.22	1.70	413.97
HH0267	593379	6514488	2.6	1.205	88.44	44.57	10.86	2.38	0.97	0.95	3.56	0.38	0.10	36.97	10.07	5.40	0.45	0.11	0.85	206.05
HH0268	593380	6514580	2.9	1.375	81.20	38.35	8.85	2.02	0.82	0.81	3.05	0.32	0.08	31.78	8.69	4.75	0.40	0.09	0.68	181.88
HH0269	597218	6513321	13.7	4.06	149.86	63.33	20.31	4.03	1.86	1.58	5.68	0.69	0.21	57.99	15.02	8.54	0.74	0.22	1.57	331.64
HH0270	597113	6513320	12.5	4.35	163.99	74.71	22.61	4.31	1.99	1.73	6.06	0.75	0.21	62.58	16.87	9.16	0.80	0.23	1.75	367.77
HH0271	597010	6513325	10.2	4.01	113.14	51.25	15.55	3.22	1.48	1.23	4.55	0.55	0.15	45.91	12.06	6.67	0.59	0.17	1.27	257.79
HH0272	596909	6513323	13.7	4.33	124.68	76.82	22.15	4.49	2.03	1.82	6.45	0.77	0.22	66.93	18.67	9.90	0.84	0.24	1.74	337.76
HH0273	596808	6513325	15.4	5.06	145.57	74.24	22.67	4.67	2.15	1.80	6.83	0.79	0.24	68.02	18.50	10.21	0.91	0.25	1.87	358.72
HH0274	596709	6513327	14.9	4.96	151.09	74.24	22.04	4.54	2.06	1.78	6.55	0.76	0.22	65.36	18.09	9.64	0.85	0.24	1.74	359.19
HH0276	596607	6513326	10.7	4.06	124.68	51.60	15.90	3.25	1.49	1.23	4.51	0.56	0.16	45.55	12.00	6.74	0.59	0.17	1.30	269.74
HH0277	596504	6513331	11.4	3.8	135.12	56.53	17.96	3.51	1.66	1.37	4.90	0.60	0.18	50.02	13.34	7.49	0.66	0.19	1.40	294.92
HH0278	596403	6513329	11.3	3.69	134.51	65.21	20.72	3.91	1.85	1.55	5.70	0.67	0.20	57.99	15.71	8.54	0.74	0.21	1.55	319.06
HH0279	596300	6513332	9.1	3.18	115.22	52.54	16.41	3.13	1.42	1.24	4.57	0.52	0.16	48.21	12.52	7.01	0.59	0.17	1.26	264.99
HH0280	596200	6513331	4.3	1.565	53.56	24.98	6.90	1.36	0.62	0.53	1.98	0.23	0.07	21.02	5.51	3.01	0.26	0.07	0.54	120.63
HH0281	596097	6513334	5.1	1.605	55.65	25.10	6.94	1.38	0.63	0.55	1.95	0.23	0.07	21.08	5.59	3.08	0.26	0.07	0.56	123.14
HH0282	595993	6513336	4.7	1.535	79.35	34.48	9.23	1.91	0.85	0.77	2.75	0.31	0.09	30.08	7.94	4.36	0.36	0.09	0.77	173.37
HH0283	595894	6513334	7.5	2.44	98.39	45.74	13.54	2.66	1.20	1.08	3.79	0.46	0.14	40.23	10.61	5.90	0.50	0.14	1.08	225.48
HH0284	595787	6513337	6.8	2.44	87.71	35.65	9.64	2.00	0.89	0.78	2.91	0.34	0.10	30.45	8.11	4.46	0.39	0.10	0.80	184.32
HH0285	595679	6513336	1.6	0.927	22.66	10.14	2.44	0.50	0.22	0.20	0.73	0.08	0.02	8.30	2.24	1.15	0.09	0.03	0.21	49.03
HH0286	595588	6513339	4.7	1.515	61.79	21.23	5.49	1.23	0.52	0.49	1.71	0.20	0.06	18.73	5.03	2.76	0.23	0.06	0.47	120.01
HH0288	595487	6513338	1.4	1.605	18.12	6.66	18.59	3.19	1.74	0.67	3.49	0.61	0.20	12.38	2.41	3.07	0.52	0.21	1.57	73.45
HH0289	595386	6513341	2.7	1.015	37.96	12.14	3.12	0.72	0.30	0.29	1.00	0.12	0.04	10.69	2.90	1.59	0.14	0.04	0.27	71.31
HH0290	595287	6513343	3.9	1.53	55.65	15.48	4.04	0.99	0.41	0.37	1.35	0.16	0.05	14.02	3.82	2.13	0.19	0.05	0.40	99.09
HH0291	595186	6513343	6.3	2.12	75.67	23.93	6.32	1.45	0.64	0.58	2.11	0.24	0.08	21.39	5.84	3.16	0.28	0.08	0.62	142.39
HH0292	595081	6513344	7.4	4.11	99.75	46.33	13.54	2.64	1.24	1.10	3.96	0.45	0.14	41.92	10.81	6.00	0.50	0.15	1.07	229.62
HH0293	594965	6513340	3.7	1.61	71.25	21.76	4.85	1.25	0.52	0.42	1.75	0.21	0.06	17.22	4.81	2.88	0.24	0.07	0.46	127.75
HH0294	594871	6513344	6	2.33	91.88	29.55	7.22	1.80	0.75	0.60	2.49	0.30	0.09	23.56	6.56	3.90	0.35	0.10	0.65	169.81
HH0295	594773	6513346	9.4	3.83	123.45	36.36	9.26	2.37	1.00	0.84	3.14	0.40	0.12	30.93	8.69	5.35	0.45	0.13	0.85	223.34
HH0296	594676	6513348	4.6	2.21	117.07	36.36	9.55	2.39	0.99	0.82	3.33	0.41	0.12	30.93	8.57	5.26	0.46	0.13	0.83	217.21
HH0297	594581	6513345	6.7	2.82	99.62	35.42	8.71	2.11	0.90	0.72	2.97	0.36	0.10	27.91	7.87	4.63	0.41	0.12	0.73	192.58
HH0298	594475	6513350	2.3	1.075	41.77	15.01	3.23	0.82	0.33	0.26	1.13	0.14	0.04	10.93	3.10	1.82	0.16	0.04	0.27	79.04
HH0299	594369	6513350	4.2	2.06	83.16	27.91	7.04	1.72	0.73	0.57	2.43	0.29	0.09	22.41	6.23	3.80	0.34	0.09	0.61	157.43
HH0301	594271	6513350	3.3	1.395	50.61	18.00	3.90	0.98	0.40	0.32	1.41	0.16	0.05	13.53	3.83	2.24	0.19	0.05	0.34	96.02
HH0302	594165	6513352	5.6	2.21	95.32	30.49	7.69	1.92	0.84	0.63	2.68	0.33	0.10	25.01	6.97	4.26	0.37	0.11	0.69	177.41
HH0303	594059	6513353	5	2.27	103.31	39.52	10.21	2.29	1.02	0.77	3.28	0.40	0.12	31.17	8.67	5.07	0.46	0.13	0.81	207.23
HH0304	593961	6513353	3.7	1.6	65.97	22.99	5.68	1.33	0.58	0.45	1.84	0.23	0.07	17.40	4.94	2.88	0.25	0.07	0.47	125.16
HH0305	593871	6513352	8.5	5.76	191.02	80.45	20.72	4.52	2.00	1.52	6.43	0.79	0.23	61.74	17.51	10.07	0.88	0.26	1.59	399.71
HH0306	593772	6513352	3.3	1.33	40.78	16.71	3.82	0.87	0.38	0.28	1.20	0.15	0.05	12.26	3.50	1.95	0.16	0.05	0.33	82.49
HH0307	593665	6513354	6.2	2.41	154.16	57.94	13.77	3.21	1.37	1.05	4.35	0.54	0.16	45.19	13.05	7.14	0.60	0.18	1.15	303.87
HH0308	593554	6513355	8	2.76	164.61	69.08	15.72	3.58	1.60	1.19	5.09	0.62	0.19	52.19	15.19	8.16	0.71	0.21	1.33	339.46
HH0309	593449	6513355	3.8	1.25	53.31	21.34	4.58	1.06	0.45	0.34	1.43	0.18	0.05	14.56	4.20	2.26	0.20	0.06	0.36	104.39
HH0316	592718	6513360	1.1	0.637	36.24	17.94	0.81	0.33	0.27	1.15	0.14	0.04	11.72	3.65	1.83	0.16	0.04	0.25	4.15	78.72
HH0317	592616	6513362	0.9	0.425	13.76	6.32	0.28	0.13	0.09	0.42	0.05	0.02	4.14	1.27	0.68	0.06	0.02	0.10	1.54	28.87
HH0318	592516	6513361	0.7	0.344	8.23	3.84	0.19	0.08	0.06	0.26	0.03	0.01	2.59	0.78	0.41	0.04	0.01	0.07	0.99	17.59
HH0319	592416	6513366	0.8	0.355	11.06	5.08	0.25	0.11	0.08	0.36	0.04	0.01	3.49	1.08	0.56	0.05	0.01	0.09	1.28	23.54
HH0320	592389	6513234	2.2	1.24	27.27	12.84	0.61	0.25	0.19	0.89	0.10	0.03	8.43	2.67	1.36	0.12	0.03	0.17	3.05	58.02
HH0321	592386	6513127	0.9	0.463	16.28	7.10	0.32	0.13	0.09	0.48	0.06	0.01	4.82	1.47	0.77	0.06	0.02	0.09	1.57	33.26
HH0322	592385	6513019	5.8	6.27	50.98	17.01	1.55	0.74	0.42	2.02	0.28	0.09	16.39	4.52	2.98	0.30	0.10	0.60	7.42	105.39
HH0323	592385	6512916	4.5	5.65	49.87	6.58	0.66	0.32	0.19	0.82	0.12	0.04	6.31	1.76	1.15	0.12	0.04	0.26	3.25	71.50
HH0324	592383	6512817	7.1	7.72	31.20	7.56	0.67	0.34	0.20	0.86	0.13	0.05	6.92	1.93	1.22	0.12	0.05	0.30	3.52	55.05
HH0326	592382	6512718	4.8	5.39	33.29	9.01	0.95	0.51	0.24	1.19	0.17	0.06	8.51	2.31	1.55	0.17	0.07	0.45	4.77	63.24
HH0327	592381	6512601	3.8	3.11	60.19	30.49	2.04	0.88	0.50	3.07	0.35	0.08	25.08	7.71	4.44	0.37	0.11	0.68	9.64	145.63
HH0328	592380	6512498	4	2.39	82.79	33.42	2.33	1.01	0.50	3.54	0.40	0.09	29.28	8.81	5.02	0.44	0.12	0.74	11.61	180.11
HH0329	592377	6512397	3.7	1.905	49.14	21.40	1.53	0.61	0.36	2.29	0.25	0.06	19.13	5.85	3.41	0.29	0.07	0.44	6.65	111.47
HH0330	592377	6512298	3.1	1.595	67.68	29.20														

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0335	592370	6511792	4.6	1.595	133.90	48.79	2.96	1.38	0.65	4.24	0.53	0.12	37.21	11.50	6.27	0.54	0.17	1.02	14.86	264.15
HH0336	592369	6511689	9	2.99	207.60	79.75	5.15	2.34	1.10	7.19	0.91	0.21	63.22	20.48	10.62	0.91	0.30	1.81	25.40	427.01
HH0337	592368	6511595	8.6	2.78	235.24	80.10	5.42	2.49	1.19	7.54	0.96	0.22	65.55	21.39	11.10	0.97	0.32	1.86	27.05	461.39
HH0338	592367	6511489	7.8	2.5	194.09	61.69	4.22	1.97	0.90	5.75	0.73	0.18	49.57	15.34	8.69	0.75	0.25	1.51	20.95	366.60
HH0339	592364	6511383	5.3	1.815	99.62	39.64	2.59	1.17	0.58	3.56	0.46	0.11	30.68	9.51	5.09	0.46	0.15	0.93	13.14	207.70
HH0340	592365	6511280	5.2	2.06	168.91	62.16	4.22	1.88	0.93	5.76	0.73	0.17	49.11	15.40	8.38	0.75	0.24	1.40	20.19	340.23
HH0341	592363	6511181	7	3.56	168.29	65.32	4.22	1.94	0.97	5.99	0.74	0.17	51.09	15.77	8.55	0.76	0.25	1.49	21.40	346.95
HH0342	592362	6511081	7.2	2.93	160.92	67.67	4.14	1.96	0.93	5.92	0.73	0.17	50.97	15.89	8.47	0.75	0.25	1.49	21.52	341.78
HH0343	592360	6510986	9.8	4.54	241.38	103.09	6.59	3.03	1.59	9.35	1.17	0.27	81.76	26.70	13.74	1.18	0.38	2.28	34.29	526.81
HH0344	592359	6510882	4.9	1.69	66.82	26.04	1.57	0.71	0.38	2.21	0.27	0.07	19.13	6.03	3.21	0.28	0.09	0.60	7.67	135.09
HH0345	592358	6510779	2.4	1.075	54.66	24.98	1.31	0.57	0.33	1.93	0.23	0.05	17.15	5.51	2.88	0.24	0.07	0.44	6.37	116.72
HH0346	592357	6510675	1.4	0.612	19.84	10.32	0.47	0.19	0.13	0.74	0.08	0.02	6.72	2.16	1.07	0.09	0.03	0.15	2.43	44.44
HH0347	592356	6510577	2.6	1.085	32.31	16.01	0.85	0.37	0.23	1.29	0.15	0.03	11.20	3.58	1.80	0.16	0.05	0.27	4.38	72.67
HH0348	592356	6510464	1.6	0.777	20.64	10.10	0.55	0.23	0.14	0.84	0.09	0.02	7.38	2.34	1.22	0.10	0.03	0.18	2.70	46.58
HH0349	592355	6510371	2.3	0.88	27.27	11.32	0.63	0.25	0.17	0.98	0.11	0.03	8.74	2.79	1.55	0.12	0.03	0.19	2.73	56.90
HH0351	592354	6510271	3.8	2.04	79.35	40.46	2.18	0.87	0.59	3.43	0.36	0.09	30.09	9.33	5.07	0.42	0.11	0.68	10.48	183.52
HH0352	592352	6510179	4.1	2.65	58.35	22.64	1.26	0.52	0.33	2.03	0.21	0.05	18.66	5.68	3.08	0.25	0.06	0.38	5.82	119.31
HH0353	592349	6510067	6	2.32	63.75	28.73	1.39	0.57	0.38	2.40	0.23	0.05	22.92	6.91	3.83	0.28	0.07	0.41	6.49	138.41
HH0354	592349	6509971	3.7	2.19	61.79	21.99	1.23	0.52	0.34	2.05	0.21	0.05	18.72	5.65	3.25	0.24	0.06	0.42	5.49	122.00
HH0355	592349	6509860	3.4	1.725	36.48	20.17	0.98	0.36	0.25	1.64	0.16	0.03	15.22	4.75	2.52	0.19	0.05	0.26	4.64	87.69
HH0356	592347	6509760	7.5	2.92	65.60	31.43	1.79	0.77	0.46	2.74	0.30	0.07	24.49	7.36	4.15	0.34	0.09	0.59	8.13	148.32
HH0357	592345	6509654	4.7	2.13	120.01	25.80	1.18	0.46	0.30	1.98	0.19	0.04	17.67	5.55	2.89	0.24	0.06	0.34	5.14	181.85
HH0358	592344	6509541	1.8	0.765	15.72	9.16	0.37	0.13	0.11	0.71	0.06	0.01	6.07	1.93	0.97	0.08	0.02	0.10	1.77	37.21
HH0359	592342	6509441	2.2	1.095	64.25	37.65	1.74	0.69	0.53	3.10	0.31	0.06	26.71	8.23	4.21	0.35	0.08	0.47	9.51	157.88
HH0360	592342	6509334	1.1	0.541	17.26	8.96	0.31	0.11	0.07	0.65	0.05	0.01	6.03	1.89	0.90	0.07	0.01	0.06	1.46	37.84
HH0361	590173	6508565	1.6	0.921	30.34	16.01	0.68	0.27	0.20	1.05	0.11	0.03	10.17	3.26	1.58	0.14	0.03	0.19	3.12	67.18
HH0362	590293	6508607	1.3	0.67	20.88	9.34	0.43	0.16	0.13	0.71	0.07	0.02	6.43	1.99	1.06	0.09	0.02	0.13	1.97	43.44
HH0363	590382	6508642	2.7	1.85	31.45	13.37	0.84	0.34	0.23	1.31	0.14	0.03	10.57	3.13	1.88	0.17	0.04	0.27	3.92	67.70
HH0364	590481	6508681	1	0.589	12.78	6.91	0.32	0.11	0.09	0.56	0.05	0.01	4.75	1.45	0.83	0.07	0.01	0.08	1.37	29.38
HH0365	590573	6508715	0.8	0.369	11.31	6.11	0.23	0.07	0.04	0.44	0.03	0.01	4.07	1.26	0.68	0.05	0.01	0.05	0.90	25.27
HH0366	590673	6508746	1.7	0.689	33.66	16.18	0.62	0.20	0.11	1.23	0.09	0.01	11.05	3.40	1.89	0.14	0.02	0.12	2.51	71.24
HH0367	590772	6508776	1.8	0.566	37.59	18.53	0.66	0.21	0.10	1.30	0.10	0.01	12.25	3.85	1.98	0.15	0.02	0.12	2.84	79.71
HH0368	590869	6508805	3.9	0.981	58.47	29.55	0.92	0.29	0.12	1.74	0.13	0.02	18.66	5.82	2.84	0.21	0.03	0.15	3.97	122.93
HH0369	590975	6508838	1.6	0.627	42.99	21.05	0.68	0.22	0.11	1.39	0.10	0.01	14.23	4.39	2.19	0.16	0.02	0.12	2.91	90.56
HH0370	591058	6508862	1.2	0.477	32.43	15.19	0.60	0.18	0.10	1.16	0.09	0.01	11.07	3.31	1.86	0.14	0.02	0.12	2.55	68.83
HH0371	591155	6508890	3.3	0.993	42.87	19.41	0.89	0.29	0.17	1.58	0.14	0.02	14.11	4.31	2.32	0.19	0.03	0.17	3.89	90.38
HH0372	591257	6508922	1.4	0.477	33.04	15.54	0.54	0.16	0.08	1.09	0.08	0.01	10.63	3.30	1.75	0.13	0.02	0.09	2.08	68.54
HH0373	591347	6508949	1.8	0.649	41.03	18.88	0.70	0.21	0.11	1.43	0.10	0.01	12.95	4.00	2.26	0.17	0.02	0.12	2.73	84.72
HH0374	591449	6508984	3.2	1.2	46.68	20.05	0.89	0.28	0.20	1.65	0.13	0.02	14.75	4.48	2.49	0.20	0.03	0.17	3.66	95.71
HH0377	591545	6509013	1.7	0.655	32.31	14.31	0.48	0.14	0.07	1.06	0.07	0.01	9.93	3.04	1.68	0.12	0.01	0.08	1.76	65.09
HH0378	591637	6509042	2.5	0.978	41.77	18.94	0.69	0.22	0.14	1.41	0.10	0.01	13.30	4.10	2.26	0.17	0.02	0.14	2.84	86.11
HH0379	591740	6509072	3.1	1.29	55.03	28.26	0.96	0.34	0.23	1.87	0.15	0.03	17.61	5.41	2.86	0.21	0.03	0.21	4.51	117.73
HH0380	591889	6509119	2.3	0.736	48.03	25.33	0.70	0.21	0.14	1.54	0.10	0.01	15.75	4.93	2.49	0.17	0.02	0.12	2.76	102.30
HH0381	591992	6509148	2.3	0.819	44.71	20.05	0.71	0.23	0.16	1.42	0.10	0.02	14.00	4.33	2.22	0.16	0.02	0.14	2.78	91.05
HH0382	592103	6509183	2.8	1.15	39.31	17.89	0.84	0.29	0.22	1.37	0.13	0.02	13.18	4.05	2.24	0.18	0.03	0.20	3.30	83.23
HH0383	592197	6509211	1	0.524	28.13	13.37	0.40	0.12	0.08	0.85	0.06	0.01	8.97	2.78	1.38	0.10	0.01	0.07	1.52	57.85
HH0384	592293	6509242	0.7	0.35	18.30	9.16	0.28	0.08	0.05	0.58	0.04	0.01	6.19	1.87	0.95	0.07	0.01	0.05	1.05	38.70
HH0385	592391	6509273	1.2	0.608	18.00	9.75	0.38	0.12	0.08	0.70	0.06	0.01	6.54	2.04	1.05	0.08	0.01	0.08	1.57	40.46
HH0386	592497	6509306	1.3	0.546	12.96	7.32	0.32	0.12	0.09	0.59	0.05	0.01	5.10	1.54	0.80	0.07	0.01	0.09	1.59	30.67
HH0387	592599	6509337	0.7	0.379	10.31	5.52	0.21	0.06	0.05	0.39	0.03	0.01	3.62	1.12	0.59	0.05	0.01	0.04	0.87	22.89
HH0388	592691	6509365	1	0.476	12.25	6.71	0.25	0.09	0.07	0.48	0.04	0.01	4.49	1.39	0.72	0.05	0.01	0.06	1.14	27.76
HH0389	592790	6509394	0.9	0.362	10.21	5.51	0.25	0.10	0.07	0.45	0.04	0.01	3.81	1.18	0.63	0.05	0.01	0.07	1.24	23.62
HH0390	592888	6509424	1.7	0.794	34.64	13.66	0.93	0.40	0.25	1.41	0.16	0.04	10.78	3.30	1.94	0.18	0.05	0.30	4.67	72.70
HH0391	592987	6509456	3.4	1.32	52.21	15.77	1.15	0.52	0.33	1.66	0.20	0.05	13.71	4.14	2.49	0.24	0.07	0.45	5.26	98.24
HH0392	593074	6509484	4.4	1.58	66.70	25.10	1.66	0.70	0.45	2.37	0.28	0.07	20.18	6.05	3.57	0.31	0.09	0.60	7.35	135.49
HH0393	593171	6509511	8.9	3.18	111.42	41.99	2.67	1.23	0.72	3.77	0.47	0.13	32.78	9.90	5.66	0.50	0.16	1.00	12.76	225.16
HH0394	593268	6509541	6.8	2.72	102.33	36.71	2.55	1.21	0.65	3.50	0.46	0.13	29.51	8.86	5.16	0.49	0.15	0.94	12.47	205.11
HH0395	593368	6509572	11.7	4.45	161.53	66.73	4.60	2.18	1.13	6.45	0.82	0.22	52.84	15.77	9.21	0.88	0.27	1.74	24.38	348.76
HH0396	593470	6509604	13.9	4.16	191.02	81.04	5.13	2.39	1.27	7.30	0.91									



ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0402	593986	6509761	9.2	3.24	148.64	57.12	4.14	1.90	1.20	5.52	0.70	0.20	50.04	14.14	8.55	0.78	0.23	1.42	19.24	313.81
HH0403	594074	6509784	8.4	2.7	110.92	43.39	3.09	1.49	0.86	4.08	0.55	0.15	36.51	10.11	6.22	0.58	0.18	1.10	16.00	235.24
HH0404	594172	6509817	7.1	2.26	87.58	34.01	2.24	1.04	0.66	3.05	0.39	0.10	27.64	7.90	4.60	0.43	0.12	0.79	10.86	181.43
HH0405	594270	6509809	7.9	2.63	103.55	36.36	2.63	1.21	0.79	3.43	0.45	0.12	31.73	8.89	5.40	0.49	0.15	0.91	12.51	208.62
HH0406	594365	6509785	16.5	5.19	140.04	44.68	3.34	1.58	0.94	4.56	0.59	0.17	36.39	10.98	6.90	0.58	0.20	1.37	15.37	267.69
HH0407	594442	6509729	4.8	1.435	96.55	35.30	2.29	1.02	0.59	3.27	0.40	0.09	27.88	8.76	4.97	0.40	0.13	0.81	10.71	193.17
HH0408	594539	6509651	24.5	5.29	207.60	72.48	5.82	2.82	1.60	7.63	1.04	0.33	55.87	16.67	10.99	0.98	0.37	2.47	31.11	417.79
HH0409	594627	6509585	7.7	2.14	81.20	24.63	2.14	0.93	0.61	2.94	0.36	0.10	22.04	6.58	4.49	0.38	0.12	0.79	8.11	155.44
HH0410	594706	6509522	16.7	5.37	105.03	32.25	3.34	1.61	0.91	4.09	0.59	0.20	27.76	8.06	6.06	0.56	0.22	1.54	13.78	206.01
HH0411	594787	6509462	17.3	4.02	106.99	28.97	3.98	2.00	1.05	4.67	0.71	0.25	29.39	8.19	6.90	0.65	0.28	2.00	13.97	210.01
HH0412	594871	6509400	16.9	3.62	103.19	30.26	3.11	1.44	0.96	4.16	0.52	0.17	29.28	8.60	6.66	0.56	0.19	1.34	11.47	201.89
HH0413	594964	6509364	18.4	6.27	215.58	73.53	5.81	2.74	1.70	8.26	1.03	0.29	64.04	19.33	11.94	1.04	0.35	2.27	30.10	438.02
HH0414	595066	6509348	8.7	2.03	130.82	42.81	4.02	1.99	1.09	5.64	0.74	0.20	39.31	11.30	7.31	0.70	0.25	1.53	23.87	271.56
HH0415	595165	6509336	8.1	2.58	129.60	44.80	3.18	1.48	0.95	4.48	0.56	0.15	36.51	11.20	6.59	0.55	0.19	1.18	16.76	258.19
HH0416	595267	6509347	8.9	2.72	101.71	43.51	2.58	1.19	0.78	3.84	0.47	0.12	32.31	9.97	5.64	0.46	0.15	0.97	13.78	217.48
HH0417	595365	6509372	7.8	2.33	108.96	54.30	3.57	1.68	1.05	5.24	0.64	0.18	41.52	12.81	7.29	0.63	0.21	1.30	18.48	257.87
HH0418	595468	6509397	10.5	3.68	143.72	65.91	4.09	1.89	1.25	6.11	0.73	0.19	50.51	15.46	8.80	0.73	0.23	1.53	21.33	322.48
HH0419	595563	6509420	8.4	3.19	131.44	59.93	3.49	1.64	1.08	5.34	0.63	0.17	45.61	13.83	8.11	0.64	0.21	1.30	19.05	292.47
HH0420	595662	6509446	8.7	3.16	131.44	55.59	3.44	1.61	1.02	5.12	0.60	0.16	42.46	12.75	7.51	0.62	0.20	1.26	18.22	282.01
HH0421	595761	6509472	6.4	2.34	111.78	51.72	3.05	1.44	0.92	4.56	0.56	0.14	38.96	11.73	6.75	0.54	0.18	1.14	16.57	250.05
HH0422	595866	6509496	8.7	3.03	117.80	48.20	2.93	1.39	0.93	4.38	0.52	0.14	37.09	11.22	6.64	0.53	0.18	1.10	16.25	249.32
HH0423	595964	6509521	11.9	3.64	162.76	58.41	3.83	1.86	1.24	5.79	0.69	0.19	47.94	14.32	8.74	0.69	0.23	1.50	20.57	328.76
HH0424	596061	6509546	12	3.47	152.32	56.65	3.91	1.84	1.21	5.86	0.70	0.19	45.84	13.71	8.42	0.70	0.23	1.47	20.00	313.05
HH0426	596152	6509569	13.2	3.56	195.93	74.82	4.65	2.22	1.37	7.09	0.81	0.22	58.20	17.46	10.33	0.82	0.27	1.71	24.70	400.60
HH0427	596257	6509593	9.2	2.53	234.01	82.92	4.94	2.25	1.52	7.63	0.86	0.21	66.95	20.12	11.77	0.91	0.27	1.70	25.02	461.06
HH0428	596356	6509618	19.8	4.77	240.15	106.02	6.30	3.03	1.81	9.65	1.16	0.29	80.02	25.73	13.80	1.12	0.38	2.37	36.32	528.14
HH0429	596450	6509641	13.4	3.27	184.26	82.21	5.05	2.45	1.39	7.62	0.91	0.24	63.10	18.79	11.06	0.90	0.29	1.84	28.19	408.31
HH0430	596547	6509664	14.3	3.7	192.86	74.00	4.96	2.37	1.40	7.30	0.90	0.24	59.25	17.88	10.42	0.90	0.30	1.84	26.79	401.40
HH0431	596649	6509691	12.7	4.5	149.25	60.16	3.97	1.85	1.07	5.96	0.71	0.18	47.71	14.14	8.33	0.71	0.23	1.44	21.65	317.35
HH0432	596757	6509718	12	3.83	135.74	59.70	3.76	1.79	0.98	5.62	0.67	0.17	44.91	13.41	7.76	0.67	0.21	1.35	20.57	297.32
HH0433	596856	6509741	6.7	3.01	61.17	21.99	1.68	0.76	0.56	2.20	0.30	0.10	20.59	5.86	3.59	0.33	0.10	0.59	8.08	127.90
HH0434	596950	6509765	4.5	2.25	45.82	21.87	1.38	0.62	0.47	1.86	0.25	0.07	18.02	5.22	2.91	0.27	0.08	0.44	6.86	106.13
HH0435	597202	6509831	2.9	1.58	54.91	15.42	1.10	0.51	0.33	1.50	0.20	0.05	12.83	3.75	2.16	0.22	0.07	0.35	5.74	99.16
HH0436	597316	6509861	3	1.4	34.40	15.31	0.98	0.44	0.31	1.35	0.18	0.05	12.01	3.53	1.98	0.19	0.06	0.32	5.24	76.35
HH0437	597413	6509884	4.4	2.18	41.64	15.66	1.31	0.61	0.43	1.67	0.24	0.07	14.75	4.07	2.56	0.25	0.08	0.45	6.87	90.65
HH0438	597512	6509908	4.7	1.96	25.18	8.54	0.89	0.42	0.29	1.17	0.16	0.05	9.16	2.50	1.66	0.17	0.06	0.33	4.52	55.10
HH0439	597612	6509931	3.9	1.555	21.37	7.46	0.81	0.42	0.23	1.03	0.16	0.05	7.69	2.09	1.44	0.15	0.05	0.31	4.66	47.93
HH0440	597708	6509956	3.4	1.695	27.52	9.63	1.04	0.58	0.29	1.31	0.21	0.07	9.77	2.65	1.77	0.19	0.08	0.45	6.22	61.79
HH0441	597812	6509980	4.1	1.715	36.36	14.72	1.31	0.65	0.38	1.72	0.25	0.08	14.11	3.79	2.48	0.25	0.09	0.49	7.85	84.54
HH0442	597908	6510006	5	2.28	63.75	21.64	1.76	0.78	0.50	2.37	0.32	0.09	20.88	5.73	3.70	0.34	0.11	0.61	8.38	130.96
HH0443	598007	6510029	4	1.815	45.45	17.01	1.21	0.55	0.38	1.68	0.22	0.06	15.34	4.29	2.62	0.25	0.07	0.41	6.30	95.82
HH0444	598100	6510053	4	1.765	42.87	14.89	1.12	0.52	0.35	1.55	0.20	0.06	13.82	3.81	2.39	0.22	0.07	0.40	5.56	87.83
HH0445	595712	6509433	9.9	3.39	137.58	53.95	3.49	1.62	1.12	4.93	0.64	0.18	47.36	13.83	7.76	0.68	0.21	1.18	18.22	292.76
HH0446	595706	6509317	13.1	4.24	149.25	55.12	3.26	1.53	1.07	4.47	0.60	0.18	45.96	13.17	7.28	0.63	0.20	1.16	17.40	301.28
HH0447	595688	6509215	16.9	4.92	197.77	77.05	4.65	2.20	1.57	6.62	0.86	0.27	64.50	18.97	10.39	0.92	0.29	1.70	25.65	413.42
HH0448	595705	6509121	15	4.89	240.15	92.18	6.30	2.95	2.08	8.81	1.15	0.35	84.21	24.28	13.86	1.24	0.39	2.23	34.41	514.61
HH0449	595701	6509002	12.1	4.04	175.05	80.57	4.57	2.21	1.57	6.70	0.86	0.26	66.13	19.33	10.53	0.91	0.29	1.59	27.43	398.00
HH0451	595702	6508872	16.9	4.99	226.03	90.42	5.66	2.66	1.92	8.02	1.04	0.30	80.02	23.02	12.76	1.11	0.34	1.95	30.35	485.60
HH0452	595698	6508752	14.1	3.99	211.28	84.68	5.07	2.36	1.68	7.32	0.93	0.29	70.92	20.78	11.33	1.02	0.31	1.76	27.30	447.03
HH0453	595699	6508644	13.4	3.23	245.07	131.94	6.61	3.09	2.32	10.06	1.20	0.34	105.21	30.21	16.12	1.32	0.39	2.15	39.37	595.38
HH0454	595698	6508541	14.4	4.41	183.65	77.40	4.58	2.16	1.51	6.51	0.84	0.24	64.04	18.73	10.29	0.91	0.28	1.62	25.78	398.53
HH0455	595696	6508417	8.1	2.67	132.05	56.76	3.49	1.58	1.15	5.04	0.64	0.17	47.59	13.53	7.76	0.70	0.20	1.12	18.67	290.45
HH0456	595695	6508310	3.5	1.525	36.85	17.47	0.98	0.44	0.35	1.45	0.18	0.05	13.94	4.01	2.30	0.20	0.05	0.31	4.95	83.53
HH0457	595695	6508211	5.2	2.29	32.55	14.95	1.17	0.53	0.39	1.61	0.21	0.06	14.58	4.08	2.54	0.23	0.07	0.41	5.51	78.92
HH0458	595696	6508126	5.5	2.07	50.00	21.11	1.21	0.55	0.36	1.69	0.22	0.07	17.90	5.16	2.84	0.24	0.08	0.42	5.96	107.80
HH0459	595693	6508019	5.9	2.22	45.45	23.22	1.38	0.66	0.45	1.92	0.25	0.08	19.71	5.49	3.06	0.27	0.09	0.53	7.53	110.09
HH0460	595694	6507914	4.9	2.45	61.91	26.39	1.54	0.74	0.52	2.21	0.28	0.10	22.22	6.45	3.58	0.31	0.10	0.61	7.89	134.86
HH0461	595692	6507819	4.7	1.935	58.10	20.58	1.04	0.48	0.37	1.49	0.19	0.06	15.75	4.72	2.45	0.21	0.06	0.37	5.31	111.19</

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0467	595374	6507521	9	2.91	95.20	36.83	2.11	1.00	0.69	2.97	0.38	0.13	30.21	8.77	4.80	0.41	0.13	0.76	11.31	195.71
HH0468	595285	6507495	10.9	3.58	133.28	48.79	3.05	1.42	1.01	4.31	0.56	0.18	42.92	12.38	6.91	0.60	0.19	1.09	16.13	272.82
HH0469	595289	6507400	13.8	4.14	112.15	41.99	2.85	1.38	0.93	4.16	0.54	0.17	35.81	10.39	6.16	0.56	0.18	1.19	15.24	233.69
HH0470	595287	6507293	16.4	4.79	157.85	56.18	4.03	1.95	1.34	5.64	0.75	0.25	48.99	14.50	8.64	0.79	0.25	1.71	21.02	323.88
HH0471	595286	6507194	13.2	5.97	203.91	73.18	5.73	2.80	1.85	7.93	1.06	0.35	68.12	19.33	11.49	1.10	0.36	2.39	29.97	429.58
HH0472	595284	6507096	13.8	5.2	138.81	49.02	4.02	1.95	1.30	5.42	0.75	0.25	44.91	12.69	8.11	0.76	0.25	1.73	20.83	290.79
HH0473	583982	6505402	2.1	0.839	27.15	10.11	0.55	0.26	0.16	0.82	0.10	0.03	7.50	2.28	1.28	0.11	0.03	0.20	2.72	53.30
HH0474	583906	6505606	6.1	3.46	105.27	34.25	2.52	1.17	0.66	3.35	0.45	0.13	29.39	8.57	5.23	0.48	0.15	0.99	12.23	204.86
HH0477	583828	6505805	8.4	4.35	117.31	38.23	3.12	1.50	0.81	4.16	0.59	0.18	34.29	9.93	6.26	0.60	0.20	1.28	15.81	234.30
HH0478	583742	6506029	10	5.51	155.39	39.52	3.37	1.64	0.87	4.32	0.63	0.20	36.51	10.69	6.66	0.65	0.21	1.46	16.32	278.44
HH0479	583669	6506213	7.4	3.9	113.87	33.07	2.67	1.29	0.70	3.56	0.50	0.16	30.09	8.69	5.44	0.52	0.17	1.14	12.89	214.77
HH0480	583598	6506398	6.3	3.31	95.32	28.38	2.27	1.07	0.61	2.97	0.41	0.13	25.31	7.32	4.51	0.43	0.14	0.95	10.74	180.57
HH0481	590142	6508545	3.1	1.485	36.48	17.01	0.83	0.37	0.23	1.23	0.15	0.04	11.58	3.48	1.94	0.17	0.04	0.28	3.99	77.82
HH0482	589931	6508485	5	3.58	74.07	30.02	1.44	0.68	0.47	2.30	0.27	0.08	22.34	6.66	3.53	0.30	0.09	0.58	7.72	150.55
HH0483	589725	6508423	3.9	3.36	69.90	28.62	1.72	0.78	0.54	2.72	0.31	0.09	23.56	6.81	4.26	0.35	0.10	0.70	8.70	149.16
HH0484	589530	6508364	4.4	3.34	81.20	30.84	2.07	0.94	0.63	3.32	0.37	0.11	27.88	7.95	5.04	0.42	0.12	0.83	9.87	171.59
HH0485	589330	6508303	3.4	2.63	62.53	24.75	1.64	0.77	0.47	2.35	0.29	0.09	20.06	5.91	3.50	0.32	0.10	0.64	8.23	131.63
HH0486	589136	6508246	5.7	4.19	71.98	25.57	2.50	1.25	0.53	3.10	0.47	0.14	21.70	6.21	4.26	0.47	0.17	1.08	13.14	152.57
HH0487	588950	6508188	3.6	2.58	37.83	12.02	1.25	0.67	0.25	1.50	0.24	0.07	10.47	2.97	2.06	0.23	0.09	0.57	7.06	77.30
HH0488	588768	6508132	6.2	3.41	38.45	14.72	1.26	0.67	0.30	1.55	0.24	0.09	11.84	3.36	2.21	0.23	0.09	0.63	7.31	82.95
HH0489	588565	6508071	2.9	2.36	45.45	17.59	0.92	0.45	0.29	1.34	0.17	0.06	12.13	3.60	1.99	0.18	0.06	0.44	4.76	89.45
HH0490	588384	6508014	2.2	3.46	76.28	32.96	1.35	0.50	0.38	1.88	0.22	0.04	18.43	6.15	2.96	0.27	0.06	0.37	4.85	146.72
HH0491	588179	6507947	3.2	2.14	104.41	58.87	3.86	1.45	0.84	6.14	0.66	0.12	50.51	14.98	8.52	0.81	0.16	0.95	17.33	269.62
HH0492	588001	6507878	4.1	1.53	38.94	20.29	0.70	0.25	0.19	1.23	0.11	0.03	11.36	3.60	1.87	0.15	0.03	0.18	3.25	82.19
HH0493	587806	6507807	1.8	0.733	15.05	6.86	0.25	0.11	0.09	0.46	0.04	0.01	4.51	1.36	0.73	0.05	0.01	0.09	1.26	30.90
HH0494	587606	6507749	2.1	2.33	55.65	28.62	0.97	0.43	0.35	1.42	0.18	0.05	14.17	4.64	2.13	0.19	0.06	0.33	5.18	114.36
HH0495	587429	6507694	1.9	2.68	38.08	12.43	0.54	0.27	0.21	0.74	0.10	0.03	8.12	2.62	1.22	0.11	0.04	0.24	2.55	67.31
HH0496	587231	6507635	1.9	1.565	29.48	9.76	0.69	0.33	0.23	0.97	0.13	0.04	8.11	2.32	1.36	0.13	0.04	0.30	3.34	57.22
HH0497	587035	6507578	1.3	0.899	8.76	2.94	0.21	0.10	0.06	0.30	0.04	0.01	2.37	0.67	0.43	0.04	0.01	0.09	0.96	16.98
HH0498	586833	6507518	2.5	2.07	23.09	6.79	0.54	0.23	0.18	0.79	0.10	0.03	6.32	1.80	1.21	0.11	0.03	0.22	2.43	43.87
HH0499	586640	6507461	3.5	2.67	38.20	14.31	0.83	0.33	0.23	1.30	0.14	0.04	11.23	3.25	1.98	0.17	0.04	0.28	3.53	75.87
HH0501	586455	6507406	2.8	2.43	36.36	12.84	0.88	0.36	0.24	1.29	0.15	0.04	10.77	3.09	1.95	0.18	0.05	0.30	3.67	72.16
HH0502	586260	6507347	2.6	2.14	26.16	9.23	0.67	0.29	0.20	0.95	0.12	0.04	8.05	2.27	1.46	0.14	0.04	0.24	2.91	52.75
HH0503	586074	6507292	3.4	2.81	27.02	9.37	0.67	0.30	0.19	0.95	0.12	0.04	8.21	2.31	1.43	0.13	0.04	0.27	2.83	53.89
HH0504	585883	6507234	4.6	4.67	33.29	10.52	1.01	0.49	0.29	1.34	0.19	0.07	10.26	2.91	2.01	0.19	0.07	0.46	4.13	67.22
HH0505	585675	6507173	2.7	3.06	30.71	10.25	0.83	0.41	0.24	1.05	0.15	0.05	9.13	2.53	1.59	0.16	0.05	0.34	3.95	61.42
HH0506	585485	6507119	2.9	4.2	26.66	9.07	0.80	0.39	0.25	1.07	0.14	0.05	9.14	2.40	1.68	0.16	0.05	0.37	3.50	55.72
HH0507	585290	6507059	2.7	2.43	20.08	6.60	0.69	0.32	0.20	0.87	0.11	0.04	6.59	1.79	1.26	0.12	0.04	0.28	2.84	41.84
HH0508	585106	6507006	3.5	2.95	37.22	10.87	1.11	0.55	0.34	1.38	0.19	0.06	11.02	3.00	1.97	0.20	0.07	0.45	5.07	73.49
HH0509	584903	6506946	3.6	3.29	47.17	14.95	1.46	0.71	0.44	1.95	0.25	0.08	14.70	3.88	2.61	0.27	0.09	0.58	6.79	95.94
HH0510	584718	6506891	3.1	2.48	37.10	12.26	1.07	0.49	0.34	1.41	0.19	0.06	11.35	3.13	2.06	0.19	0.06	0.40	5.14	75.26
HH0511	584517	6506829	3.5	2.57	37.47	11.96	1.19	0.55	0.38	1.54	0.21	0.06	12.01	3.23	2.19	0.22	0.07	0.44	5.26	76.78
HH0512	584325	6506772	3.1	2.74	48.40	17.53	1.48	0.68	0.47	1.94	0.25	0.08	16.10	4.37	2.78	0.27	0.08	0.54	6.63	101.61
HH0513	584137	6506715	3.8	3.6	56.14	17.01	1.39	0.63	0.44	1.78	0.24	0.07	15.28	4.34	2.63	0.25	0.08	0.53	6.04	106.84
HH0514	583951	6506659	4.6	3.67	77.88	24.28	1.80	0.86	0.60	2.48	0.30	0.09	21.70	6.15	3.68	0.33	0.11	0.70	8.08	149.03
HH0515	583748	6506598	6.7	5.68	117.80	40.11	2.95	1.41	1.00	3.93	0.51	0.15	34.99	9.88	6.05	0.55	0.17	1.10	13.21	233.81
HH0516	583567	6506546	6.6	3	79.35	22.81	1.94	0.93	0.51	2.47	0.34	0.10	21.11	5.93	3.75	0.36	0.12	0.73	9.00	149.45
HH0517	583361	6506483	3.3	1.84	58.10	19.12	1.48	0.68	0.37	1.90	0.25	0.07	16.27	4.68	2.77	0.26	0.08	0.54	6.91	113.48
HH0518	583168	6506424	3.9	1.875	57.98	18.47	1.30	0.61	0.33	1.69	0.22	0.06	15.10	4.43	2.60	0.24	0.07	0.47	6.11	109.70
HH0519	582971	6506366	3.4	1.53	52.70	17.89	1.25	0.59	0.31	1.68	0.22	0.05	14.75	4.22	2.53	0.24	0.07	0.43	5.80	102.71
HH0520	582777	6506309	3.6	1.605	66.09	23.93	1.64	0.76	0.40	2.22	0.28	0.07	19.30	5.53	3.21	0.31	0.09	0.56	7.80	132.20
HH0521	582593	6506255	5.2	2.67	87.83	34.60	2.35	1.11	0.71	3.34	0.41	0.12	29.28	8.28	4.92	0.45	0.13	0.83	11.66	186.01
HH0522	582401	6506198	4.2	2.88	66.21	21.52	1.50	0.67	0.45	2.09	0.26	0.07	18.31	5.18	3.00	0.28	0.09	0.54	7.37	127.55
HH0523	582208	6506141	5.3	3.02	74.20	24.04	1.61	0.76	0.49	2.44	0.28	0.09	21.58	6.10	3.61	0.31	0.09	0.61	8.22	144.42
HH0524	582011	6506082	4.3	1.76	39.19	14.31	0.95	0.47	0.30	1.30	0.17	0.05	11.57	3.30	1.84	0.18	0.06	0.36	4.65	78.69
HH0526	581818	6506024	2.3	1.18	37.83	14.13	1.04	0.48	0.30	1.36	0.18	0.04	10.84	3.09	1.90	0.20	0.06	0.34	5.05	76.85
HH0527	581634	6505968	3.6	2.07	100.48	40.34	3.45	1.52	0.76	4.32	0.59	0.14	33.48	9.40	6.08	0.63	0.18	1.09	15.81	218.28
HH0528	581446	6505910	6.9	4.07	232.17	100.98	5.98	2.56	1.33	8.55	0.99	0.22	81.06	24.41	12.76	1.16	0.30	1.78	27.94	502.19
HH0529	581243	6505848	2.1	0.911	39.80	15.60	1.18	0.54	0.27	1.57	0.19	0								

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0534	580357	6505356	3.7	1.645	106.63	59.23	2.98	1.32	0.71	4.54	0.52	0.13	41.64	12.08	6.70	0.54	0.17	0.96	15.43	253.57
HH0535	580169	6505402	3.9	2.83	321.84	148.36	8.81	3.70	1.88	12.79	1.47	0.33	131.80	38.30	20.47	1.62	0.44	2.60	43.56	737.99
HH0536	579957	6505415	5.8	2.56	230.94	103.44	5.50	2.47	1.12	7.87	0.97	0.23	70.45	20.90	11.09	1.01	0.30	1.78	29.08	487.15
HH0537	579760	6505436	7.3	2.72	137.58	73.53	4.45	2.00	1.03	6.43	0.78	0.17	55.52	16.07	8.92	0.81	0.23	1.36	22.99	331.87
HH0538	579589	6505521	3.2	1.3	106.87	55.71	3.21	1.34	0.70	4.69	0.50	0.10	44.09	12.44	7.05	0.60	0.15	0.85	15.49	253.79
HH0539	579392	6505600	6.9	2.47	130.21	72.48	4.44	1.89	0.79	5.90	0.70	0.15	51.44	14.62	8.50	0.78	0.21	1.26	23.24	316.62
HH0540	579198	6505617	3.4	1.39	37.34	16.89	1.17	0.51	0.23	1.53	0.18	0.05	12.77	3.62	2.26	0.21	0.06	0.39	5.69	82.92
HH0541	579003	6505589	4	2.1	76.16	34.95	2.58	1.16	0.56	3.50	0.43	0.10	29.04	8.01	5.04	0.46	0.14	0.84	12.69	175.67
HH0542	578808	6505545	3.8	2.9	83.29	38.70	2.10	0.92	0.48	2.85	0.34	0.09	27.18	7.85	4.24	0.38	0.11	0.66	10.51	179.69
HH0543	578601	6505514	3.9	1.84	121.12	55.24	3.12	1.42	0.78	4.43	0.52	0.13	41.17	11.65	6.59	0.59	0.17	0.99	16.00	263.91
HH0544	578405	6505484	5.2	2.55	150.48	76.00	3.80	1.52	0.94	5.37	0.60	0.12	52.37	15.16	8.09	0.70	0.17	1.01	19.05	335.38
HH0545	578203	6505453	6.4	2.78	67.81	27.91	2.34	1.15	0.47	2.90	0.39	0.11	24.38	6.65	4.30	0.40	0.15	0.92	12.01	151.88
HH0546	577994	6505412	5	1.76	30.71	14.07	0.92	0.41	0.25	1.27	0.16	0.04	11.34	3.23	1.95	0.17	0.05	0.30	4.39	69.26
HH0547	577810	6505353	3.9	1.8	51.59	20.99	1.39	0.62	0.35	1.88	0.23	0.05	16.68	4.70	2.85	0.26	0.08	0.45	7.00	109.13
HH0548	577625	6505293	3.3	1.485	51.10	20.05	1.37	0.62	0.33	1.84	0.22	0.05	16.33	4.59	2.76	0.25	0.07	0.44	6.39	106.41
HH0549	577421	6505230	3	1.645	49.26	18.30	1.25	0.56	0.30	1.63	0.20	0.05	14.70	4.25	2.46	0.23	0.07	0.39	5.66	99.29
HH0550	577245	6505175	2.4	1.165	53.19	22.05	1.49	0.65	0.39	2.01	0.24	0.06	17.73	5.12	3.03	0.27	0.08	0.47	6.90	113.67
HH0551	577046	6505113	5.3	2.64	103.68	45.86	3.31	1.42	0.76	4.35	0.52	0.12	36.51	10.27	6.35	0.60	0.16	0.97	15.68	230.56
HH0552	576849	6505050	8.3	4.3	186.72	72.24	6.14	2.52	1.10	7.96	0.99	0.20	62.87	17.40	11.51	1.10	0.29	1.67	27.30	400.01
HH0553	576659	6504986	11.1	5.75	228.48	88.43	7.69	3.34	1.42	9.61	1.26	0.27	78.03	21.69	14.09	1.35	0.40	2.27	37.21	495.54
HH0554	576470	6504929	5.2	4.1	56.38	20.29	1.63	0.70	0.36	2.16	0.26	0.06	18.37	5.10	3.32	0.29	0.08	0.46	7.10	116.55
HH0555	576271	6504864	8.1	5.63	156.62	59.23	4.87	2.21	0.98	6.13	0.80	0.19	49.11	13.59	8.71	0.85	0.27	1.60	23.87	329.02
HH0556	576086	6504799	3.3	1.56	96.31	33.07	2.54	1.18	0.51	3.09	0.42	0.11	27.99	7.89	4.89	0.44	0.15	0.91	11.98	191.47
HH0557	575891	6504727	2.9	1.39	79.85	27.56	1.89	0.79	0.44	2.39	0.30	0.07	21.87	6.40	3.83	0.34	0.10	0.63	8.56	155.00
HH0558	575707	6504667	5.7	2.65	178.12	68.14	4.98	2.18	1.05	6.33	0.81	0.20	56.92	16.01	9.75	0.87	0.28	1.70	23.11	370.46
HH0559	575507	6504603	6	3.41	221.11	67.08	5.51	2.45	1.23	7.09	0.91	0.24	61.35	17.34	11.06	0.99	0.32	1.98	24.57	423.23
HH0561	575314	6504543	7.3	3.54	215.58	65.79	5.00	2.31	1.19	6.44	0.83	0.23	58.90	16.55	10.15	0.88	0.29	1.85	23.11	409.12
HH0562	575121	6504482	4.1	2.03	119.03	38.47	2.71	1.20	0.63	3.49	0.45	0.11	31.61	9.06	5.50	0.49	0.15	0.92	12.01	225.83
HH0563	574942	6504422	4.7	2.42	125.30	45.27	2.96	1.34	0.69	3.84	0.49	0.13	35.46	10.28	5.94	0.52	0.17	1.06	13.65	247.10
HH0564	574744	6504356	4.1	2.21	127.75	47.38	2.94	1.30	0.67	3.86	0.48	0.12	36.28	10.45	5.95	0.52	0.16	0.96	13.78	252.62
HH0565	574560	6504297	2.7	1.5	89.80	37.76	2.28	1.02	0.50	2.92	0.38	0.09	26.71	7.89	4.53	0.40	0.13	0.76	10.60	185.78
HH0566	574352	6504256	2.6	1.14	88.94	41.87	2.90	1.32	0.56	3.75	0.48	0.12	33.59	9.53	5.60	0.52	0.16	0.95	14.54	204.84
HH0567	574165	6504193	3.5	1.77	88.32	45.04	2.54	1.05	0.58	3.54	0.40	0.08	32.54	9.25	5.30	0.47	0.12	0.69	12.60	202.53
HH0568	573967	6504133	2.6	1.1	58.47	25.68	1.93	0.82	0.35	2.48	0.30	0.07	20.47	5.86	3.46	0.34	0.10	0.59	9.49	130.41
HH0569	573777	6504064	2.2	0.977	45.94	18.00	1.35	0.62	0.24	1.63	0.23	0.06	12.95	3.79	2.27	0.24	0.08	0.47	6.57	94.44
HH0570	573591	6504011	4.1	1.76	124.07	65.21	3.60	1.62	0.59	4.83	0.58	0.13	45.61	13.11	7.46	0.64	0.19	1.09	18.54	287.26
HH0571	573391	6503970	5	2.02	123.45	70.95	3.91	1.77	0.58	5.21	0.65	0.14	48.17	13.95	7.65	0.70	0.21	1.13	21.02	299.51
HH0572	573191	6503941	4.3	2.74	219.27	99.34	4.54	2.04	0.81	6.74	0.75	0.17	70.80	20.24	10.48	0.85	0.24	1.47	23.62	461.36
HH0573	572993	6503925	7.4	3.53	251.82	83.15	3.36	1.47	0.58	4.88	0.54	0.13	53.19	15.65	7.92	0.62	0.17	1.08	15.87	440.43
HH0574	572788	6503936	7.1	3.13	272.70	127.25	6.36	2.65	0.92	9.19	1.03	0.20	85.26	26.22	12.64	1.21	0.30	1.64	30.86	578.43
HH0577	572594	6503970	2.4	1.08	35.26	14.95	0.74	0.31	0.18	1.13	0.13	0.03	10.36	3.19	1.59	0.15	0.04	0.27	3.59	71.92
HH0578	572388	6504004	2.6	1.645	20.94	4.43	0.29	0.13	0.09	0.42	0.05	0.02	3.15	0.95	0.55	0.05	0.02	0.11	1.38	32.60
HH0579	572194	6504042	1.3	0.605	11.12	5.09	0.28	0.12	0.09	0.44	0.04	0.01	3.52	1.09	0.58	0.05	0.01	0.08	1.23	23.77
HH0580	571942	6504069	1.8	1.095	11.61	3.37	0.19	0.09	0.07	0.30	0.03	0.01	2.37	0.68	0.41	0.04	0.01	0.08	0.96	20.22
HH0581	571759	6504016	1.8	0.771	11.39	5.97	0.28	0.11	0.09	0.41	0.04	0.01	3.44	1.08	0.55	0.05	0.01	0.08	1.31	24.84
HH0582	571564	6503962	3.3	1.515	48.28	23.93	0.90	0.42	0.27	1.35	0.15	0.04	13.71	4.29	1.98	0.17	0.05	0.29	4.72	100.55
HH0583	571369	6503921	3.1	1.7	94.22	58.87	2.92	1.28	0.49	4.31	0.47	0.11	38.61	11.76	5.77	0.54	0.14	0.81	14.22	234.52
HH0584	571169	6503906	3.8	2.06	183.03	135.46	4.81	2.08	1.00	7.92	0.81	0.16	80.02	24.65	10.69	0.93	0.23	1.29	27.81	480.88
HH0585	570966	6503887	5.2	2.61	125.91	65.44	2.98	1.34	0.53	4.51	0.49	0.12	43.27	13.11	6.40	0.57	0.15	0.88	15.30	281.03
HH0586	570759	6503868	3	1.415	28.13	11.72	0.73	0.32	0.15	1.03	0.12	0.03	8.98	2.65	1.49	0.14	0.04	0.24	3.29	59.06
HH0587	570559	6503833	2.4	1.15	34.89	21.46	0.85	0.34	0.20	1.39	0.13	0.03	13.71	4.08	2.08	0.17	0.04	0.22	4.20	83.80
HH0588	570369	6503795	1.2	0.645	22.60	11.33	0.54	0.19	0.09	0.91	0.08	0.01	7.74	2.33	1.26	0.11	0.02	0.11	2.33	49.68
HH0589	570175	6503736	2.4	0.891	40.41	18.24	0.78	0.24	0.11	1.42	0.10	0.01	12.01	3.69	2.06	0.17	0.03	0.13	3.17	82.58
HH0590	569980	6503670	1.5	0.753	14.62	7.26	0.28	0.12	0.09	0.45	0.04	0.01	3.94	1.26	0.66	0.05	0.02	0.09	1.40	30.31
HH0591	569816	6503589	3.8	1.66	55.03	19.00	1.09	0.53	0.26	1.50	0.19	0.06	13.36	3.99	2.15	0.20	0.07	0.44	5.46	103.32
HH0592	569616	6503507	6	3.49	82.67	23.93	1.21	0.48	0.21	1.97	0.19	0.04	16.80	5.06	2.77	0.25	0.05	0.32	5.47	141.42
HH0593	569434	6503419	3.1	1.3	35.99	17.53	0.89	0.34	0.17	1.49	0.14	0.02	12.07	3.66	1.97	0.19	0.04	0.19	4.00	78.69
HH0594	569287	6503257	2.5	1.54	62.65	29.67	1.58	0.63	0.33	2.35	0.25	0.05	20.94	6.39	3.35	0.31	0.08	0.42	6.96	135.95
HH0595	569091	6503334	3.3	1.685																



ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0601	568124	6503012	3.3	1.705	72.72	26.15	1.62	0.72	0.44	2.40	0.26	0.07	20.18	6.15	3.48	0.32	0.08	0.50	6.82	141.91
HH0602	567934	6502944	1.3	0.715	21.37	10.56	0.53	0.24	0.14	0.82	0.08	0.02	7.24	2.21	1.11	0.10	0.03	0.17	2.48	47.10
HH0603	567772	6502868	1.3	0.567	22.30	10.38	0.45	0.18	0.11	0.75	0.07	0.02	7.21	2.19	1.11	0.09	0.02	0.12	1.92	46.91
HH0604	576377	6503582	7.9	3.7	212.51	76.00	5.93	2.84	1.28	7.94	1.01	0.26	64.15	18.85	10.77	1.08	0.33	2.03	28.45	433.44
HH0605	576352	6503813	6.3	2.91	167.68	50.31	4.25	2.03	0.93	5.74	0.73	0.20	45.26	13.17	7.82	0.79	0.25	1.49	19.81	320.44
HH0606	576329	6503997	7.9	3.39	134.51	40.46	3.31	1.55	0.73	4.41	0.56	0.16	35.23	10.12	6.05	0.61	0.19	1.20	15.30	254.39
HH0607	576304	6504205	9.9	4.29	169.52	48.20	4.25	1.99	0.91	5.67	0.71	0.20	44.21	12.69	7.73	0.78	0.25	1.46	19.18	317.74
HH0608	576278	6504415	5.2	2.38	140.65	44.92	3.65	1.65	0.83	4.96	0.61	0.16	40.47	11.85	7.06	0.68	0.20	1.17	15.87	274.73
HH0609	576259	6504602	4	2.01	121.61	38.23	3.32	1.50	0.72	4.37	0.55	0.14	34.53	10.11	6.11	0.59	0.18	1.10	14.29	237.34
HH0610	576248	6504834	11.2	6.79	256.74	108.48	9.04	4.33	1.92	11.58	1.63	0.40	96.69	28.27	15.54	1.71	0.53	2.78	48.00	587.65
HH0611	576348	6504958	5.9	3.57	206.99	91.13	7.32	3.46	1.42	9.43	1.33	0.31	77.33	22.17	12.47	1.42	0.42	2.16	37.21	474.58
HH0612	576349	6505173	4.5	3.71	210.06	83.62	8.98	4.22	1.35	10.71	1.62	0.35	79.55	21.75	13.68	1.68	0.50	2.55	46.48	487.09
HH0613	576350	6505367	7.9	4.29	159.69	64.86	5.57	2.49	1.00	7.02	0.96	0.22	56.57	16.07	9.29	1.06	0.29	1.55	24.57	351.20
HH0614	576351	6505577	3.5	1.66	134.51	74.94	6.01	2.68	0.84	6.92	1.06	0.21	53.89	15.65	8.71	1.10	0.31	1.61	30.73	339.17
HH0615	576325	6505774	16.9	5.48	216.20	116.81	9.43	4.96	1.39	11.41	1.79	0.45	92.85	27.43	14.38	1.75	0.62	3.19	54.86	557.52
HH0616	576292	6505955	3.3	1.165	52.08	25.80	1.85	0.85	0.32	2.35	0.33	0.08	19.71	5.68	3.04	0.36	0.10	0.52	9.78	122.84
HH0617	576356	6506145	4.8	2.49	203.91	90.66	10.35	4.94	1.35	12.28	1.86	0.42	84.21	23.56	14.84	1.92	0.57	2.96	50.80	504.63
HH0618	576358	6506359	6.8	4.42	163.38	80.34	7.60	3.66	1.34	9.43	1.39	0.32	69.40	19.33	11.58	1.43	0.43	2.23	41.65	413.50
HH0619	576361	6506560	1.3	0.701	37.71	14.48	1.34	0.60	0.28	1.72	0.23	0.06	12.66	3.64	2.09	0.26	0.07	0.40	6.40	81.93
HH0620	576364	6506764	1.2	0.46	8.91	3.86	0.26	0.12	0.09	0.37	0.04	0.01	2.93	0.84	0.45	0.05	0.01	0.09	1.31	19.34
HH0621	576366	6506956	2.6	1.275	38.69	19.47	1.03	0.45	0.29	1.45	0.17	0.04	14.11	4.13	2.01	0.21	0.05	0.28	5.27	87.66
HH0622	576334	6507160	3.1	1.805	107.49	87.73	6.31	3.04	1.18	8.39	1.16	0.26	68.93	19.27	10.66	1.21	0.36	1.82	36.07	353.86
HH0623	576268	6507347	3.5	2.6	100.97	62.04	2.94	1.26	0.69	4.38	0.52	0.10	41.41	12.38	5.79	0.60	0.15	0.72	15.81	249.76
HH0624	576204	6507533	2.3	2.68	110.80	55.24	3.41	1.41	0.74	4.83	0.55	0.12	43.97	12.63	6.71	0.69	0.16	0.82	15.18	257.26
HH0626	576177	6507730	3.1	2.1	186.10	100.63	5.20	2.20	1.15	6.97	0.90	0.17	64.97	19.87	9.28	1.02	0.24	1.24	27.30	427.24
HH0627	576155	6507935	3.2	2.02	140.65	67.32	3.78	1.60	0.99	5.46	0.65	0.14	54.00	15.65	7.86	0.76	0.18	0.98	17.97	318.00
HH0628	576153	6508131	1.6	1.395	162.15	79.75	4.02	1.54	0.96	5.82	0.65	0.11	57.15	17.40	8.35	0.83	0.17	0.91	16.83	356.64
HH0629	576169	6508339	2.5	1.725	158.46	79.28	4.26	1.68	1.02	6.01	0.70	0.13	57.97	17.22	8.50	0.88	0.19	0.94	19.24	356.47
HH0630	576195	6508534	4.2	2.27	115.84	63.68	3.09	1.33	0.78	4.37	0.53	0.12	43.04	12.87	5.96	0.62	0.16	0.80	16.13	269.30
HH0631	576179	6508729	3.1	2.46	275.16	131.94	8.26	3.81	1.48	11.30	1.48	0.34	99.26	30.08	14.67	1.64	0.45	2.28	45.59	627.73
HH0632	576190	6508939	2.3	1.795	138.81	68.02	3.28	1.37	0.73	4.93	0.54	0.11	49.34	14.68	7.07	0.67	0.15	0.77	14.98	305.47
HH0633	576222	6509139	6.1	3.33	203.91	123.73	6.24	2.80	1.43	9.89	1.12	0.25	94.94	28.63	13.45	1.31	0.33	1.67	33.53	523.25
HH0634	576270	6509335	10.6	5.2	234.01	89.25	6.01	2.79	1.49	8.45	1.05	0.29	79.20	22.47	11.71	1.18	0.34	1.91	29.97	490.14
HH0635	584069	6506705	4.3	2.73	84.64	28.38	1.81	0.83	0.63	2.57	0.31	0.10	23.79	7.00	3.65	0.35	0.10	0.59	8.13	162.90
HH0636	584102	6506903	3.3	1.95	47.66	16.30	1.02	0.45	0.36	1.45	0.18	0.05	13.47	3.95	2.04	0.20	0.06	0.34	4.50	92.02
HH0637	584027	6507094	4.3	2.36	120.01	42.10	2.47	1.11	0.90	3.67	0.40	0.13	34.64	10.44	5.26	0.46	0.14	0.94	11.06	233.74
HH0638	583951	6507284	3.8	2.12	92.99	31.08	1.77	0.80	0.65	2.60	0.29	0.09	24.49	7.66	3.86	0.33	0.10	0.65	8.05	175.43
HH0639	583874	6507486	5.7	3.29	178.12	60.99	3.19	1.48	1.21	4.81	0.52	0.16	48.99	15.10	7.38	0.59	0.18	1.18	15.30	339.19
HH0640	583807	6507656	7.3	4.17	185.49	66.15	3.63	1.62	1.38	5.33	0.59	0.18	53.89	16.37	8.19	0.67	0.20	1.33	16.76	361.77
HH0641	583733	6507845	3.4	2.15	79.85	29.55	1.57	0.74	0.58	2.26	0.25	0.08	22.69	7.06	3.43	0.28	0.09	0.55	7.11	156.08
HH0642	583663	6508037	6.3	3.93	147.41	59.93	2.92	1.34	1.14	4.52	0.49	0.16	46.07	14.26	6.74	0.55	0.17	1.08	14.41	301.18
HH0643	583705	6508160	7.5	4.39	192.24	78.23	3.89	1.78	1.53	5.92	0.67	0.19	60.77	18.67	8.86	0.73	0.22	1.43	18.86	393.99
HH0644	583919	6508162	5.7	3.29	172.59	66.38	3.27	1.50	1.26	4.92	0.54	0.16	51.09	15.77	7.55	0.60	0.18	1.14	15.81	342.76
HH0645	584138	6508158	6.1	4.29	229.71	90.31	4.32	2.01	1.71	6.43	0.72	0.24	69.05	21.08	9.93	0.80	0.25	1.65	21.65	459.86
HH0646	584329	6508157	2.7	1.87	71.74	31.55	1.57	0.72	0.58	2.36	0.26	0.07	23.91	7.27	3.61	0.29	0.08	0.54	7.80	152.37
HH0647	584529	6508157	4.3	2.57	130.21	62.39	2.81	1.22	1.14	4.45	0.46	0.13	47.12	14.56	6.91	0.54	0.15	0.92	14.10	287.11
HH0648	584723	6508152	3.1	1.92	78.99	38.94	1.79	0.75	0.66	2.74	0.29	0.08	28.34	8.90	4.28	0.34	0.09	0.58	8.66	175.43
HH0649	584916	6508150	1.3	0.797	24.94	10.86	0.49	0.22	0.20	0.79	0.08	0.02	7.91	2.53	1.17	0.10	0.02	0.14	2.31	51.76
HH0651	585122	6508144	4.2	2.66	69.65	27.09	1.96	0.88	0.73	2.96	0.33	0.09	26.01	7.67	4.29	0.37	0.11	0.67	8.74	151.55
HH0652	585296	6508115	4.1	2.37	36.48	12.55	1.22	0.57	0.43	1.72	0.21	0.06	13.41	3.76	2.37	0.22	0.07	0.47	5.59	79.13
HH0653	585369	6507923	3.7	2.07	24.14	7.79	0.78	0.38	0.26	1.06	0.13	0.05	8.18	2.26	1.45	0.14	0.05	0.32	3.39	50.36
HH0654	585445	6507723	3.7	3.04	30.59	8.67	0.88	0.41	0.28	1.15	0.15	0.05	8.65	2.45	1.51	0.15	0.05	0.36	3.91	59.27
HH0656	585589	6507347	3.1	3.21	36.61	12.49	1.16	0.56	0.31	1.49	0.21	0.06	11.96	3.47	2.06	0.20	0.07	0.47	5.05	76.16
HH0656	585518	6507534	3.5	3.8	43.98	14.84	1.15	0.58	0.34	1.57	0.20	0.07	13.59	3.93	2.22	0.21	0.07	0.49	5.03	88.25
HH0657	573775	6504263	4.1	1.87	79.72	33.66	2.36	1.00	0.44	3.18	0.39	0.10	27.29	8.23	4.38	0.43	0.13	0.76	11.14	173.22
HH0658	573777	6504490	1.5	0.988	53.80	24.98	1.53	0.64	0.36	2.26	0.25	0.05	20.06	6.16	3.12	0.28	0.08	0.44	7.54	121.57
HH0659	573779	6504692	4.1	2.58	264.11	121.97	6.12	2.37	1.01	9.28	0.96	0.18	90.86	29.84	13.16	1.14	0.27	1.50	28.70	571.46
HH0660	573783	6504894	2.2	1.72	72.48	36.12	1.78	0.71	0.39	2.69	0.29	0.06	26.01	8.00	3.85	0.34	0.08	0.49	8.39	161.67

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0666	573792	6506123	2.7	2.11	58.10	15.77	1.09	0.50	0.34	1.51	0.18	0.06	13.18	3.97	2.16	0.20	0.06	0.40	4.98	102.51
HH0667	573794	6506310	1	0.719	26.90	9.35	0.54	0.23	0.19	0.81	0.09	0.02	7.07	2.20	1.10	0.10	0.03	0.18	2.36	51.18
HH0668	573795	6506513	2.2	2.09	96.92	29.67	2.04	0.92	0.66	2.77	0.34	0.09	24.26	7.48	4.08	0.37	0.11	0.69	8.60	179.00
HH0669	573794	6506713	2.1	2.28	105.15	29.32	2.22	0.96	0.71	3.14	0.36	0.10	26.01	7.83	4.42	0.41	0.12	0.74	9.40	190.88
HH0670	573798	6506921	1.8	1.325	41.27	12.90	1.02	0.44	0.27	1.39	0.17	0.04	11.72	3.59	2.01	0.20	0.05	0.35	4.44	79.87
HH0671	573797	6507118	1.5	1.07	57.49	19.70	1.60	0.67	0.34	2.16	0.25	0.07	17.26	5.39	2.98	0.29	0.08	0.53	6.76	115.57
HH0672	573799	6507325	3.1	1.855	105.89	40.93	2.95	1.32	0.70	4.18	0.49	0.13	35.46	10.64	5.83	0.55	0.16	0.94	13.71	223.89
HH0673	573801	6507534	5.3	3.59	111.54	33.19	2.98	1.37	0.76	4.03	0.51	0.14	30.91	9.03	5.65	0.54	0.17	1.10	13.52	215.44
HH0674	573803	6507727	2.1	1.39	52.33	20.29	1.71	0.74	0.41	2.47	0.28	0.07	18.49	5.47	3.33	0.32	0.09	0.52	8.17	114.68
HH0677	573805	6507923	3.9	2.47	114.36	43.28	3.55	1.51	0.78	4.85	0.58	0.13	36.51	10.96	6.38	0.65	0.18	1.03	16.51	241.26
HH0679	573808	6508332	0.9	0.601	9.75	3.82	0.21	0.09	0.05	0.32	0.03	0.01	2.80	0.85	0.50	0.04	0.01	0.08	0.96	19.54
HH0679	573806	6508124	2.2	2.06	41.77	13.19	1.27	0.54	0.31	1.71	0.20	0.06	12.54	3.72	2.34	0.22	0.07	0.40	5.41	83.74
HH0680	573805	6508564	2.9	2.51	71.49	23.28	1.82	0.77	0.50	2.60	0.29	0.08	20.65	6.34	3.69	0.35	0.10	0.62	7.30	139.88
HH0681	573811	6508755	0.5	0.613	15.91	5.65	0.42	0.17	0.11	0.61	0.07	0.02	4.79	1.47	0.88	0.08	0.02	0.15	1.71	32.07
HH0682	573811	6508948	1.4	1.05	39.31	12.14	1.01	0.42	0.25	1.42	0.15	0.05	10.84	3.33	1.94	0.18	0.05	0.36	4.05	75.51
HH0683	573810	6509163	1.1	1.02	32.55	12.55	0.80	0.32	0.20	1.19	0.12	0.03	9.82	2.98	1.64	0.14	0.04	0.24	3.33	65.97
HH0684	573796	6509360	2.7	2.74	72.35	23.16	1.64	0.70	0.38	2.16	0.26	0.07	18.72	5.87	3.04	0.30	0.09	0.53	7.57	136.85
HH0685	573795	6509564	1.3	1.36	35.75	11.79	0.91	0.38	0.24	1.26	0.14	0.04	10.39	3.13	1.83	0.17	0.05	0.30	3.72	70.08
HH0686	573800	6509767	0.9	0.792	18.61	7.94	0.49	0.21	0.12	0.70	0.08	0.02	6.16	1.93	0.98	0.10	0.03	0.17	2.17	39.69
HH0687	573800	6509968	1.5	1.115	75.18	30.38	1.92	0.86	0.50	2.50	0.32	0.09	22.69	7.10	3.56	0.33	0.11	0.71	9.11	155.35
HH0688	573802	6510161	1.3	1.135	25.18	9.29	0.51	0.20	0.13	0.76	0.08	0.02	6.65	2.07	1.04	0.10	0.02	0.16	2.23	48.44
HH0689	573801	6510363	3.9	2.22	56.51	23.93	1.97	0.90	0.60	2.80	0.34	0.09	23.09	6.62	3.90	0.37	0.11	0.63	9.77	131.61
HH0690	573806	6510577	2.3	1.625	74.07	32.84	2.00	0.86	0.42	2.71	0.32	0.09	23.91	7.44	3.78	0.36	0.10	0.61	9.31	158.83
HH0691	573804	6510771	3	2.21	133.28	51.13	3.74	1.68	0.82	4.98	0.62	0.16	44.09	13.17	7.44	0.67	0.21	1.31	17.02	280.33
HH0692	573806	6510977	2.8	2.44	246.91	98.98	6.09	2.65	1.30	8.37	0.98	0.22	77.22	23.92	12.18	1.11	0.32	1.88	28.70	510.82
HH0693	573808	6511177	4.3	2.55	179.35	63.80	4.27	1.92	0.96	5.57	0.69	0.19	52.02	15.95	8.22	0.75	0.24	1.49	20.13	355.55
HH0694	573805	6511454	2.5	1.835	114.49	53.71	3.14	1.52	0.65	4.21	0.54	0.15	37.79	11.59	5.62	0.56	0.19	1.15	17.14	252.45
HH0695	573810	6511589	2.2	1.55	90.78	38.12	2.52	1.15	0.57	3.24	0.42	0.11	29.39	9.13	4.77	0.44	0.14	0.89	11.90	193.57
HH0696	573813	6511784	4.6	2.37	118.17	47.15	2.77	1.29	0.66	3.68	0.48	0.14	34.29	10.52	5.25	0.49	0.16	1.06	13.84	239.95
HH0697	573812	6511999	3.1	2.09	108.84	36.94	2.32	1.07	0.66	3.01	0.39	0.11	27.76	8.71	4.31	0.42	0.14	0.86	11.01	206.55
HH0698	573811	6512189	2.5	1.72	92.50	31.67	1.68	0.76	0.54	2.34	0.28	0.08	22.57	7.14	3.40	0.30	0.10	0.63	8.25	172.23
HH0699	573810	6512403	1	0.943	53.44	12.72	0.85	0.36	0.26	1.12	0.13	0.04	10.02	3.21	1.60	0.16	0.04	0.29	3.37	87.61
HH0701	573813	6512597	1	1.02	44.47	7.88	0.71	0.32	0.23	0.93	0.11	0.04	7.38	2.20	1.26	0.13	0.04	0.28	2.73	68.72
HH0702	573816	6512799	1.2	1.495	71.25	18.35	1.25	0.57	0.42	1.73	0.21	0.06	14.46	4.51	2.39	0.24	0.07	0.45	5.85	121.82
HH0703	573797	6513005	2.1	1.5	12.25	2.99	0.26	0.14	0.07	0.34	0.04	0.02	2.67	0.77	0.43	0.05	0.02	0.14	1.25	21.45
HH0704	573734	6513199	6.5	3.02	42.38	10.20	1.13	0.59	0.30	1.37	0.20	0.08	10.37	2.86	1.83	0.19	0.08	0.51	5.22	77.31
HH0705	573696	6513381	4.5	1.82	33.54	10.81	1.07	0.53	0.31	1.44	0.19	0.06	11.06	3.11	1.87	0.19	0.06	0.41	5.17	69.80
HH0706	573698	6513598	3.8	1.605	58.10	11.29	1.13	0.53	0.33	1.44	0.19	0.05	10.89	3.15	1.91	0.20	0.07	0.41	5.23	94.94
HH0707	573700	6513797	1.6	1.235	16.71	4.71	0.38	0.17	0.10	0.49	0.06	0.02	3.78	1.15	0.63	0.07	0.02	0.15	1.71	30.15
HH0708	573701	6514004	2.3	1.45	41.52	7.10	0.73	0.32	0.18	0.86	0.12	0.03	6.38	1.91	1.14	0.12	0.04	0.26	2.93	63.65
HH0709	573702	6514206	5.7	4.88	54.91	11.19	1.31	0.67	0.30	1.49	0.23	0.08	11.38	3.09	2.20	0.22	0.10	0.61	5.75	93.52
HH0710	573703	6514407	2.4	2.07	146.79	63.10	3.10	1.22	0.67	4.74	0.48	0.10	51.55	14.50	7.99	0.60	0.15	0.80	14.16	309.94
HH0711	573704	6514615	1.7	1.2	41.40	13.25	1.07	0.44	0.22	1.30	0.17	0.05	11.64	3.31	2.04	0.20	0.06	0.36	4.67	80.17
HH0712	573707	6514828	1.8	1.045	73.83	28.38	2.27	1.01	0.39	2.55	0.37	0.08	21.75	6.20	3.84	0.39	0.13	0.73	10.07	151.99
HH0713	573709	6515019	1.7	0.638	51.10	22.34	1.31	0.61	0.23	1.37	0.22	0.05	14.46	4.39	2.09	0.21	0.08	0.43	6.81	105.70
HH0714	573712	6515205	1.4	1.02	55.52	21.11	1.22	0.49	0.25	1.33	0.19	0.03	13.30	4.12	2.05	0.21	0.06	0.32	5.77	105.96
HH0715	573802	6515344	5.3	3.53	32.31	6.95	0.86	0.45	0.26	0.99	0.14	0.06	8.14	2.11	1.53	0.14	0.07	0.46	3.58	58.05
HH0716	574005	6515343	4.5	2.02	43.36	10.47	0.97	0.45	0.29	1.16	0.16	0.05	9.97	2.72	1.75	0.16	0.06	0.36	4.37	76.29
HH0717	574203	6515342	1.7	0.805	18.36	7.13	0.49	0.20	0.14	0.62	0.08	0.02	5.67	1.59	0.92	0.09	0.03	0.16	2.40	37.91
HH0718	574417	6515339	2.5	1.005	29.48	7.41	0.51	0.23	0.15	0.63	0.08	0.02	5.90	1.66	0.93	0.09	0.03	0.18	2.37	49.69
HH0719	574615	6515339	2.7	1.025	38.45	9.78	0.83	0.37	0.26	1.07	0.13	0.04	8.95	2.44	1.54	0.14	0.04	0.27	3.86	68.17
HH0720	574727	6515459	4.9	1.825	38.82	10.58	0.96	0.44	0.30	1.19	0.16	0.05	10.15	2.72	1.78	0.16	0.06	0.34	4.66	72.36
HH0721	574730	6515673	4.3	2.78	19.84	5.57	0.52	0.27	0.15	0.60	0.09	0.03	5.02	1.37	0.90	0.08	0.03	0.23	2.39	37.08
HH0722	574732	6515879	3.6	2.35	17.38	5.45	0.49	0.22	0.15	0.60	0.08	0.03	5.19	1.38	0.91	0.08	0.03	0.20	2.13	34.33
HH0723	574733	6516064	2.7	2.17	19.41	5.20	0.48	0.21	0.15	0.58	0.08	0.02	5.10	1.35	0.91	0.08	0.03	0.18	1.97	35.76
HH0724	574734	6516277	6.3	4.49	76.04	18.41	1.48	0.76	0.46	1.73	0.25	0.09	17.38	4.81	2.84	0.26	0.11	0.76	6.37	131.74
HH0726	574737	6516481	5.5	3.86	64.86	21.70	1.33	0.63	0.46	1.86	0.22	0.07	20.06	5.65	3.20	0.23	0.09	0.53	6.71	127.60
HH0727	574737	6516677	3.5	2.24	63.02	20.64	1.14	0.54	0.39	1.64	0.19	0.06	18.20	5.18	2.97	0.20	0.07	0.46	5.96	120.66
HH0728	574739	6516882	8.6	5.69	39.43	8.47	0.95	0.48	0.28	1.14	0.16	0.07	9.25	2.4						

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0733	574746	6517903	1.4	1.045	35.26	8.95	0.72	0.29	0.20	0.89	0.10	0.03	7.69	2.15	1.34	0.12	0.04	0.24	2.92	60.93
HH0734	574912	6517972	3.2	1.26	40.78	17.59	1.26	0.50	0.40	1.68	0.19	0.04	15.05	4.14	2.52	0.22	0.06	0.31	5.66	90.39
HH0735	574972	6518158	8.5	4.28	66.58	17.59	1.70	0.84	0.53	2.16	0.29	0.08	18.02	4.71	3.19	0.30	0.10	0.65	7.94	124.67
HH0736	574975	6518375	11.5	6.2	56.14	20.05	2.31	1.07	0.74	2.89	0.38	0.12	22.80	5.91	4.33	0.39	0.15	0.88	10.22	128.38
HH0737	574979	6518558	6.7	2.82	94.22	32.96	1.77	0.78	0.41	2.24	0.27	0.08	23.15	6.75	3.55	0.32	0.10	0.63	8.15	175.38
HH0738	574982	6518760	3.2	2.03	104.78	41.75	2.16	0.86	0.54	2.95	0.33	0.08	29.86	8.72	4.80	0.40	0.11	0.68	9.80	207.84
HH0739	574984	6518956	1.9	1.06	50.12	17.94	0.82	0.32	0.17	1.16	0.13	0.03	12.13	3.61	1.83	0.15	0.04	0.23	3.87	92.55
HH0740	574982	6519122	1.1	0.522	22.60	10.13	0.43	0.17	0.08	0.66	0.06	0.02	7.08	2.05	1.09	0.08	0.02	0.14	1.97	46.60
HH0741	574988	6519317	5.8	3.51	125.30	42.10	3.64	1.69	0.87	4.48	0.59	0.20	38.72	10.61	6.86	0.64	0.23	1.46	17.33	254.73
HH0742	575006	6519524	11.6	11.6	167.06	41.63	4.10	2.01	1.12	4.73	0.68	0.23	37.56	10.08	6.88	0.70	0.27	1.75	19.49	298.29
HH0743	575010	6519724	2.4	1.91	45.82	12.31	1.13	0.53	0.31	1.41	0.19	0.06	10.75	2.96	1.99	0.20	0.07	0.45	5.57	83.75
HH0744	575013	6519930	8.2	5.69	85.87	19.70	2.33	1.17	0.64	2.62	0.39	0.14	19.71	5.34	3.70	0.40	0.16	1.04	10.81	154.01
HH0745	575017	6520119	7.2	4.02	91.02	22.87	2.07	0.96	0.62	2.69	0.34	0.12	22.57	6.49	3.79	0.37	0.13	0.81	8.89	163.73
HH0746	575013	6520321	8.3	4.8	94.96	28.38	2.86	1.41	0.75	3.68	0.50	0.16	25.89	7.36	4.63	0.49	0.17	1.08	15.11	187.44
HH0747	575017	6520539	2.3	2.2	48.77	11.28	1.12	0.50	0.30	1.48	0.19	0.05	10.70	3.17	1.93	0.20	0.06	0.38	4.46	84.58
HH0748	574984	6520722	1.6	1.365	28.87	6.49	0.59	0.26	0.14	0.76	0.09	0.03	5.41	1.67	1.03	0.11	0.03	0.21	2.24	47.91
HH0749	574865	6520884	1.9	2.99	108.10	15.54	2.18	1.04	0.57	2.62	0.37	0.13	17.96	5.00	3.41	0.38	0.13	0.91	8.57	166.90
HH0751	574749	6521042	1	1.425	27.02	6.51	0.55	0.25	0.15	0.72	0.09	0.03	5.55	1.66	0.98	0.10	0.03	0.22	2.17	46.03
HH0752	574620	6521220	3.7	4.97	86.36	21.46	2.59	1.22	0.70	3.17	0.45	0.15	21.11	6.11	4.01	0.45	0.16	1.09	11.24	160.27
HH0753	574505	6521380	0.3	0.601	17.50	6.38	0.44	0.18	0.10	0.64	0.07	0.02	4.97	1.54	0.85	0.08	0.02	0.12	1.87	34.79
HH0754	574405	6521519	6.9	3.62	90.16	38.70	2.65	1.11	0.68	3.57	0.43	0.11	29.98	9.01	4.97	0.49	0.13	0.80	12.95	195.76
HH0755	574288	6521677	2.3	3.04	66.58	22.69	1.81	0.71	0.45	2.33	0.29	0.07	18.37	5.63	3.15	0.33	0.09	0.55	7.53	130.57
HH0756	574173	6521840	2.4	1.7	73.21	17.12	1.37	0.59	0.34	1.83	0.22	0.07	14.35	4.29	2.55	0.25	0.08	0.53	5.36	122.16
HH0757	574057	6522002	1.1	1.275	44.22	12.26	0.93	0.36	0.22	1.31	0.14	0.04	10.15	3.08	1.75	0.17	0.05	0.30	3.81	78.79
HH0758	573933	6522169	0.7	0.819	19.84	7.31	0.53	0.22	0.12	0.74	0.08	0.03	5.88	1.82	1.00	0.10	0.03	0.18	2.15	40.03
HH0759	574925	6520639	0.7	0.926	24.81	5.49	0.51	0.26	0.14	0.69	0.08	0.03	5.16	1.50	0.90	0.10	0.03	0.22	2.18	42.08
HH0760	574704	6520643	3.2	2.57	60.31	14.25	1.26	0.59	0.37	1.73	0.21	0.07	13.82	4.11	2.41	0.23	0.07	0.48	5.45	105.36
HH0761	574506	6520646	2.4	1.79	21.31	8.64	0.62	0.27	0.18	0.91	0.10	0.03	7.30	2.17	1.25	0.11	0.04	0.23	2.88	46.04
HH0762	574297	6520648	7.1	6.74	45.70	17.06	1.57	0.83	0.36	2.20	0.27	0.13	17.79	5.03	3.06	0.28	0.11	0.78	8.37	103.53
HH0763	574102	6520645	0.6	1.405	41.52	19.64	1.08	0.48	0.31	1.56	0.18	0.05	13.24	4.22	2.14	0.20	0.06	0.38	5.14	90.19
HH0764	573902	6520647	1.5	1.67	56.51	19.76	1.45	0.61	0.37	2.17	0.24	0.06	17.09	5.26	2.99	0.27	0.07	0.49	6.45	113.81
HH0765	573692	6520653	4.5	3.21	102.69	15.89	2.35	1.15	0.50	2.66	0.40	0.14	17.15	4.94	3.49	0.40	0.15	1.02	9.59	162.52
HH0766	573497	6520663	4.7	2.11	26.90	5.24	0.74	0.41	0.18	0.89	0.13	0.06	5.97	1.64	1.18	0.13	0.05	0.41	2.93	46.90
HH0767	573299	6520653	7.7	2.2	27.88	4.67	0.45	0.21	0.11	0.56	0.08	0.03	4.08	1.20	0.72	0.08	0.03	0.17	2.01	42.27
HH0768	573088	6520655	6.1	1.725	32.68	7.28	0.64	0.29	0.19	0.94	0.10	0.03	6.63	1.94	1.21	0.12	0.03	0.22	2.84	55.13
HH0769	572889	6520650	7.3	3.14	33.41	9.97	0.84	0.39	0.22	1.06	0.14	0.04	8.21	2.44	1.42	0.14	0.05	0.33	3.58	62.25
HH0770	572663	6520653	6.2	2.17	46.31	8.54	0.98	0.47	0.27	1.23	0.16	0.06	8.71	2.53	1.60	0.17	0.07	0.47	3.75	75.32
HH0771	572447	6520655	6.6	4.4	67.44	9.87	1.23	0.61	0.42	1.73	0.22	0.08	13.36	3.60	2.54	0.22	0.08	0.54	5.05	107.01
HH0772	572245	6520659	7.3	3.1	69.40	17.94	1.51	0.73	0.43	2.11	0.25	0.08	16.91	4.93	2.91	0.28	0.09	0.57	7.20	125.35
HH0773	572042	6520657	1.6	0.98	27.52	12.90	0.55	0.24	0.16	0.92	0.09	0.02	8.40	2.67	1.26	0.11	0.03	0.17	2.74	57.77
HH0774	571831	6520657	2.3	1.525	24.08	9.16	0.60	0.26	0.15	0.84	0.09	0.03	6.94	2.14	1.13	0.10	0.03	0.21	2.68	48.43
HH0777	571612	6520661	1.9	1.01	35.62	11.85	0.77	0.32	0.20	1.15	0.11	0.03	9.74	3.00	1.59	0.15	0.04	0.22	3.12	67.90
HH0778	571434	6520662	3.6	2.48	77.51	33.89	1.97	0.90	0.62	2.90	0.33	0.09	26.83	8.00	4.29	0.37	0.11	0.63	9.52	167.98
HH0779	581496	6505335	3	1.7	63.63	33.54	1.57	0.66	0.38	2.33	0.26	0.05	24.49	7.66	3.44	0.29	0.07	0.39	7.49	146.25
HH0780	581380	6505527	4.1	2.03	132.05	63.57	3.16	1.40	0.84	5.04	0.52	0.12	51.55	15.65	7.64	0.60	0.16	0.88	16.06	299.22
HH0781	581264	6505685	5.1	2.82	206.99	118.45	7.31	3.35	1.36	10.14	1.24	0.26	85.85	26.46	13.51	1.33	0.37	2.05	37.59	516.26
HH0782	581138	6505856	2.8	1.33	70.26	29.79	2.20	0.99	0.48	3.03	0.36	0.09	24.03	7.06	3.88	0.40	0.11	0.67	10.31	153.66
HH0783	581019	6506017	3	1.125	35.50	15.48	1.13	0.52	0.26	1.46	0.20	0.05	11.66	3.49	1.90	0.20	0.07	0.42	5.74	78.08
HH0784	580904	6506178	7.9	2.53	239.54	125.49	7.47	3.68	1.48	10.59	1.34	0.34	87.36	25.73	13.39	1.36	0.43	2.51	42.67	563.38
HH0785	580779	6506346	4.8	1.9	134.51	71.66	4.38	2.08	0.87	6.05	0.74	0.19	52.72	15.53	8.40	0.80	0.25	1.53	23.37	323.06
HH0786	580664	6506507	4.4	1.695	111.78	71.19	2.97	1.36	0.73	4.70	0.50	0.11	43.16	13.17	6.29	0.57	0.15	0.87	16.45	273.99
HH0787	580543	6506668	4.5	1.99	173.82	90.42	4.06	1.82	0.96	6.26	0.67	0.16	61.59	18.73	8.88	0.77	0.22	1.27	21.40	391.02
HH0788	580410	6506834	2.2	0.95	35.26	16.60	0.91	0.40	0.25	1.33	0.15	0.04	11.58	3.52	1.77	0.17	0.05	0.29	4.47	76.79
HH0789	580416	6507037	3.1	1.245	49.87	19.88	1.36	0.60	0.33	1.86	0.22	0.06	15.22	4.62	2.60	0.24	0.07	0.46	6.03	103.43
HH0790	580418	6507245	5.4	1.815	113.63	51.60	3.14	1.46	0.75	4.58	0.53	0.13	39.54	11.72	6.24	0.61	0.17	1.00	15.05	250.15
HH0791	580419	6507433	3.2	1.22	77.76	30.38	1.93	0.84	0.46	2.84	0.31	0.08	24.61	7.15	4.00	0.36	0.10	0.62	8.53	159.97
HH0792	580422	6507648	1.7	0.909	22.60	10.09	0.53	0.22	0.14	0.73	0.09	0.02	6.12	1.92	1.01	0.10	0.03	0.17	2.44	46.22
HH0793	580423	6507848	3.1	1.39	26.66	13.72	0.98	0.45	0.24	1.34	0.16	0.05	10.38	3.12	1.75	0.18	0.06	0.36	4.72	64.15
HH0794	580425	6508044	7.2	3.09	69.53	30.02	1.85	0.89	0.48	2.75	0.33	0.09	2							



ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0799	580366	6509050	6.8	4.4	53.07	19.06	1.56	0.70	0.45	2.11	0.26	0.07	16.45	4.70	2.78	0.27	0.09	0.55	7.14	109.24
HH0801	580334	6509260	5.2	3.93	36.11	14.25	1.02	0.49	0.29	1.46	0.17	0.05	11.20	3.30	1.92	0.19	0.05	0.33	5.02	75.87
HH0802	580302	6509459	4.6	2.83	112.89	28.26	2.31	1.04	0.62	3.20	0.38	0.11	24.96	7.45	4.42	0.44	0.14	0.83	9.59	196.64
HH0803	580272	6509653	5.6	3	105.40	30.49	2.56	1.15	0.68	3.42	0.42	0.11	28.34	8.08	4.91	0.47	0.14	0.88	11.04	198.10
HH0804	580241	6509846	7.1	3.78	131.44	45.50	3.55	1.60	0.93	4.81	0.59	0.15	39.66	11.72	6.68	0.66	0.20	1.21	15.81	264.50
HH0805	580212	6510040	2.7	1.95	85.87	34.60	2.35	1.05	0.61	3.14	0.39	0.09	27.29	8.06	4.57	0.43	0.13	0.77	10.68	180.01
HH0806	580177	6510259	1.8	1.815	61.17	21.93	1.60	0.67	0.44	2.16	0.25	0.06	18.25	5.22	3.01	0.29	0.08	0.52	6.82	122.49
HH0807	580150	6510440	4.4	3.16	145.57	57.00	4.29	1.96	1.11	5.89	0.72	0.17	51.67	15.28	8.40	0.78	0.24	1.45	20.64	315.16
HH0808	580119	6510636	6.4	3.6	34.03	11.42	1.00	0.51	0.29	1.31	0.17	0.06	10.78	2.95	1.81	0.17	0.07	0.43	4.67	69.68
HH0809	580086	6510832	4.9	3.4	21.44	7.40	0.75	0.37	0.22	0.96	0.13	0.05	7.59	2.05	1.32	0.13	0.05	0.35	3.42	46.22
HH0810	580030	6511037	7	7.72	36.36	7.39	0.63	0.32	0.18	0.80	0.11	0.04	6.84	1.91	1.21	0.11	0.04	0.31	2.84	59.09
HH0811	580027	6511228	5.9	2.42	29.85	8.87	0.54	0.26	0.20	0.77	0.10	0.03	7.35	2.13	1.14	0.10	0.03	0.22	2.70	54.28
HH0812	579993	6511435	3.8	2.22	57.86	25.80	2.75	1.33	0.68	3.55	0.47	0.12	27.18	7.38	4.45	0.48	0.16	0.97	15.11	148.31
HH0813	579964	6511639	2.3	1.345	33.78	20.70	1.12	0.46	0.27	1.65	0.18	0.04	14.58	4.31	2.32	0.21	0.05	0.31	5.38	85.37
HH0814	579928	6511861	11.5	4.54	164.61	107.78	6.22	3.02	1.73	9.13	1.10	0.27	91.21	26.58	13.34	1.15	0.36	2.07	35.81	464.37
HH0815	579903	6512036	3.4	1.775	105.27	51.02	3.00	1.26	0.68	4.07	0.49	0.10	36.74	11.39	5.66	0.55	0.15	0.86	14.86	236.10
HH0816	579896	6512243	2.2	1.645	44.35	17.77	1.19	0.46	0.33	1.70	0.18	0.04	14.17	4.14	2.40	0.22	0.06	0.32	5.26	92.59
HH0817	579898	6512436	4.4	2.58	70.02	35.07	2.30	1.08	0.68	3.40	0.40	0.10	28.46	8.18	4.60	0.42	0.13	0.76	11.82	167.41
HH0818	579899	6512634	1	0.562	15.05	5.78	0.36	0.16	0.11	0.51	0.06	0.02	4.43	1.30	0.73	0.07	0.02	0.12	1.67	30.39
HH0819	579898	6512842	0.6	0.423	8.84	3.96	0.22	0.10	0.07	0.32	0.03	0.01	2.86	0.83	0.46	0.04	0.01	0.07	0.99	18.82
HH0820	579902	6513043	1.6	0.973	29.60	15.83	0.87	0.36	0.26	1.26	0.14	0.03	11.03	3.32	1.76	0.17	0.04	0.27	4.06	69.03
HH0821	579903	6513253	1.4	1.205	57.86	30.26	1.66	0.70	0.44	2.33	0.27	0.06	21.00	6.25	3.21	0.31	0.08	0.47	8.14	133.04
HH0822	579905	6513450	2.2	1.24	54.17	21.17	1.29	0.56	0.38	1.81	0.21	0.05	16.56	4.83	2.70	0.24	0.07	0.41	5.93	110.38
HH0823	579904	6513643	4.1	1.99	74.56	31.31	1.95	0.84	0.59	2.75	0.32	0.08	24.61	7.30	4.02	0.36	0.10	0.61	9.09	158.50
HH0824	579908	6513851	2.1	1.35	66.95	31.20	2.04	0.86	0.57	2.82	0.33	0.08	23.68	7.03	3.92	0.38	0.10	0.64	9.23	149.83
HH0826	579910	6514063	3.3	1.795	74.44	32.13	2.51	1.14	0.65	3.18	0.41	0.11	27.18	7.83	4.59	0.46	0.15	0.90	11.71	167.40
HH0827	579909	6514254	3.3	1.68	80.58	32.49	2.70	1.25	0.67	3.38	0.45	0.12	27.99	8.08	4.74	0.46	0.16	1.04	12.29	176.40
HH0828	579913	6514450	3.1	2.6	104.17	38.47	3.23	1.50	0.85	3.95	0.54	0.15	32.08	9.32	5.57	0.56	0.19	1.22	15.11	216.89
HH0829	579914	6514675	2.9	2.1	37.59	13.31	1.05	0.49	0.31	1.41	0.18	0.04	11.21	3.23	1.86	0.19	0.06	0.35	5.30	76.57
HH0830	579913	6514860	5.4	5.82	52.58	23.34	1.93	1.01	0.49	2.34	0.34	0.12	18.84	5.49	3.12	0.33	0.14	0.92	10.87	121.85
HH0831	579916	6515056	2.9	1.925	59.33	24.63	1.75	0.89	0.46	2.13	0.30	0.10	19.07	5.50	3.04	0.30	0.12	0.81	9.18	127.59
HH0832	579918	6515260	4.4	2.63	52.70	25.68	0.98	0.45	0.51	1.39	0.16	0.05	16.50	4.98	2.18	0.18	0.06	0.38	4.98	111.18
HH0833	579917	6515461	3.9	4.55	23.09	7.92	0.64	0.27	0.19	0.84	0.10	0.03	6.63	1.89	1.10	0.11	0.04	0.21	2.81	45.88
HH0834	579922	6515663	3.6	2.02	38.20	15.07	1.01	0.45	0.29	1.41	0.16	0.04	12.31	3.55	2.01	0.19	0.05	0.33	4.64	79.70
HH0835	579923	6515866	3.4	1.425	30.83	9.08	0.73	0.31	0.21	0.97	0.11	0.03	7.98	2.26	1.35	0.14	0.04	0.22	3.05	57.30
HH0836	579922	6516075	1.9	0.898	18.36	9.48	0.48	0.20	0.14	0.70	0.08	0.02	6.72	2.05	1.02	0.09	0.02	0.13	2.25	41.73
HH0837	579926	6516273	4.4	2.46	79.11	34.71	2.05	0.92	0.53	2.75	0.35	0.09	25.08	7.56	4.10	0.39	0.11	0.66	10.11	168.53
HH0838	579925	6516469	1.9	0.963	39.31	16.65	0.70	0.29	0.17	0.98	0.12	0.03	9.67	3.08	1.54	0.14	0.04	0.21	3.53	76.47
HH0839	579928	6516677	5.6	2.15	89.30	27.09	2.24	1.06	0.54	2.73	0.40	0.11	22.98	6.87	4.04	0.41	0.14	0.83	11.23	169.97
HH0840	579930	6516870	8.8	4.09	133.28	43.75	3.64	1.80	0.91	4.56	0.65	0.20	37.67	10.99	6.47	0.64	0.22	1.39	18.99	265.16
HH0841	579930	6517073	3.3	1.755	98.76	31.20	2.49	1.22	0.68	3.15	0.44	0.13	27.41	8.12	4.68	0.46	0.16	0.98	12.29	192.17
HH0842	579933	6517277	3.9	1.445	59.95	25.33	1.61	0.75	0.47	2.13	0.27	0.08	19.65	5.93	3.22	0.29	0.09	0.59	7.95	128.33
HH0843	579935	6517472	1.8	0.956	31.82	13.90	0.80	0.35	0.22	1.07	0.12	0.03	10.50	3.19	1.68	0.15	0.04	0.27	3.68	67.82
HH0844	579935	6517683	7	3.26	102.57	30.14	2.27	1.06	0.75	2.95	0.38	0.12	25.66	7.61	4.34	0.42	0.13	0.85	10.03	189.29
HH0845	579937	6517880	4.4	2.54	69.77	18.30	1.44	0.60	0.46	1.82	0.23	0.06	15.51	4.64	2.69	0.26	0.07	0.46	6.11	122.43
HH0846	579939	6518085	5	1.85	63.51	24.98	1.30	0.60	0.51	1.72	0.21	0.07	18.37	5.64	2.81	0.24	0.08	0.48	6.25	126.77
HH0847	579941	6518287	3	1.065	53.80	20.58	0.92	0.38	0.37	1.30	0.15	0.04	13.82	4.47	2.05	0.18	0.05	0.29	3.99	102.39
HH0848	579940	6518490	2.3	1.145	65.23	26.27	0.88	0.38	0.45	1.29	0.14	0.04	16.39	5.34	2.23	0.17	0.05	0.29	4.20	123.35
HH0849	579945	6518683	2.3	1.805	64.49	34.71	1.24	0.56	0.59	1.87	0.21	0.06	21.23	6.74	2.96	0.24	0.07	0.44	6.20	141.59
HH0851	579946	6518890	2.2	1.59	91.02	47.85	1.97	0.85	0.80	2.92	0.33	0.09	31.96	10.03	4.67	0.38	0.11	0.65	9.99	203.64
HH0852	579948	6519087	1.7	0.993	42.87	21.17	1.15	0.45	0.37	1.59	0.18	0.03	14.06	4.33	2.39	0.23	0.05	0.28	5.00	94.14
HH0853	579949	6519287	2.9	2.63	73.70	34.95	1.43	0.56	0.44	2.11	0.22	0.05	21.75	6.94	3.28	0.28	0.06	0.37	6.45	152.60
HH0854	579951	6519508	3.7	3.73	146.18	69.20	2.32	1.03	0.84	3.62	0.39	0.11	45.49	14.26	6.24	0.46	0.13	0.83	12.33	303.42
HH0855	579952	6519686	2	2.52	83.90	43.39	1.20	0.55	0.41	1.71	0.20	0.06	23.56	7.89	2.92	0.23	0.08	0.49	6.43	173.02
HH0856	579954	6519891	4.2	2.43	105.77	59.34	3.20	1.59	0.94	4.22	0.56	0.17	42.11	12.75	6.33	0.57	0.21	1.32	18.41	257.49
HH0857	579957	6520101	5.1	3.23	78.13	44.68	2.96	1.51	1.00	3.95	0.52	0.16	39.19	11.19	6.26	0.54	0.20	1.24	17.21	208.74
HH0858	579958	6520324	0.9	0.508	21.68	10.75	0.45	0.20	0.18	0.62	0.07	0.02	6.80	2.17	1.04	0.08	0.03	0.19	2.41	46.70
HH0859	579963	6520507	0.9	0.906	135.74	57.00	2.04	0.96	0.88	2.69	0.35	0.11	32.66	11.10	4.34	0.38	0.13	0.81	10.81	259.97
HH0860	579964	6520694	6.2	2.98	70.14	30.84	1.18	0.58	0.51	1.61										

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0865	579972	6521698	5.7	3.52	58.35	25.33	1.34	0.59	0.40	1.84	0.23	0.06	16.74	5.20	2.81	0.25	0.07	0.47	6.44	120.11
HH0866	579973	6521897	1.9	1.085	49.87	30.02	0.68	0.34	0.36	1.01	0.11	0.04	14.29	4.83	1.75	0.12	0.04	0.29	3.94	107.72
HH0867	579975	6522110	0.6	0.394	6.42	3.17	0.14	0.06	0.04	0.18	0.02	0.01	1.92	0.59	0.28	0.03	0.01	0.05	0.68	13.59
HH0868	580849	6517156	3	1.395	29.36	13.02	1.29	0.62	0.23	1.37	0.22	0.06	10.17	2.96	1.90	0.22	0.08	0.43	6.45	68.37
HH0869	580632	6517161	1.5	0.64	17.57	11.46	1.30	0.78	0.21	1.35	0.25	0.08	10.08	2.80	1.81	0.21	0.10	0.62	8.76	57.38
HH0870	580421	6517162	4.5	1.765	26.29	13.19	1.48	0.75	0.29	1.56	0.27	0.08	11.65	3.38	2.15	0.25	0.10	0.60	8.20	70.24
HH0871	580212	6517162	3.9	2.93	58.72	23.34	2.17	1.12	0.47	2.21	0.39	0.12	18.55	5.47	3.13	0.37	0.15	0.90	11.29	128.39
HH0872	580028	6517162	3.3	1.78	100.24	38.94	2.55	1.22	0.67	3.35	0.44	0.12	30.09	9.16	5.16	0.45	0.16	0.95	12.83	206.33
HH0873	579824	6517166	5.8	3.25	110.19	41.75	3.29	1.57	0.86	4.30	0.59	0.17	34.88	10.26	6.03	0.59	0.21	1.28	16.51	232.47
HH0874	579613	6517168	7.2	3.52	152.94	51.49	3.66	1.70	0.96	4.75	0.62	0.18	40.82	12.26	7.10	0.66	0.20	1.32	17.59	296.24
HH0877	579409	6517172	10	4.16	146.79	47.97	3.79	1.78	0.95	4.93	0.64	0.19	40.59	12.08	7.22	0.69	0.22	1.36	17.46	286.68
HH0878	579196	6517172	8.5	3.71	177.50	58.87	4.15	1.90	1.05	5.43	0.70	0.20	47.24	14.26	8.21	0.74	0.24	1.51	19.11	341.13
HH0879	579000	6517175	13	5.88	187.33	97.46	5.67	2.77	1.60	8.08	1.01	0.27	73.95	22.59	12.12	1.04	0.33	2.03	33.14	449.40
HH0880	578795	6517175	6.6	2.9	144.34	48.32	3.05	1.32	0.88	4.30	0.52	0.13	39.89	12.01	6.88	0.57	0.17	1.02	13.21	276.60
HH0881	578583	6517177	3.9	1.77	103.68	33.54	2.03	0.90	0.58	2.84	0.34	0.09	26.24	8.07	4.55	0.39	0.11	0.71	8.61	192.68
HH0882	578403	6517180	6.1	3.23	49.87	16.30	1.01	0.45	0.30	1.43	0.17	0.04	13.12	3.83	2.20	0.19	0.05	0.34	5.02	94.33
HH0883	578199	6517182	7.2	4.97	43.61	13.19	1.10	0.56	0.31	1.38	0.19	0.06	11.49	3.30	2.04	0.20	0.07	0.48	5.24	83.23
HH0884	577990	6517183	7.5	4.08	56.75	21.29	1.25	0.59	0.37	1.71	0.21	0.06	16.91	5.17	2.79	0.22	0.07	0.45	5.82	113.66
HH0885	577787	6517186	5.4	3.46	120.75	46.79	2.29	1.06	0.77	3.38	0.39	0.11	36.86	11.44	5.83	0.43	0.13	0.86	10.67	241.76
HH0886	577582	6517188	6.9	2.87	67.19	31.67	1.11	0.49	0.41	1.73	0.18	0.05	20.30	6.44	3.05	0.21	0.06	0.37	5.30	138.57
HH0887	577380	6517189	11	3.46	94.96	41.87	1.58	0.68	0.60	2.43	0.26	0.08	28.69	9.09	4.37	0.30	0.09	0.52	7.39	192.91
HH0888	577188	6517191	11.6	3.92	81.20	40.58	1.99	0.92	0.67	2.88	0.33	0.10	29.74	8.98	4.66	0.36	0.12	0.69	10.15	183.36
HH0889	576987	6517194	6.7	3.42	26.41	9.12	0.82	0.40	0.24	1.06	0.14	0.05	8.49	2.39	1.59	0.15	0.06	0.35	3.78	55.06
HH0890	576791	6517194	3.2	3.72	85.13	30.38	2.24	1.06	0.63	2.79	0.39	0.11	23.91	7.16	4.33	0.40	0.13	0.87	10.34	169.85
HH0891	576769	6517383	3	1.805	51.72	24.04	1.42	0.59	0.42	1.95	0.23	0.05	17.38	5.28	3.00	0.26	0.07	0.44	6.16	113.02
HH0892	576771	6517614	4.1	3.28	77.63	24.39	1.45	0.65	0.47	2.14	0.24	0.07	18.84	5.75	3.37	0.28	0.08	0.53	6.22	142.11
HH0893	576772	6517803	9.3	6.6	68.67	17.65	1.55	0.76	0.48	1.95	0.27	0.09	15.80	4.53	2.96	0.27	0.10	0.65	7.25	122.98
HH0894	576701	6517930	6.8	3.65	47.17	10.58	0.93	0.47	0.27	1.16	0.16	0.06	9.00	2.63	1.68	0.16	0.06	0.39	4.50	79.22
HH0895	576491	6517931	6.9	3.15	48.15	19.00	1.37	0.67	0.42	1.90	0.25	0.07	15.86	4.66	2.77	0.25	0.09	0.55	7.48	103.49
HH0896	576283	6517935	7	3.97	97.41	35.77	1.66	0.82	0.58	2.59	0.29	0.10	26.71	8.20	4.41	0.32	0.10	0.67	8.42	188.06
HH0897	576078	6517935	3.3	2.9	98.39	41.17	1.73	0.76	0.60	2.90	0.28	0.08	31.26	9.51	5.20	0.34	0.09	0.57	7.67	200.55
HH0898	575878	6517937	2.8	2.56	134.51	57.23	2.81	1.18	0.92	4.98	0.46	0.13	46.77	14.08	8.28	0.59	0.15	0.93	12.55	285.57
HH0899	575698	6517938	4.6	3.47	136.97	64.97	2.69	1.08	0.76	4.92	0.42	0.12	48.41	14.62	8.44	0.56	0.14	0.87	11.58	296.55
HH0901	575479	6517940	4.8	3.28	132.05	61.22	2.61	1.06	0.80	4.81	0.42	0.11	49.22	14.74	8.27	0.54	0.13	0.78	11.51	288.26
HH0902	575279	6517945	2.3	1.815	60.19	29.09	1.47	0.63	0.47	2.37	0.24	0.06	22.22	6.68	3.82	0.29	0.08	0.44	6.63	134.68
HH0903	575088	6517945	2	1.045	30.22	8.69	0.51	0.20	0.14	0.71	0.08	0.02	6.45	1.96	1.13	0.10	0.03	0.15	2.11	52.50
HH0904	574672	6516993	5.9	5.3	51.10	19.23	1.39	0.64	0.39	2.10	0.23	0.08	16.39	4.80	2.99	0.26	0.08	0.55	6.48	106.70
HH0905	574449	6516997	3	1.14	32.43	7.53	0.46	0.20	0.12	0.64	0.07	0.02	5.21	1.62	0.97	0.09	0.02	0.14	1.93	51.45
HH0906	574243	6516997	6.9	2.94	41.77	14.78	1.22	0.61	0.38	1.67	0.22	0.06	13.76	3.94	2.50	0.22	0.08	0.50	6.06	87.76
HH0907	574040	6516999	7.1	5.3	167.06	10.27	1.35	0.66	0.32	1.71	0.23	0.07	12.36	3.37	2.46	0.24	0.08	0.56	5.91	206.65
HH0908	573830	6516999	3.4	3.11	90.90	42.34	2.88	1.18	0.46	3.55	0.47	0.09	29.28	8.81	5.07	0.53	0.14	0.81	14.16	200.65
HH0909	573633	6517002	5.1	2.98	112.89	51.25	3.62	1.69	0.94	4.31	0.61	0.18	38.84	11.38	6.42	0.64	0.21	1.32	18.99	253.29
HH0910	573424	6517005	2.3	2.14	171.36	68.61	3.97	1.70	1.23	5.41	0.63	0.17	58.67	17.40	9.18	0.75	0.21	1.34	16.57	357.20
HH0911	573229	6517007	3.2	3.47	141.88	66.03	4.49	2.18	0.89	5.14	0.78	0.23	47.12	14.08	7.63	0.76	0.28	1.74	24.32	317.52
HH0912	573026	6517008	6.4	2.47	30.10	10.12	0.98	0.48	0.25	1.14	0.17	0.06	9.47	2.67	1.65	0.17	0.06	0.42	4.79	62.52
HH0913	572836	6517011	7.1	3.95	46.92	15.66	1.46	0.73	0.32	1.67	0.26	0.09	14.41	4.12	2.48	0.25	0.10	0.64	7.48	96.58
HH0914	572630	6517012	6.4	4.9	81.20	22.87	2.75	1.52	0.48	2.86	0.50	0.21	22.80	6.57	4.14	0.45	0.22	1.50	13.52	161.60
HH0915	572440	6516983	5.2	4.17	89.55	30.49	2.55	1.27	0.52	3.00	0.45	0.13	26.01	7.72	4.28	0.44	0.16	1.01	12.83	180.40
HH0916	572376	6516804	9.7	7.17	164.61	12.78	1.25	0.65	0.27	1.39	0.22	0.07	11.90	3.42	2.07	0.22	0.09	0.55	5.59	205.07
HH0917	572375	6516584	5.6	2.54	33.54	9.83	0.79	0.42	0.20	0.98	0.14	0.05	8.26	2.44	1.39	0.14	0.05	0.35	3.95	62.50
HH0918	572258	6516447	4.8	2.62	47.91	14.60	1.04	0.56	0.25	1.30	0.18	0.06	11.84	3.48	1.90	0.19	0.07	0.46	5.50	89.35
HH0919	572059	6516448	5.4	5.99	113.38	28.38	1.96	0.99	0.38	2.30	0.35	0.11	19.95	5.92	3.32	0.35	0.13	0.87	10.55	188.93
HH0920	571839	6516449	1	0.665	26.53	11.39	0.66	0.30	0.13	0.79	0.11	0.03	7.46	2.25	1.16	0.12	0.04	0.24	3.47	54.69
HH0921	571643	6516452	3.2	2.81	165.83	67.91	5.18	2.87	1.00	5.80	0.96	0.31	54.12	16.01	8.64	0.87	0.40	2.48	31.87	364.24
HH0922	571452	6516454	3.4	1.93	88.32	40.11	3.45	2.02	0.55	3.79	0.66	0.20	30.91	9.01	5.11	0.58	0.26	1.66	21.52	208.17
HH0923	571248	6516452	4.4	3.91	136.35	52.89	5.13	3.10	0.69	5.18	1.02	0.33	40.71	11.62	6.70	0.82	0.43	2.62	33.14	300.72
HH0924	571043	6516453	2.3	1.785	55.28	22.34	2.20	1.23	0.34	2.26	0.42	0.13	18.60	5.28	3.18	0.36	0.17	1.04	13.21	126.03
HH0926	570847	6516458	13	6.83	339.04	51.02	4.80	2.58	1.17	5.38	0.85	0.34	50.39	14.44	8.73	0.84	0.37	2.56	23.18	505.70
HH0927	570665	6516463	7	4.32	216.81	66.50	3.09	1.37	0.90											

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0932	564714	6511893	2.4	1.115	11.36	3.35	0.29	0.14	0.08	0.37	0.05	0.02	2.97	0.84	0.51	0.05	0.02	0.12	1.39	21.57
HH0933	564718	6512090	2.5	1.17	9.93	3.15	0.28	0.14	0.08	0.33	0.05	0.02	2.78	0.77	0.45	0.05	0.02	0.12	1.28	19.44
HH0934	564718	6512311	3.1	1.79	45.94	12.43	0.91	0.44	0.24	1.16	0.16	0.05	10.00	2.91	1.63	0.16	0.05	0.35	4.51	80.94
HH0935	564718	6512512	5.5	3.66	99.38	39.64	2.01	0.89	0.56	2.96	0.33	0.09	30.09	8.87	4.71	0.38	0.10	0.65	9.12	199.76
HH0936	564706	6512710	2.5	1.515	59.33	25.92	1.47	0.64	0.34	2.03	0.24	0.05	19.83	5.90	3.25	0.27	0.08	0.42	6.97	126.75
HH0937	564705	6512909	2.5	1.29	85.62	42.57	1.45	0.55	0.28	2.49	0.22	0.04	27.64	8.57	4.24	0.30	0.06	0.32	6.16	180.51
HH0938	564706	6513107	3.9	1.965	95.82	44.92	1.94	0.80	0.40	2.97	0.31	0.07	31.26	9.33	4.70	0.39	0.09	0.50	8.95	202.44
HH0939	564708	6513310	3.2	1.51	75.92	36.12	1.42	0.54	0.31	2.12	0.22	0.04	24.49	7.36	3.59	0.28	0.06	0.33	6.24	159.06
HH0940	564709	6513538	2.2	1.085	34.89	14.25	0.71	0.29	0.18	0.99	0.11	0.03	10.17	3.07	1.53	0.14	0.03	0.21	3.15	69.74
HH0941	564711	6513708	1.3	0.527	12.78	5.71	0.30	0.13	0.08	0.40	0.05	0.01	3.99	1.23	0.61	0.06	0.02	0.10	1.33	26.77
HH0942	564711	6513915	3.5	1.15	21.99	8.81	0.56	0.25	0.16	0.75	0.09	0.02	6.50	1.96	1.07	0.10	0.03	0.16	2.67	45.12
HH0943	564713	6514103	3.9	1.63	25.80	11.11	0.61	0.27	0.15	0.88	0.11	0.03	8.35	2.43	1.35	0.12	0.03	0.22	3.02	54.48
HH0944	564713	6514312	8.9	6.27	33.04	7.15	0.77	0.38	0.21	0.99	0.13	0.05	7.01	1.95	1.43	0.13	0.05	0.34	3.14	56.77
HH0945	564715	6514527	5	2.71	47.42	19.64	1.36	0.63	0.38	1.88	0.24	0.07	15.45	4.54	2.75	0.25	0.08	0.50	6.63	101.82
HH0946	564718	6514721	4	2.12	60.68	27.56	1.54	0.63	0.43	2.35	0.24	0.06	21.11	6.26	3.65	0.29	0.07	0.44	6.59	131.91
HH0947	564722	6514907	2	0.973	36.61	17.01	0.63	0.20	0.11	1.09	0.09	0.01	11.38	3.54	1.81	0.13	0.02	0.13	2.39	75.15
HH0948	564720	6515109	4.1	1.65	53.31	24.98	1.31	0.54	0.37	1.94	0.21	0.05	17.79	5.45	3.10	0.25	0.06	0.38	5.93	115.68
HH0949	564724	6515303	2.9	1.25	121.37	48.32	2.23	0.90	0.54	3.05	0.35	0.09	31.14	9.71	4.92	0.41	0.12	0.72	9.26	233.13
HH0951	564724	6515528	2.8	1.095	39.68	19.70	0.87	0.33	0.18	1.37	0.13	0.03	13.59	4.17	2.16	0.17	0.04	0.24	3.77	86.44
HH0952	564725	6515719	0.9	0.523	43.61	21.34	0.60	0.20	0.09	1.19	0.08	0.01	13.76	4.35	1.98	0.14	0.02	0.11	2.39	89.88
HH0953	564727	6515917	2.3	0.909	67.19	34.25	1.03	0.36	0.16	1.93	0.15	0.03	22.45	6.94	3.50	0.21	0.04	0.24	4.08	142.57
HH0954	564728	6516115	1.6	0.66	26.66	12.72	0.52	0.20	0.11	0.82	0.08	0.02	8.55	2.65	1.37	0.10	0.02	0.14	2.33	56.28
HH0955	564726	6516317	2.1	0.985	28.74	14.13	0.55	0.21	0.12	0.89	0.09	0.02	9.12	2.86	1.39	0.11	0.03	0.15	2.59	61.01
HH0956	564684	6516518	9.1	2.02	59.21	45.50	1.99	0.87	0.40	2.80	0.34	0.07	26.48	8.14	4.07	0.35	0.10	0.55	11.30	162.17
HH0957	564715	6516746	5.8	2.46	69.16	20.23	1.15	0.51	0.21	1.53	0.19	0.05	12.54	3.90	2.23	0.21	0.07	0.41	5.79	118.18
HH0958	564822	6516867	11.4	2.33	53.19	24.16	1.38	0.55	0.21	1.86	0.22	0.04	14.87	4.68	2.62	0.27	0.06	0.31	6.54	110.96
HH0959	564943	6517012	2.7	1.035	52.45	29.67	1.04	0.41	0.21	1.75	0.17	0.03	17.90	5.58	2.81	0.21	0.05	0.27	4.75	117.30
HH0960	564993	6517231	2.7	1.26	24.94	6.46	0.37	0.15	0.07	0.49	0.06	0.01	4.21	1.29	0.72	0.07	0.02	0.11	1.64	40.62
HH0961	565006	6517416	2.6	1.745	16.34	7.06	0.45	0.22	0.07	0.58	0.08	0.02	5.00	1.52	0.85	0.08	0.03	0.16	2.23	34.69
HH0962	564924	6517627	2.2	1.145	49.50	23.57	1.16	0.46	0.17	1.78	0.19	0.04	16.33	5.05	2.73	0.23	0.05	0.28	5.05	106.59
HH0963	564876	6517817	2.5	2.69	96.31	6.23	0.39	0.18	0.07	0.53	0.06	0.02	4.60	1.41	0.81	0.08	0.02	0.15	1.63	112.48
HH0964	564873	6518028	6	3.49	27.64	8.09	0.60	0.27	0.14	0.71	0.10	0.03	5.93	1.80	1.04	0.10	0.03	0.23	2.64	49.35
HH0965	564878	6518217	8.4	5.21	99.38	8.08	0.62	0.29	0.16	0.77	0.11	0.04	6.61	1.94	1.14	0.11	0.04	0.27	2.74	122.28
HH0966	564879	6518423	2.5	1.38	27.39	5.39	0.44	0.19	0.09	0.52	0.07	0.02	4.04	1.23	0.77	0.08	0.02	0.15	1.75	42.17
HH0967	564882	6518630	1.3	0.79	9.19	3.47	0.24	0.10	0.06	0.31	0.04	0.01	2.47	0.77	0.45	0.04	0.01	0.09	1.11	18.38
HH0968	564881	6518834	2.1	0.968	17.81	8.01	0.45	0.19	0.12	0.61	0.08	0.01	5.45	1.69	0.92	0.09	0.02	0.14	2.13	37.73
HH0969	564882	6519039	4.1	2.22	14.62	5.49	0.40	0.20	0.09	0.56	0.07	0.02	4.50	1.32	0.84	0.08	0.03	0.17	1.83	30.20
HH0970	564883	6519235	2	1	18.98	8.40	0.54	0.22	0.12	0.74	0.09	0.02	6.10	1.85	1.10	0.10	0.03	0.16	2.34	40.77
HH0971	564887	6519440	3.3	1.525	20.33	7.28	0.49	0.21	0.10	0.63	0.08	0.02	5.34	1.62	0.96	0.09	0.02	0.17	2.08	39.44
HH0972	564888	6519639	1.7	1.605	90.90	44.33	2.77	1.11	0.51	3.80	0.45	0.09	29.74	9.15	5.18	0.52	0.12	0.67	13.14	202.49
HH0973	564891	6519838	2.8	1.71	27.64	9.84	0.57	0.23	0.09	0.77	0.09	0.03	7.22	2.17	1.17	0.10	0.03	0.19	2.39	52.52
HH0974	564890	6520037	5.1	4.55	50.86	21.52	0.89	0.29	0.13	1.45	0.12	0.03	14.58	4.52	2.38	0.19	0.04	0.25	2.93	100.19
HH0977	564891	6520240	3.9	2.2	35.62	8.80	0.96	0.45	0.23	1.04	0.16	0.05	7.70	2.28	1.59	0.17	0.06	0.36	4.00	63.46
HH0978	564892	6520460	4.2	2.5	29.48	6.59	0.55	0.25	0.13	0.67	0.09	0.03	5.24	1.55	0.94	0.10	0.03	0.21	2.21	48.07
HH0979	564891	6520663	11.4	1.565	22.23	4.39	0.35	0.15	0.09	0.44	0.06	0.02	3.35	1.00	0.65	0.06	0.02	0.13	1.38	34.32
HH0980	564882	6520864	0.7	0.404	7.85	3.15	0.24	0.10	0.07	0.32	0.04	0.01	2.55	0.74	0.47	0.05	0.01	0.08	1.18	16.88
HH0981	564872	6521056	1.5	0.546	19.35	4.77	0.37	0.15	0.08	0.43	0.06	0.02	3.50	1.08	0.67	0.06	0.02	0.12	1.47	32.14
HH0982	564862	6521272	1.8	0.688	13.14	3.47	0.23	0.09	0.04	0.27	0.03	0.01	2.37	0.73	0.40	0.04	0.01	0.08	0.95	21.87
HH0983	564853	6521472	0.7	0.362	6.12	2.39	0.14	0.05	0.03	0.20	0.02	0.01	1.71	0.51	0.28	0.03	0.01	0.05	0.62	12.17
HH0984	564843	6521667	2.3	1.085	24.57	8.30	0.62	0.23	0.13	0.74	0.10	0.02	6.02	1.81	0.99	0.11	0.03	0.18	2.85	46.50
HH0985	564834	6521872	1	0.686	25.92	10.95	0.59	0.24	0.11	0.79	0.09	0.02	7.03	2.18	1.12	0.11	0.03	0.16	2.53	51.89
HH0986	564824	6522076	10.5	3.34	79.97	39.29	3.02	1.20	0.48	3.49	0.49	0.08	26.83	8.03	4.57	0.55	0.13	0.72	14.54	183.39
HH0987	564812	6522279	1.5	0.725	19.10	7.51	0.43	0.19	0.10	0.57	0.07	0.02	4.98	1.54	0.81	0.08	0.02	0.15	2.10	37.68
HH0988	564803	6522486	3.5	1.86	13.70	3.99	0.35	0.16	0.10	0.43	0.06	0.02	3.36	0.95	0.63	0.06	0.02	0.13	1.44	25.40
HH0989	564793	6522673	2.1	1.32	11.46	4.40	0.31	0.14	0.09	0.40	0.05	0.01	3.30	0.99	0.61	0.06	0.02	0.10	1.43	23.37
HH0990	564758	6522871	2.5	1.38	15.66	5.10	0.37	0.15	0.11	0.48	0.07	0.02	4.08	1.19	0.70	0.07	0.02	0.14	1.61	29.77
HH0991	564742	6523058	1.9	1.145	6.33	2.57	0.19	0.09	0.06	0.25	0.03	0.01	2.04	0.60	0.36	0.03	0.01	0.07	0.90	13.54
HH0992	564738	6523268	3.4	1.475	23.59	9.23	0.55	0.25	0.16	0.76	0.09	0.02	6.74	2.00	1.05	0.10	0.03	0.16	2.78	47.51
HH0993	564741	6523486	2.5	1.34	59.45	27.80	1.26	0.50	0.31	1.86	0.19	0.04	18.95	5.84	2.86	0.25	0.06	0.35	5.40	125.12
HH0																				



ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH0998	564748	6524477	4.1	2.15	16.89	5.14	0.36	0.17	0.11	0.49	0.06	0.02	3.94	1.14	0.66	0.07	0.02	0.13	1.71	30.92
HH0999	564748	6524671	6.8	2.49	42.87	8.02	0.83	0.38	0.24	1.01	0.14	0.04	7.56	2.14	1.41	0.15	0.05	0.32	3.53	68.68
HH1001	564750	6524882	2.4	0.976	25.55	9.39	0.51	0.20	0.14	0.71	0.08	0.02	6.75	2.04	1.07	0.10	0.02	0.16	2.37	49.11
HH1002	564750	6525079	2	0.891	35.01	8.42	0.49	0.19	0.11	0.67	0.08	0.05	6.02	1.79	0.95	0.09	0.03	0.16	2.06	56.12
HH1003	564754	6525292	3.3	2.84	64.00	29.67	2.01	0.82	0.47	2.74	0.32	0.08	21.40	6.34	3.86	0.38	0.10	0.59	8.72	141.53
HH1004	564755	6525484	5.5	3.39	49.63	22.69	1.70	0.73	0.43	2.32	0.28	0.08	17.67	5.15	3.13	0.32	0.09	0.55	7.48	112.25
HH1005	564754	6525695	5.6	5.81	80.09	37.06	3.26	1.57	0.93	4.01	0.58	0.16	29.28	8.07	5.17	0.58	0.19	1.16	17.02	189.12
HH1006	564757	6525885	5.1	8.83	29.60	9.36	1.08	0.53	0.32	1.28	0.20	0.07	9.27	2.51	1.77	0.19	0.07	0.51	5.00	61.78
HH1007	559135	6525936	6.4	4.19	50.73	20.88	1.58	0.73	0.50	2.14	0.27	0.08	17.15	4.82	3.04	0.29	0.08	0.54	7.82	110.65
HH1008	559137	6525709	4.5	2.65	69.28	22.52	1.94	0.85	0.61	2.59	0.32	0.09	20.47	5.75	3.66	0.35	0.11	0.64	8.76	137.95
HH1009	559137	6525511	4.8	2.21	33.41	11.90	1.01	0.42	0.30	1.52	0.16	0.05	11.90	3.36	2.17	0.20	0.06	0.36	3.85	70.68
HH1010	559134	6524241	1.4	0.954	4.88	2.19	0.17	0.08	0.05	0.24	0.03	0.01	1.77	0.51	0.30	0.03	0.01	0.07	0.87	11.21
HH1011	559132	6524041	1.1	0.607	3.37	1.42	0.13	0.06	0.03	0.15	0.02	0.01	1.18	0.35	0.21	0.02	0.01	0.05	0.59	7.60
HH1012	559132	6523834	1.8	0.983	12.84	3.65	0.40	0.20	0.11	0.48	0.07	0.03	3.49	0.97	0.70	0.07	0.03	0.18	1.71	24.92
HH1013	559129	6523631	2.2	1.24	18.98	6.90	0.59	0.27	0.18	0.76	0.10	0.03	5.86	1.67	1.05	0.11	0.04	0.23	2.72	39.47
HH1014	559129	6523434	1.7	1.165	10.90	3.65	0.36	0.17	0.09	0.41	0.06	0.02	3.29	0.91	0.62	0.06	0.02	0.13	1.38	22.05
HH1015	559128	6523232	2.4	1.165	13.21	4.52	0.38	0.20	0.11	0.49	0.07	0.02	3.81	1.10	0.71	0.07	0.02	0.16	1.78	26.65
HH1016	559126	6523027	1.9	1.185	40.91	17.42	0.97	0.36	0.22	1.49	0.14	0.03	13.01	4.00	2.24	0.19	0.05	0.26	4.10	85.38
HH1017	559920	6522192	2.1	0.982	46.31	23.46	1.09	0.41	0.21	1.83	0.17	0.03	15.86	4.86	2.68	0.22	0.04	0.26	5.22	102.66
HH1018	559921	6522419	1.3	0.562	61.42	30.14	0.98	0.29	0.12	1.99	0.14	0.02	20.47	6.26	3.43	0.23	0.03	0.16	4.06	129.75
HH1019	559921	6522617	3.5	1.81	45.21	19.59	1.17	0.47	0.29	1.78	0.19	0.05	15.16	4.57	2.70	0.23	0.06	0.36	5.87	97.68
HH1020	559921	6522820	6	2.26	59.58	26.15	1.74	0.73	0.43	2.55	0.29	0.08	20.94	6.15	3.73	0.33	0.09	0.57	8.50	131.85
HH1021	558594	6522989	3.3	1.685	39.19	15.07	1.38	0.59	0.40	1.89	0.23	0.05	14.17	4.02	2.61	0.26	0.07	0.40	6.81	87.14
HH1022	558823	6522990	1.2	0.629	15.60	6.54	0.43	0.18	0.12	0.59	0.07	0.02	4.96	1.46	0.89	0.08	0.02	0.13	2.20	33.30
HH1023	559009	6522987	1.7	0.739	23.95	9.92	0.54	0.21	0.12	0.84	0.08	0.02	7.34	2.24	1.23	0.11	0.03	0.16	2.40	49.19
HH1024	559218	6522990	1.8	0.997	46.92	20.76	1.03	0.37	0.21	1.65	0.16	0.03	15.16	4.62	2.55	0.21	0.04	0.28	4.38	98.38
HH1026	559407	6522990	2.2	1.1	55.89	24.75	1.18	0.45	0.25	1.92	0.18	0.04	17.61	5.40	2.99	0.24	0.05	0.31	5.23	116.50
HH1027	559612	6522989	7	2.92	96.31	41.40	2.75	1.13	0.69	3.88	0.45	0.12	32.43	9.59	5.80	0.53	0.14	0.85	13.21	209.28
HH1028	559824	6522985	3.5	1.785	79.35	34.01	1.89	0.74	0.45	2.89	0.30	0.07	25.78	7.74	4.45	0.38	0.09	0.55	8.88	167.57
HH1029	560018	6522983	5.1	2.27	43.61	19.12	1.49	0.62	0.36	2.10	0.24	0.06	15.75	4.55	2.88	0.27	0.08	0.48	7.26	98.87
HH1030	560222	6522982	9.6	3.12	71.74	33.19	2.77	1.21	0.74	3.76	0.47	0.12	26.71	7.77	4.96	0.52	0.15	0.92	14.60	169.62
HH1031	560415	6522982	2.3	1.31	53.80	25.22	1.31	0.49	0.27	2.14	0.20	0.04	18.43	5.52	3.22	0.27	0.06	0.34	5.98	117.31
HH1032	560620	6522981	1.5	0.79	31.32	14.25	0.65	0.23	0.11	1.09	0.10	0.02	10.38	3.12	1.70	0.14	0.03	0.16	2.88	66.18
HH1033	560811	6522979	2.1	1.115	53.93	25.92	0.91	0.26	0.15	1.73	0.13	0.02	16.62	5.12	2.56	0.19	0.03	0.15	3.35	111.08
HH1034	561015	6522980	1.7	0.956	29.73	13.55	0.59	0.21	0.13	1.00	0.08	0.02	9.84	3.03	1.63	0.12	0.03	0.16	2.68	62.80
HH1035	561218	6522979	2.3	2.37	57.98	26.51	1.64	0.70	0.38	2.35	0.26	0.07	21.00	6.28	3.55	0.31	0.09	0.55	7.77	129.43
HH1036	561429	6522981	4.6	2.72	118.29	60.75	3.42	1.37	0.91	5.09	0.56	0.10	42.69	12.75	7.40	0.67	0.16	0.90	18.03	273.10
HH1037	561616	6522981	7.7	3.31	175.05	84.68	5.31	2.42	1.37	7.86	0.93	0.23	71.15	21.39	12.23	1.00	0.30	1.76	29.72	415.39
HH1038	561807	6522979	6.1	2.83	176.89	88.78	4.52	1.97	1.24	7.24	0.76	0.18	68.12	20.42	11.12	0.87	0.23	1.40	23.75	407.50
HH1039	562024	6522976	1.3	0.513	25.67	11.65	0.45	0.15	0.09	0.85	0.06	0.01	8.19	2.53	1.35	0.10	0.02	0.09	1.92	53.12
HH1040	562226	6522976	4	0.866	61.54	32.96	0.95	0.27	0.16	1.91	0.14	0.02	20.76	6.38	3.27	0.22	0.03	0.16	4.03	132.79
HH1041	562424	6522974	4.8	1.655	124.68	62.63	2.04	0.57	0.31	3.95	0.28	0.04	41.87	12.93	6.55	0.46	0.06	0.32	8.08	264.77
HH1042	562623	6522973	1.8	0.723	51.47	26.27	0.77	0.24	0.13	1.47	0.11	0.02	16.74	5.26	2.54	0.17	0.03	0.14	3.25	108.59
HH1043	562829	6522974	3.5	1.235	78.37	40.93	1.31	0.45	0.31	2.25	0.20	0.04	25.31	7.93	3.55	0.27	0.05	0.29	6.25	167.50
HH1044	563027	6522972	5.5	2.83	54.42	22.34	1.42	0.60	0.35	1.84	0.24	0.06	16.80	5.13	2.74	0.26	0.07	0.45	6.78	113.52
HH1045	563250	6522973	2.2	1.25	19.35	7.28	0.48	0.20	0.12	0.67	0.08	0.02	5.70	1.70	1.02	0.09	0.03	0.17	2.17	39.08
HH1046	563464	6522971	2.1	0.99	18.79	7.78	0.53	0.22	0.16	0.76	0.09	0.02	6.14	1.81	1.05	0.10	0.03	0.16	2.64	40.28
HH1047	563657	6522969	1.6	1.215	12.65	4.95	0.33	0.14	0.10	0.46	0.06	0.01	3.73	1.13	0.61	0.06	0.02	0.11	1.45	25.81
HH1048	563849	6522965	4.8	3.46	64.74	5.92	0.82	0.39	0.22	0.92	0.14	0.05	6.59	1.84	1.32	0.14	0.06	0.40	3.34	86.89
HH1049	564045	6522969	0.6	0.497	16.03	6.43	0.36	0.15	0.09	0.52	0.06	0.01	4.91	1.52	0.80	0.07	0.02	0.11	1.65	32.73
HH1051	564259	6522967	0.8	0.66	39.19	13.78	0.52	0.18	0.10	0.86	0.08	0.01	9.18	2.90	1.40	0.11	0.02	0.13	2.23	70.68
HH1052	564449	6522966	3.3	2.16	27.02	6.64	1.44	0.86	0.23	1.26	0.28	0.10	8.00	2.17	1.66	0.22	0.12	0.82	7.09	57.92
HH1053	564650	6522964	1.4	1.32	6.57	2.84	0.23	0.10	0.07	0.29	0.04	0.01	2.52	0.74	0.46	0.04	0.01	0.08	1.03	15.04
HH1054	564855	6522965	2.3	1.395	23.89	8.30	0.59	0.26	0.17	0.75	0.10	0.03	6.61	1.99	1.07	0.11	0.03	0.20	2.92	47.03
HH1055	565061	6522963	1.8	0.678	14.25	3.89	0.26	0.11	0.06	0.33	0.04	0.01	2.82	0.86	0.44	0.05	0.01	0.08	1.22	24.45
HH1056	567461	6515967	1.7	0.994	50.12	23.28	1.45	0.62	0.25	2.07	0.23	0.06	17.85	5.41	3.06	0.28	0.08	0.45	6.91	112.09
HH1057	567684	6515967	5.1	2.24	119.03	54.18	4.77	2.22	0.87	5.71	0.82	0.22	43.97	12.99	7.70	0.84	0.29	1.71	27.30	282.62
HH1058	567890	6515967	6.5	2.72	158.46	65.32	5.16	2.39	0.88	6.57	0.90	0.23	53.77	16.07	9.13	0.94	0.30	1.81	29.84	351.78
HH1059	568086	6515965	2.5	0.964	36.73	18.65	0.83	0.32	0.18	1.20	0.13	0.03	11.55	3.66	1.88	0.1				

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH1064	568933	6515774	4.8	4.59	89.92	26.04	2.72	1.45	0.52	2.78	0.49	0.18	22.69	6.94	4.07	0.45	0.20	1.32	14.03	173.78
HH1065	569140	6515777	3.9	1.505	23.71	6.44	0.54	0.27	0.13	0.61	0.09	0.03	5.58	1.68	1.01	0.10	0.04	0.24	2.46	42.93
HH1066	569339	6515775	2.3	2.23	153.55	59.93	3.27	1.62	0.57	3.98	0.55	0.13	41.87	13.11	6.68	0.58	0.21	1.14	16.64	303.81
HH1067	569546	6515774	2.1	1.24	143.11	58.29	3.33	1.49	0.47	4.03	0.53	0.11	39.77	12.75	6.39	0.61	0.18	1.05	15.75	287.85
HH1068	569753	6515771	1.3	0.795	169.52	84.56	3.96	1.88	0.76	4.83	0.67	0.18	52.25	17.04	7.61	0.72	0.26	1.53	23.24	368.99
HH1069	569951	6515770	0.8	0.618	63.63	25.92	1.30	0.59	0.27	1.68	0.21	0.05	17.15	5.51	2.63	0.23	0.08	0.45	6.64	126.35
HH1070	570144	6515769	1.6	1.685	206.37	90.31	5.35	2.42	1.08	6.69	0.87	0.19	67.53	21.99	10.82	0.99	0.31	1.69	26.29	442.89
HH1071	570334	6515766	1.2	1.07	173.82	86.20	4.02	1.64	0.86	5.23	0.61	0.11	57.97	19.39	8.78	0.76	0.19	1.06	18.67	379.30
HH1072	568527	6510987	2.8	1.53	82.67	43.16	1.50	0.56	0.26	2.89	0.23	0.05	28.58	8.82	4.43	0.32	0.07	0.37	7.58	181.27
HH1073	568634	6511215	3.7	2.09	74.81	33.66	1.14	0.45	0.21	1.97	0.18	0.04	22.45	7.12	3.44	0.25	0.05	0.31	5.22	151.29
HH1074	568718	6511390	3.1	1.01	96.55	50.78	1.42	0.55	0.20	2.37	0.22	0.04	30.56	9.94	4.33	0.29	0.06	0.34	7.31	204.98
HH1077	568804	6511591	6.2	3.32	58.72	20.99	1.12	0.58	0.24	1.46	0.19	0.06	14.75	4.35	2.28	0.20	0.07	0.50	5.78	111.29
HH1078	568861	6511787	1.4	0.548	45.70	21.76	0.58	0.22	0.11	1.14	0.09	0.02	14.41	4.35	2.08	0.13	0.03	0.15	2.46	93.21
HH1079	568912	6511958	2.2	0.704	43.24	23.16	0.84	0.33	0.21	1.35	0.13	0.04	14.11	4.26	2.09	0.17	0.04	0.29	3.91	94.20
HH1080	568944	6512156	3.2	0.825	61.17	32.72	0.86	0.41	0.19	1.60	0.14	0.04	19.65	6.03	2.70	0.18	0.06	0.37	4.64	130.78
HH1081	568973	6512366	1.3	0.591	26.78	9.36	0.44	0.22	0.15	0.67	0.08	0.03	6.49	1.93	1.01	0.09	0.03	0.20	2.18	49.65
HH1082	569044	6512543	2	0.829	42.26	36.00	1.15	0.49	0.37	1.85	0.19	0.07	19.07	5.91	2.64	0.22	0.07	0.46	6.55	117.31
HH1083	569124	6512726	1.4	1.15	116.21	64.50	2.17	0.91	0.68	3.60	0.36	0.13	37.44	11.15	5.52	0.45	0.11	0.84	10.43	254.50
HH1084	569202	6512911	1.1	0.841	68.42	31.20	1.32	0.53	0.32	1.78	0.21	0.05	19.30	6.10	2.95	0.25	0.06	0.36	5.60	138.45
HH1085	569277	6513089	1.3	0.704	51.72	16.77	0.86	0.37	0.22	1.09	0.14	0.03	11.28	3.54	1.71	0.16	0.05	0.27	3.85	92.05
HH1086	569364	6513298	2.8	1.22	18.98	4.89	0.45	0.23	0.11	0.47	0.08	0.03	4.11	1.17	0.72	0.08	0.03	0.23	1.74	33.32
HH1087	569440	6513480	1.2	0.58	11.61	4.64	0.31	0.14	0.09	0.39	0.05	0.02	3.41	1.00	0.59	0.06	0.02	0.11	1.43	23.86
HH1088	569515	6513666	0.4	0.21	3.51	1.61	0.10	0.04	0.02	0.13	0.02	0.00	1.13	0.32	0.18	0.02	0.01	0.04	0.41	7.54
HH1089	569590	6513841	2.6	1.045	33.90	8.94	0.83	0.37	0.20	0.93	0.13	0.03	7.56	2.16	1.29	0.15	0.04	0.27	3.35	60.16
HH1090	569670	6514024	3.2	2.02	29.85	7.47	0.60	0.29	0.17	0.79	0.10	0.03	6.49	1.85	1.13	0.12	0.03	0.22	2.60	51.76
HH1091	569752	6514224	2.9	0.666	16.71	9.75	0.31	0.14	0.11	0.53	0.05	0.02	5.56	1.74	0.80	0.06	0.02	0.12	1.63	37.54
HH1092	569826	6514406	3.3	1.925	83.04	36.94	1.85	0.91	0.52	2.77	0.32	0.10	27.53	7.91	4.16	0.35	0.12	0.74	10.27	177.53
HH1093	569907	6514592	3.9	1.895	82.92	33.07	1.32	0.61	0.39	2.03	0.23	0.07	22.45	6.84	3.21	0.25	0.08	0.50	6.73	160.71
HH1094	569977	6514762	3.6	2.97	77.51	19.76	1.33	0.70	0.40	1.72	0.23	0.08	16.80	4.83	2.59	0.24	0.09	0.60	6.63	133.51
HH1095	570060	6514958	5.8	2.21	41.15	9.01	0.82	0.40	0.21	0.96	0.14	0.05	8.06	2.30	1.46	0.15	0.05	0.39	3.56	68.71
HH1096	570138	6515141	2.5	1.085	28.50	9.97	0.61	0.30	0.16	0.81	0.11	0.03	7.55	2.18	1.18	0.11	0.04	0.24	3.04	54.83
HH1097	570218	6515335	1.9	0.89	39.80	12.96	0.85	0.38	0.21	1.13	0.14	0.03	10.35	3.07	1.66	0.16	0.05	0.27	3.91	74.97
HH1098	570288	6515512	1.7	0.853	25.31	6.59	0.39	0.18	0.09	0.47	0.06	0.02	4.12	1.29	0.74	0.07	0.02	0.15	1.70	41.19
HH1099	570338	6515722	1.1	1.14	114.00	51.84	2.69	1.14	0.60	3.68	0.43	0.09	38.26	11.28	5.73	0.50	0.14	0.82	12.00	243.20
HH1101	570405	6515897	1.3	1.41	145.57	65.09	3.57	1.45	0.82	4.67	0.57	0.10	45.02	13.77	6.98	0.68	0.16	0.95	15.43	304.83
HH1102	570484	6516086	1.3	1.275	182.42	86.55	3.36	1.27	0.86	4.69	0.52	0.08	50.16	16.01	7.26	0.67	0.14	0.76	15.75	370.50
HH1103	570560	6516266	4.8	3.73	80.95	28.85	1.89	0.85	0.47	2.35	0.31	0.08	22.22	6.67	3.42	0.35	0.11	0.66	9.08	158.26
HH1104	570638	6516452	7.5	4.07	205.14	63.80	3.80	1.34	0.88	4.10	0.49	0.14	46.07	14.08	6.92	0.59	0.17	1.05	13.33	361.10
HH1105	570717	6516637	7.6	5.03	194.70	62.39	3.58	1.76	0.91	4.70	0.63	0.18	45.72	13.71	7.17	0.68	0.23	1.46	17.65	355.48
HH1106	570801	6516840	5.9	4.15	174.43	79.87	4.56	2.02	0.96	5.91	0.77	0.17	56.80	17.04	8.59	0.85	0.24	1.43	21.52	375.16
HH1107	570877	6517018	3	2.43	170.13	78.34	4.03	1.80	0.96	5.56	0.66	0.16	55.75	16.73	8.33	0.76	0.21	1.29	19.94	364.65
HH1108	570950	6517194	4	3.19	238.31	90.07	5.45	2.46	1.49	7.53	0.93	0.22	75.23	22.96	11.71	1.03	0.30	1.81	26.67	486.16
HH1109	571031	6517381	1.1	0.669	26.16	12.08	0.62	0.26	0.14	0.80	0.10	0.02	7.77	2.39	1.21	0.12	0.03	0.18	3.11	54.99
HH1110	571139	6517641	1.9	0.803	32.80	15.19	1.03	0.46	0.25	1.26	0.17	0.05	11.47	3.48	1.81	0.19	0.06	0.41	5.56	74.17
HH1111	571213	6517818	4.3	1.09	59.70	17.77	1.12	0.50	0.33	1.46	0.19	0.04	13.41	4.08	2.20	0.21	0.06	0.34	5.28	106.68
HH1112	571290	6518019	0.9	0.501	13.64	5.98	0.26	0.11	0.08	0.41	0.04	0.01	3.88	1.20	0.60	0.05	0.01	0.08	1.28	27.62
HH1113	571306	6518219	4.9	2.36	43.49	14.25	0.89	0.42	0.25	1.13	0.15	0.04	10.39	3.11	1.66	0.16	0.05	0.30	4.44	80.74
HH1114	571306	6518419	8.5	4.03	46.19	10.29	0.78	0.40	0.23	1.04	0.14	0.05	9.27	2.57	1.53	0.14	0.05	0.38	3.87	76.94
HH1115	571312	6518652	4.1	2.11	21.87	6.23	0.48	0.23	0.13	0.60	0.08	0.03	5.28	1.49	0.89	0.08	0.03	0.20	2.24	39.85
HH1116	571312	6518879	6.9	3.75	52.08	11.07	0.95	0.52	0.29	1.26	0.18	0.08	10.82	3.00	1.92	0.17	0.07	0.53	4.30	87.25
HH1117	571312	6519092	6.8	4.34	138.81	57.00	2.87	1.30	0.91	4.38	0.50	0.15	41.41	12.32	6.78	0.56	0.16	1.00	14.86	283.01
HH1118	571316	6519315	1.6	1.3	55.77	28.85	1.19	0.46	0.36	2.06	0.19	0.04	19.19	5.88	3.11	0.26	0.05	0.31	5.54	123.26
HH1119	571315	6519528	3.3	1.96	127.75	63.57	3.42	1.46	0.82	4.92	0.57	0.12	46.42	13.89	7.60	0.67	0.17	0.96	16.89	289.22
HH1120	571315	6519716	6.9	3.34	144.34	52.07	2.71	1.15	0.77	4.06	0.43	0.13	41.41	12.44	6.99	0.54	0.15	0.96	11.92	280.08
HH1121	571319	6519919	4.6	2.12	114.24	46.21	2.63	1.14	0.78	3.96	0.44	0.11	37.67	11.22	6.35	0.52	0.13	0.85	12.34	238.61
HH1122	571319	6520128	2.2	1.26	66.46	32.60	1.41	0.58	0.38	2.14	0.22	0.05	22.45	6.74	3.48	0.28	0.07	0.41	6.69	143.96
HH1123	571322	6520326	1.6	1.045	39.19	15.77	0.65	0.23	0.15	1.10	0.10	0.02	11.43	3.48	1.82	0.13	0.03	0.17	2.67	76.94
HH1124	571323	6520516	2.3	1.99	41.64	15.07	0.77	0.32	0.21	1.13	0.13	0.03	11.35	3.40	1.86	0.15	0.04	0.25	3.62	79.96
HH1126	571313	6520727	1.8	1.635	79.97	33.19	1.53	0.62	0.41</											

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH1131	571216	6521701	5.5	2.5	31.32	5.99	0.64	0.31	0.19	0.78	0.11	0.04	5.84	1.63	1.13	0.12	0.04	0.25	2.72	51.12
HH1132	571237	6521901	6.1	2.23	26.66	8.40	0.92	0.44	0.26	1.14	0.16	0.05	8.41	2.33	1.62	0.16	0.06	0.38	4.10	55.10
HH1133	571256	6522095	4.7	1.275	25.43	5.57	0.58	0.27	0.18	0.75	0.10	0.03	5.44	1.50	1.06	0.11	0.03	0.19	2.34	43.56
HH1134	571095	6518442	1.4	0.888	27.52	11.06	0.46	0.19	0.13	0.69	0.07	0.01	7.53	2.26	1.15	0.09	0.02	0.11	2.29	53.59
HH1135	570873	6518444	2.3	1.96	58.72	29.91	1.69	0.76	0.33	2.17	0.29	0.05	21.17	6.22	3.61	0.31	0.08	0.40	8.14	133.84
HH1136	570678	6518444	1.6	0.785	28.25	10.11	0.48	0.19	0.15	0.67	0.08	0.02	6.80	2.13	1.11	0.09	0.02	0.15	2.34	52.59
HH1137	570481	6518446	1.8	1.595	156.62	71.89	4.90	2.33	1.03	6.10	0.85	0.17	55.17	16.37	9.07	0.89	0.28	1.59	25.91	353.17
HH1138	570273	6518443	1.8	1.155	50.49	24.04	1.38	0.58	0.32	1.71	0.23	0.04	16.21	5.11	2.76	0.26	0.07	0.36	6.83	110.38
HH1139	570069	6518445	1.6	1.67	36.73	14.37	0.74	0.35	0.20	1.02	0.12	0.04	10.37	3.11	1.54	0.14	0.04	0.28	4.56	73.62
HH1140	569852	6518446	6.6	7.17	46.92	9.07	0.53	0.25	0.15	0.74	0.09	0.03	7.02	2.08	1.14	0.10	0.03	0.18	2.81	71.13
HH1141	569659	6518451	2.6	2.22	266.56	121.97	6.48	2.68	1.70	9.39	1.06	0.22	94.13	29.24	14.61	1.26	0.31	1.83	30.48	581.91
HH1142	569460	6518451	1.4	1.365	197.77	100.98	3.36	1.23	0.94	5.83	0.53	0.09	67.30	21.63	9.97	0.72	0.13	0.74	14.60	425.83
HH1143	569260	6518452	1.5	1.18	83.41	41.87	1.50	0.54	0.45	2.72	0.23	0.04	30.56	9.50	4.59	0.33	0.06	0.33	6.30	182.44
HH1144	569051	6518451	1.6	1.02	65.35	26.86	1.45	0.61	0.42	2.17	0.25	0.07	22.16	6.54	3.30	0.30	0.08	0.45	6.82	136.82
HH1145	568861	6518454	4.8	2.31	59.33	26.15	1.95	0.86	0.55	2.71	0.33	0.08	25.31	7.18	3.88	0.38	0.11	0.58	8.84	138.25
HH1146	568668	6518446	5.5	1.855	92.01	44.10	1.54	0.63	0.54	2.44	0.26	0.06	29.39	8.83	3.94	0.33	0.07	0.40	7.30	191.84
HH1147	568464	6518409	6.4	1.835	218.66	99.57	3.01	1.19	1.02	4.81	0.49	0.10	59.25	18.85	7.35	0.64	0.14	0.74	15.05	430.86
HH1148	568269	6518381	6.8	2.02	127.75	70.25	2.22	0.87	0.64	3.54	0.35	0.08	39.07	12.44	4.88	0.47	0.09	0.49	11.14	274.30
HH1149	568074	6518362	4.1	1.24	99.99	59.11	1.75	0.71	0.54	2.72	0.29	0.07	33.24	10.46	4.27	0.36	0.08	0.46	9.30	223.36
HH1151	567864	6518359	5.6	3.17	105.64	67.55	3.41	1.54	0.96	4.77	0.59	0.16	47.12	13.89	6.63	0.68	0.19	1.04	18.16	272.36
HH1152	567663	6518363	4.1	1.21	42.87	24.75	1.12	0.51	0.31	1.58	0.19	0.05	15.51	4.72	2.16	0.22	0.07	0.35	6.02	100.42
HH1153	567453	6518363	1.8	1.07	76.53	40.81	2.16	0.89	0.68	3.16	0.35	0.08	31.49	9.36	5.03	0.42	0.11	0.65	10.54	182.27
HH1154	567261	6518365	6.4	3.98	211.90	89.37	3.80	1.58	1.15	5.58	0.62	0.14	61.00	18.55	8.75	0.73	0.18	1.06	19.62	424.01
HH1155	567045	6518369	5.8	3.96	42.26	10.51	0.75	0.35	0.22	0.99	0.12	0.04	8.95	2.54	1.46	0.13	0.04	0.28	3.75	72.39
HH1156	566858	6518368	5.8	2.87	39.92	7.95	0.57	0.27	0.17	0.75	0.10	0.04	6.47	1.87	1.16	0.10	0.03	0.23	2.57	62.20
HH1157	566646	6518370	5.9	1.795	54.42	9.19	0.80	0.35	0.27	1.08	0.13	0.03	8.78	2.43	1.61	0.15	0.04	0.24	3.52	83.06
HH1158	566447	6518373	2.3	1.26	32.68	6.57	0.41	0.18	0.13	0.54	0.07	0.02	5.10	1.49	0.82	0.08	0.02	0.13	1.94	50.16
HH1159	566250	6518374	2.7	1.99	21.44	6.90	0.53	0.26	0.17	0.69	0.09	0.03	5.89	1.73	1.04	0.09	0.03	0.20	2.53	41.62
HH1160	566049	6518375	4	2.14	27.52	7.26	0.61	0.29	0.19	0.80	0.10	0.03	6.65	1.86	1.17	0.10	0.04	0.23	2.91	49.74
HH1161	565845	6518378	7.2	2.93	25.43	8.34	0.62	0.28	0.19	0.84	0.10	0.03	6.73	1.93	1.16	0.11	0.04	0.24	3.16	49.19
HH1162	565644	6518382	4.2	2.09	33.17	10.78	0.78	0.36	0.23	0.99	0.13	0.04	8.70	2.55	1.45	0.14	0.04	0.29	3.97	63.63
HH1163	565449	6518383	2.1	1.265	12.78	4.15	0.25	0.11	0.07	0.33	0.04	0.01	2.87	0.86	0.48	0.05	0.01	0.09	1.30	23.41
HH1164	565243	6518383	5.1	3.28	50.36	12.37	0.93	0.44	0.30	1.23	0.16	0.05	10.07	2.92	1.68	0.17	0.05	0.34	4.64	85.71
HH1165	565049	6518383	4	2.09	21.01	3.82	0.25	0.10	0.06	0.32	0.04	0.01	2.81	0.80	0.46	0.04	0.01	0.08	1.06	30.89
HH1166	567114	6522165	6.3	2.86	93.24	21.23	2.21	1.15	0.67	2.85	0.40	0.14	22.92	6.20	4.07	0.40	0.15	0.95	11.73	168.31
HH1167	567114	6521968	10.5	7.59	68.67	8.34	1.01	0.54	0.26	1.10	0.18	0.08	8.51	2.31	1.58	0.16	0.08	0.56	4.67	98.06
HH1168	567110	6521753	7.5	8.58	192.86	28.50	1.59	0.70	0.48	2.13	0.26	0.08	21.29	6.20	3.36	0.29	0.09	0.57	7.64	266.03
HH1169	567107	6521529	1.3	1.15	78.13	29.79	1.66	0.74	0.49	2.29	0.27	0.07	22.28	6.75	3.54	0.30	0.09	0.55	8.15	155.10
HH1170	567132	6521341	2	1.375	141.88	51.60	3.28	1.42	0.92	4.54	0.53	0.14	44.21	13.05	7.07	0.61	0.17	1.01	16.13	286.56
HH1171	567306	6521269	1.8	1.375	91.02	37.30	1.67	0.67	0.56	2.50	0.27	0.06	27.18	8.29	4.16	0.32	0.08	0.49	7.54	182.10
HH1172	567340	6521080	1.2	0.839	106.01	45.97	2.33	0.96	0.75	3.35	0.38	0.09	34.29	10.16	5.24	0.44	0.11	0.67	11.31	222.08
HH1173	567340	6520869	1.6	0.917	64.00	28.85	1.50	0.67	0.48	2.22	0.25	0.06	21.99	6.56	3.39	0.30	0.08	0.48	6.97	137.78
HH1174	567337	6520670	0.7	0.639	47.91	20.11	0.85	0.35	0.27	1.30	0.14	0.03	14.46	4.41	2.13	0.16	0.04	0.26	4.15	96.58
HH1177	567336	6520466	0.8	0.532	33.78	14.89	0.61	0.24	0.19	0.87	0.10	0.02	10.37	3.13	1.46	0.12	0.03	0.18	2.86	68.85
HH1178	567335	6520271	0.8	0.656	48.89	22.22	0.83	0.35	0.29	1.30	0.13	0.03	15.05	4.57	2.15	0.17	0.04	0.24	4.09	100.34
HH1179	567331	6520066	3.6	1.855	192.86	116.69	3.66	1.60	1.09	5.58	0.60	0.13	68.82	22.71	8.95	0.69	0.18	1.06	21.91	446.53
HH1180	567332	6519868	4.4	1.91	165.83	84.91	2.55	1.09	0.93	4.35	0.42	0.09	54.47	16.61	7.50	0.51	0.12	0.72	13.84	353.95
HH1181	567332	6519661	5.4	1.755	172.59	100.39	3.08	1.21	1.08	5.36	0.50	0.10	65.55	20.06	8.92	0.62	0.13	0.77	15.81	396.16
HH1182	567329	6519471	11	2.36	215.58	114.70	3.14	1.25	1.09	5.43	0.49	0.10	71.85	23.50	9.40	0.64	0.13	0.79	15.81	463.91
HH1183	567329	6519265	2.3	1.325	154.78	74.47	2.63	1.02	0.84	4.28	0.41	0.08	49.22	15.28	6.93	0.52	0.12	0.70	11.92	323.22
HH1184	567327	6519053	1.5	1.005	63.51	30.02	1.32	0.59	0.39	2.01	0.22	0.06	22.04	6.52	3.33	0.25	0.07	0.42	6.53	137.27
HH1185	567325	6518848	2	1.32	43.98	17.65	0.97	0.41	0.30	1.40	0.16	0.04	13.88	4.12	2.25	0.18	0.05	0.32	4.20	89.90
HH1186	567306	6518669	9.7	2.58	119.65	45.27	2.03	0.92	0.53	2.84	0.35	0.08	27.53	8.48	4.23	0.38	0.11	0.69	10.57	223.65
HH1187	567323	6518457	6.3	4.42	89.92	37.53	2.11	0.92	0.72	3.35	0.35	0.11	33.59	9.52	5.37	0.42	0.12	0.80	9.26	194.08
HH1188	567331	6518268	5.6	2.43	134.51	72.24	2.67	1.07	0.80	4.18	0.44	0.09	44.91	13.77	6.47	0.53	0.12	0.67	13.84	296.33
HH1189	567355	6518046	4.8	2.71	90.53	37.30	1.91	0.84	0.61	2.73	0.31	0.07	26.59	8.07	4.13	0.35	0.10	0.59	9.59	183.73
HH1190	567375	6517845	3.4	2.77	104.29	36.71	1.73	0.73	0.52	2.50	0.27	0.06	24.14	7.47	3.75	0.33	0.09	0.54	8.60	191.74
HH1191	567395	6517650	0.8	1.36	60.93	31.31	1.07	0.48	0.32	1.56	0.18	0.04	17.67	5.63	2.54	0.21	0.06	0.34	5.21	127.55
HH1192	567416	6517445	1.4	2	128.98	61.22	3.05	1.32	0.77											

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH1197	567455	6516458	5	3.41	394.32	170.64	12.45	6.69	2.64	16.60	2.31	0.73	155.13	42.89	22.96	2.16	0.87	5.66	76.07	912.13
HH1198	567453	6516248	2.7	1.945	236.47	107.43	7.79	3.88	1.45	10.50	1.38	0.38	88.06	26.46	14.09	1.38	0.48	2.92	44.07	546.72
HH1199	567451	6516053	1.9	1.52	95.08	47.03	3.29	1.35	0.58	4.31	0.54	0.11	33.13	9.79	5.53	0.62	0.15	0.91	17.21	219.62
HH1201	567451	6515859	1.4	0.678	44.10	18.65	0.87	0.32	0.18	1.44	0.13	0.03	13.94	4.07	2.29	0.18	0.04	0.23	3.87	90.34
HH1202	567450	6515641	2.8	1.815	71.37	39.76	1.84	0.83	0.42	3.19	0.30	0.07	27.06	7.99	4.55	0.38	0.09	0.56	10.34	168.75
HH1203	567447	6515423	5.8	1.595	54.30	23.46	1.07	0.51	0.27	1.65	0.18	0.06	15.86	4.74	2.56	0.21	0.06	0.43	5.71	111.07
HH1204	567446	6515215	9.8	2.04	56.14	34.01	1.41	0.67	0.39	2.22	0.24	0.06	22.51	6.69	3.47	0.27	0.08	0.51	7.90	136.57
HH1205	567444	6515007	4.7	1.145	47.17	20.93	0.88	0.44	0.24	1.42	0.15	0.05	15.05	4.53	2.26	0.17	0.05	0.37	4.83	98.54
HH1206	567442	6514795	2.1	0.545	23.03	12.72	0.44	0.21	0.14	0.70	0.07	0.02	7.66	2.42	1.11	0.09	0.02	0.15	2.58	51.37
HH1207	567440	6514599	2.2	0.626	35.38	17.12	0.50	0.21	0.14	0.84	0.08	0.02	10.44	3.29	1.46	0.10	0.03	0.18	2.65	72.43
HH1208	567440	6514386	3.2	0.768	46.19	25.22	0.81	0.32	0.20	1.41	0.13	0.03	14.41	4.53	2.19	0.16	0.04	0.22	4.32	100.17
HH1209	567437	6514188	3.7	1.015	107.73	55.24	1.52	0.48	0.23	3.17	0.21	0.03	34.76	10.57	5.30	0.36	0.05	0.26	6.17	226.08
HH1210	567513	6514015	2.5	0.773	70.88	35.18	1.04	0.37	0.19	2.06	0.15	0.03	22.22	6.77	3.35	0.24	0.04	0.23	4.79	147.53
HH1211	567706	6513979	3.6	1.385	91.39	51.60	1.51	0.64	0.33	2.43	0.25	0.05	28.81	9.10	4.02	0.30	0.08	0.45	8.34	199.31
HH1212	567916	6513976	6.5	1.14	78.86	45.50	1.54	0.71	0.30	2.31	0.26	0.06	26.24	8.26	3.72	0.30	0.09	0.51	8.84	177.51
HH1213	568119	6513972	2.5	0.686	50.61	31.55	1.38	0.53	0.25	2.03	0.22	0.04	18.14	5.62	2.79	0.27	0.06	0.29	8.27	122.05
HH1214	568298	6513928	4	1.355	50.00	24.16	1.07	0.44	0.30	1.53	0.17	0.04	15.98	4.87	2.45	0.21	0.05	0.35	4.93	106.53
HH1215	568360	6513736	4.8	1.46	114.73	52.66	2.04	0.66	0.36	3.42	0.29	0.05	33.59	10.23	5.16	0.43	0.07	0.38	8.62	232.71
HH1216	568358	6513530	1.9	1.44	125.30	58.76	2.51	0.89	0.55	3.98	0.36	0.07	37.32	11.83	6.22	0.50	0.10	0.63	10.25	259.27
HH1217	568356	6513340	1.3	0.52	70.63	32.84	1.04	0.30	0.17	2.10	0.14	0.02	20.76	6.50	3.37	0.23	0.03	0.17	3.80	142.11
HH1218	568357	6513126	1.7	0.696	83.29	39.76	1.18	0.38	0.20	2.26	0.17	0.03	24.61	7.70	3.82	0.26	0.04	0.24	4.84	168.77
HH1219	568430	6512952	2.5	1.955	158.46	48.44	1.84	0.68	0.39	3.33	0.27	0.07	33.59	10.44	5.48	0.38	0.08	0.56	7.16	271.19
HH1220	568558	6512777	2.2	0.993	43.12	30.96	0.81	0.32	0.22	1.49	0.13	0.04	15.16	4.89	2.21	0.16	0.04	0.29	4.46	104.31
HH1221	568625	6512602	3.2	1.41	71.86	34.01	1.23	0.53	0.33	2.21	0.19	0.09	23.09	7.00	3.63	0.24	0.08	0.61	6.02	151.14
HH1222	568658	6512402	2.5	0.969	50.00	25.33	0.80	0.33	0.22	1.49	0.12	0.04	15.05	4.81	2.33	0.17	0.04	0.32	3.72	104.77
HH1223	568738	6512221	3.8	1.035	47.42	28.26	0.81	0.32	0.21	1.48	0.12	0.04	15.16	4.94	2.42	0.17	0.04	0.26	3.80	105.46
HH1224	568771	6512029	6.1	3.09	61.05	26.51	0.98	0.47	0.18	1.42	0.16	0.06	15.80	5.05	2.28	0.17	0.06	0.46	5.24	119.92
HH1226	570393	6515446	1.2	0.714	34.64	8.95	0.52	0.22	0.12	0.70	0.08	0.02	5.96	1.86	0.99	0.09	0.03	0.18	2.43	56.80
HH1227	570507	6515250	0.5	0.353	6.18	2.67	0.15	0.07	0.03	0.21	0.02	0.01	1.77	0.55	0.29	0.02	0.01	0.06	0.63	12.67
HH1228	570608	6515078	0.5	0.56	37.47	16.24	0.76	0.26	0.17	1.00	0.10	0.02	10.19	3.33	1.60	0.13	0.03	0.19	2.96	74.47
HH1229	570711	6514899	3.2	3.15	262.88	110.24	5.36	2.13	1.30	7.83	0.84	0.18	82.23	26.58	13.34	1.03	0.25	1.61	23.62	539.41
HH1230	570813	6514722	0.9	0.853	70.14	32.02	1.36	0.54	0.34	1.94	0.21	0.04	18.72	6.00	2.92	0.25	0.06	0.39	6.62	141.56
HH1231	570911	6514551	2.1	2.26	65.72	22.75	1.06	0.46	0.28	1.45	0.17	0.04	14.99	4.74	2.38	0.20	0.06	0.38	5.17	119.85
HH1232	571010	6514379	1	1.175	24.14	8.61	0.44	0.20	0.11	0.62	0.07	0.02	5.65	1.83	0.94	0.08	0.02	0.17	2.23	45.12
HH1233	571116	6514201	1.3	0.819	20.27	10.44	0.59	0.24	0.15	0.75	0.09	0.02	7.35	2.30	1.13	0.10	0.03	0.18	2.73	46.37
HH1234	571217	6514024	2.7	0.934	31.45	11.90	0.72	0.31	0.18	0.92	0.11	0.02	8.23	2.59	1.36	0.13	0.04	0.22	3.54	61.72
HH1235	571318	6513847	1.2	0.745	28.01	12.55	0.57	0.23	0.15	0.77	0.08	0.02	7.76	2.49	1.21	0.11	0.03	0.18	2.54	56.67
HH1236	571416	6513674	2	2.61	154.78	66.85	5.51	2.42	0.84	5.91	0.89	0.19	52.49	15.95	8.62	0.91	0.29	1.82	25.40	342.87
HH1237	571512	6513512	3.3	2.24	173.20	68.37	4.94	2.37	0.83	5.67	0.85	0.23	48.99	15.10	8.06	0.84	0.29	1.90	25.65	357.29
HH1238	571615	6513329	8	2.88	130.82	68.61	3.87	1.53	0.85	5.62	0.60	0.13	48.06	14.62	8.12	0.72	0.17	1.09	18.03	302.85
HH1239	571721	6513146	1.6	1.545	42.63	13.19	0.67	0.28	0.14	1.04	0.10	0.03	9.34	2.88	1.57	0.13	0.03	0.22	2.88	75.14
HH1240	571819	6512978	0.9	0.703	19.16	7.96	0.36	0.15	0.10	0.58	0.06	0.02	5.14	1.61	0.87	0.08	0.02	0.13	1.71	37.95
HH1241	571967	6512845	1.6	1.5	45.45	18.59	1.05	0.42	0.24	1.64	0.17	0.04	14.29	4.29	2.47	0.21	0.05	0.34	4.37	93.60
HH1242	572138	6512711	1.7	1.325	66.95	19.76	1.25	0.51	0.27	1.78	0.19	0.04	15.22	4.70	2.68	0.23	0.06	0.35	5.22	119.20
HH1243	572304	6512576	2.8	2.01	98.27	30.73	2.11	0.90	0.46	2.77	0.34	0.08	24.38	7.35	4.02	0.38	0.11	0.69	9.52	182.10
HH1244	572435	6512469	0.6	0.538	19.53	7.52	0.38	0.17	0.10	0.56	0.06	0.01	4.91	1.54	0.80	0.07	0.02	0.13	1.87	37.68
HH1245	572596	6512344	0.6	0.471	23.28	10.36	0.69	0.30	0.18	0.92	0.11	0.03	8.12	2.44	1.37	0.13	0.03	0.19	3.30	51.45
HH1246	572728	6512189	2.1	2.27	147.41	65.32	4.34	2.05	0.79	5.41	0.72	0.20	45.37	14.08	7.90	0.76	0.25	1.73	21.33	317.65
HH1247	572841	6512012	2.1	2.12	92.01	42.34	3.06	1.45	0.53	3.49	0.51	0.14	29.74	9.33	5.10	0.51	0.18	1.23	14.86	204.49
HH1248	572946	6511843	2	1.73	66.09	29.20	1.64	0.73	0.36	2.34	0.26	0.08	20.88	6.43	3.51	0.30	0.09	0.66	7.40	139.97
HH1249	573054	6511665	1.7	1.565	67.93	30.73	1.97	0.92	0.40	2.64	0.33	0.10	22.74	7.03	3.99	0.36	0.11	0.78	9.38	149.42
HH1251	573158	6511497	1.5	1.605	91.27	41.05	2.33	1.04	0.44	3.22	0.38	0.10	28.58	8.99	4.67	0.42	0.12	0.82	11.57	194.99
HH1252	573267	6511318	1.7	1.115	60.56	24.51	1.59	0.69	0.29	2.15	0.26	0.07	18.25	6.04	3.14	0.29	0.08	0.50	7.30	125.72
HH1253	573354	6511152	2.8	1.975	99.99	50.90	3.10	1.27	0.60	4.29	0.48	0.12	37.21	12.26	6.26	0.56	0.15	0.89	13.52	231.61
HH1254	573408	6510958	4.4	3.09	132.05	56.88	3.72	1.67	0.71	4.84	0.62	0.18	39.19	13.23	6.54	0.66	0.21	1.32	17.02	278.74
HH1255	573491	6510771	2.4	1.98	130.21	51.25	3.84	1.76	0.68	5.12	0.64	0.17	41.99	13.59	7.24	0.69	0.21	1.26	17.91	276.64
HH1256	573584	6510595	4	2.06	97.90	41.87	2.97	1.38	0.66	4.02	0.51	0.13	33.01	10.48	5.66	0.53	0.16	0.98	14.35	214.62
HH1257	573685	6510420	5.5	2.69	54.54	17.47	1.54	0.72	0.35	1.98	0.27	0.08	15.57	4.82	2.76	0.27	0.09	0.59	6.96	108.02
HH1258	582032	6514663	3.4	1.46	84.39	36.94	3.93													



ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH1263	582023	6513603	10.5	4.6	194.09	80.81	7.28	3.34	1.55	9.34	1.23	0.29	68.82	21.20	12.70	1.26	0.37	2.21	34.92	439.40
HH1264	582019	6513397	10.9	4.55	241.38	96.29	9.72	4.45	1.82	11.76	1.64	0.37	81.18	24.89	15.42	1.66	0.50	2.98	45.59	539.66
HH1265	582019	6513199	8.4	4.03	165.83	55.24	5.43	2.46	1.09	6.64	0.90	0.22	49.22	15.16	9.30	0.92	0.28	1.74	24.45	338.88
HH1266	582019	6513001	10.1	4.9	208.21	80.22	7.69	3.57	1.51	9.45	1.30	0.31	68.93	21.39	12.76	1.33	0.41	2.43	36.83	456.33
HH1267	581932	6512828	5.6	2.92	134.51	52.54	4.09	1.85	0.87	5.34	0.68	0.16	40.47	12.75	7.24	0.73	0.22	1.27	19.24	281.94
HH1268	581778	6512723	6.7	3.3	153.55	45.62	3.28	1.52	0.79	4.40	0.55	0.15	36.16	11.49	6.33	0.61	0.18	1.12	15.05	280.80
HH1269	581743	6512519	5.9	3.54	133.90	41.99	3.11	1.38	0.75	4.07	0.51	0.14	32.66	10.56	5.67	0.54	0.17	1.06	14.41	250.92
HH1270	581742	6512315	5.9	3.05	132.67	43.28	3.24	1.49	0.80	4.24	0.54	0.15	34.06	10.89	6.08	0.57	0.18	1.10	15.11	254.38
HH1271	581741	6512106	6.7	3.65	166.45	47.97	3.70	1.72	0.89	4.78	0.61	0.18	38.96	12.26	6.81	0.66	0.20	1.27	16.83	303.28
HH1272	581739	6511923	3.9	2.23	101.59	35.42	2.47	1.13	0.59	3.32	0.40	0.11	27.06	8.67	4.66	0.45	0.13	0.82	11.04	197.87
HH1273	581737	6511704	4.5	2.65	110.56	33.89	2.57	1.19	0.65	3.46	0.43	0.13	28.23	9.03	4.97	0.47	0.14	0.88	11.62	208.21
HH1274	581736	6511503	4.2	2.75	102.57	35.30	2.74	1.27	0.69	3.65	0.45	0.13	29.51	9.28	5.35	0.48	0.15	0.92	12.48	204.98
HH1277	581736	6511301	2.7	1.425	53.68	20.64	1.40	0.61	0.34	1.90	0.23	0.06	15.63	5.09	2.74	0.26	0.07	0.44	6.59	109.67
HH1278	581731	6511098	2.4	1.335	43.24	13.49	0.96	0.43	0.23	1.31	0.16	0.05	10.59	3.44	1.87	0.17	0.05	0.33	4.33	80.65
HH1279	581730	6510904	4.1	2.66	80.09	26.04	1.99	0.88	0.46	2.56	0.32	0.08	21.11	6.81	3.72	0.35	0.11	0.67	8.86	154.06
HH1280	581730	6510703	2.1	1.125	39.92	13.25	0.86	0.38	0.21	1.20	0.14	0.04	9.97	3.20	1.72	0.16	0.05	0.29	3.90	75.29
HH1281	581729	6510490	3.9	2.25	83.29	27.68	2.02	0.95	0.49	2.62	0.34	0.09	21.58	6.98	3.77	0.36	0.11	0.67	9.55	160.49
HH1282	581727	6510287	4.1	2.6	97.90	36.00	2.47	1.13	0.62	3.34	0.40	0.11	27.06	8.71	4.56	0.44	0.13	0.81	11.31	195.02
HH1283	581704	6510097	3.3	1.93	58.23	19.82	1.50	0.65	0.37	1.97	0.23	0.06	16.39	5.32	2.91	0.27	0.08	0.49	6.39	114.67
HH1284	581703	6509897	4.4	2.42	71.00	22.64	1.75	0.79	0.43	2.30	0.29	0.08	19.19	6.08	3.40	0.32	0.10	0.59	7.58	136.52
HH1285	581701	6509691	6.8	3.47	95.08	30.14	2.39	1.07	0.58	3.10	0.40	0.11	25.89	8.19	4.59	0.42	0.13	0.83	10.40	183.32
HH1286	581567	6509616	4.7	2.73	71.98	23.22	1.93	0.88	0.46	2.48	0.32	0.09	20.18	6.42	3.64	0.35	0.10	0.66	8.42	141.13
HH1287	581362	6509619	5.6	2.71	101.34	32.49	2.28	1.07	0.57	3.02	0.38	0.11	25.43	8.20	4.28	0.41	0.13	0.78	10.44	190.93
HH1288	581165	6509618	4	2.36	73.09	24.63	1.81	0.82	0.44	2.40	0.33	0.08	19.83	5.90	3.50	0.32	0.11	0.68	8.85	142.78
HH1289	580953	6509620	4.3	2.41	78.62	24.98	1.78	0.82	0.48	2.37	0.31	0.08	20.70	6.20	3.65	0.32	0.11	0.67	8.64	149.73
HH1290	580762	6509623	4.6	2.58	69.16	18.41	1.49	0.71	0.42	1.97	0.26	0.08	16.21	4.72	2.96	0.26	0.09	0.61	7.54	124.91
HH1291	580554	6509625	8.2	4.58	119.65	36.24	2.92	1.38	0.79	3.83	0.50	0.14	31.26	9.04	5.84	0.52	0.18	1.14	14.35	227.77
HH1292	580372	6509588	5.9	3.31	99.13	29.79	2.31	1.06	0.66	3.12	0.41	0.11	26.24	7.56	4.88	0.42	0.13	0.86	11.24	187.93
HH1293	584856	6509841	3.7	2.49	30.22	8.88	0.86	0.43	0.27	1.16	0.16	0.05	8.92	2.45	1.74	0.16	0.05	0.39	4.10	59.84
HH1294	584859	6510047	4.6	3.56	45.33	14.31	1.27	0.62	0.41	1.69	0.22	0.07	12.89	3.67	2.45	0.22	0.08	0.54	6.50	90.29
HH1295	584862	6510247	5.2	5.14	36.48	10.07	0.95	0.48	0.28	1.25	0.17	0.06	9.54	2.65	1.84	0.16	0.07	0.44	4.52	68.96
HH1296	584914	6510431	2.7	2.38	23.09	9.83	0.72	0.35	0.21	0.95	0.13	0.03	7.80	2.25	1.36	0.13	0.05	0.29	3.84	51.03
HH1297	585101	6510495	5.8	6.22	42.38	13.14	1.11	0.53	0.32	1.45	0.19	0.05	10.94	3.15	2.02	0.20	0.07	0.43	5.17	81.15
HH1298	585301	6510537	2.9	2.49	28.74	9.39	0.75	0.39	0.24	0.99	0.13	0.04	7.84	2.23	1.45	0.13	0.05	0.34	3.78	56.50
HH1299	585499	6510579	3.2	2.5	50.73	17.01	1.16	0.58	0.37	1.50	0.21	0.06	12.54	3.76	2.23	0.21	0.07	0.48	6.10	96.99
HH1301	585704	6510623	5.6	2.32	79.23	39.41	1.82	0.90	0.49	2.35	0.33	0.07	21.99	6.94	3.41	0.33	0.11	0.67	11.18	169.21
HH1302	585897	6510664	3.3	1.085	41.27	19.94	1.01	0.44	0.32	1.63	0.17	0.04	15.34	4.34	2.50	0.19	0.05	0.34	5.03	92.62
HH1303	586086	6510709	1.7	1.09	20.27	10.05	0.56	0.23	0.16	0.80	0.10	0.02	6.45	1.97	1.09	0.10	0.03	0.19	2.95	44.98
HH1304	586196	6513244	2.6	1.91	59.82	21.70	1.40	0.63	0.43	1.91	0.24	0.06	15.92	4.76	2.78	0.27	0.07	0.48	7.30	117.78
HH1305	586196	6513435	3.3	2.27	55.03	21.58	1.60	0.71	0.50	2.14	0.28	0.07	17.09	5.04	3.08	0.28	0.08	0.53	7.89	115.90
HH1306	586198	6513644	3.9	2.41	64.25	21.11	1.74	0.81	0.59	2.37	0.31	0.08	18.43	5.28	3.44	0.32	0.10	0.60	8.25	127.67
HH1307	586203	6513854	3.5	1.91	33.17	13.78	1.02	0.43	0.33	1.42	0.17	0.04	10.93	3.26	2.05	0.18	0.05	0.33	4.76	71.93
HH1308	586204	6514049	1.9	0.912	23.59	11.31	0.67	0.28	0.25	0.97	0.12	0.03	8.30	2.51	1.42	0.12	0.04	0.22	3.25	53.08
HH1309	586204	6514255	4.6	2.41	32.55	11.96	0.83	0.38	0.27	1.11	0.15	0.04	9.11	2.61	1.65	0.15	0.05	0.32	4.01	65.19
HH1310	586206	6514458	2.3	1.46	22.54	10.37	0.62	0.26	0.19	0.85	0.11	0.02	7.01	2.05	1.25	0.12	0.04	0.22	2.96	48.60
HH1311	586206	6514652	5.5	2.88	40.66	12.90	1.20	0.58	0.36	1.61	0.21	0.06	11.84	3.31	2.31	0.22	0.08	0.51	5.69	81.55
HH1312	589601	6514477	3.4	2.04	67.32	47.50	1.65	0.72	0.54	2.58	0.27	0.06	26.83	8.30	4.05	0.31	0.08	0.51	9.35	170.07
HH1313	589511	6514283	3.5	1.795	52.94	34.36	1.00	0.45	0.32	1.65	0.18	0.04	17.90	5.71	2.55	0.20	0.05	0.27	5.63	123.26
HH1314	589356	6514109	1.5	1.285	55.52	28.97	0.92	0.38	0.29	1.38	0.15	0.03	14.75	4.83	2.27	0.18	0.04	0.26	5.08	115.07
HH1315	589227	6513962	1.7	0.897	25.80	9.55	0.62	0.28	0.18	0.82	0.10	0.03	6.30	1.93	1.15	0.11	0.03	0.21	3.07	50.17
HH1316	589095	6513817	1.5	1.015	37.10	15.66	0.85	0.40	0.18	1.03	0.15	0.03	9.93	3.12	1.58	0.15	0.05	0.29	4.50	74.99
HH1317	588966	6513673	1.9	1.18	67.07	28.15	1.70	0.83	0.37	2.31	0.31	0.08	20.12	6.04	3.28	0.31	0.11	0.71	10.08	141.49
HH1318	588822	6513533	1.9	1.72	82.30	45.04	1.87	0.78	0.46	2.67	0.30	0.06	28.46	8.86	4.27	0.35	0.10	0.59	9.64	185.74
HH1319	588616	6513537	3.6	3.05	43.61	6.44	0.46	0.21	0.12	0.59	0.08	0.02	4.78	1.42	0.86	0.08	0.03	0.19	2.16	61.03
HH1320	588488	6513401	3.7	5.29	35.01	4.96	0.46	0.21	0.14	0.61	0.08	0.03	4.55	1.28	0.97	0.08	0.03	0.21	2.03	50.65
HH1321	588462	6513215	3.1	1.78	61.54	36.00	1.77	0.85	0.36	2.48	0.31	0.08	22.45	6.78	3.48	0.32	0.11	0.65	10.59	147.76
HH1322	588461	6512999	9.9	1.855	105.27	51.13	2.61	1.26	0.44	3.19	0.46	0.10	28.58	8.92	4.56	0.45	0.17	0.91	16.00	224.04
HH1323	588459	6512806	6	1.465	80.46	49.84	1.46	0.70	0.42	2.16	0.26	0.06	25.54	8.13	3.43	0.26	0.09	0.48	9.74	183.04
HH1324	588433	6512617	1.4	0.691	31.94	21.58	0.67	0.29	0.18											

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>2</sub> O <sub>3</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
HH1330	588227	6511649	3.7	1.86	50.61	28.62	0.86	0.32	0.24	1.41	0.14	0.04	16.68	5.26	2.37	0.17	0.04	0.23	3.80	110.76
HH1331	588263	6511456	2.6	2.61	122.10	90.42	3.86	1.64	0.68	5.74	0.67	0.11	54.12	16.37	8.09	0.70	0.19	0.99	21.72	327.42
HH1332	588297	6511266	7.5	3.65	206.37	107.08	6.85	2.62	1.15	9.94	1.12	0.20	81.18	23.38	14.26	1.27	0.30	1.63	30.73	488.08
HH1333	588360	6511072	1.5	1.995	139.42	68.37	2.75	1.11	0.63	3.99	0.45	0.08	43.04	13.65	6.49	0.52	0.13	0.69	12.83	294.17
HH1334	588358	6510889	2.5	2.3	63.51	28.38	1.32	0.57	0.31	1.80	0.23	0.05	16.97	5.34	2.71	0.25	0.06	0.40	5.96	127.85
HH1335	588327	6510706	4.2	3.08	34.64	14.19	1.03	0.44	0.19	1.32	0.18	0.03	10.25	3.07	1.79	0.18	0.05	0.29	5.09	72.75
HH1336	588325	6510509	8.8	6.72	116.82	60.52	3.66	1.74	0.87	4.85	0.65	0.19	42.69	12.50	7.06	0.64	0.22	1.29	20.45	274.16
HH1337	588322	6510289	2.2	1.235	63.02	29.91	1.47	0.60	0.37	2.06	0.24	0.05	18.95	5.91	3.11	0.27	0.07	0.44	6.54	133.01
HH1338	588321	6510094	4.2	2.12	48.52	30.61	2.17	0.96	0.41	2.82	0.38	0.08	21.17	6.07	3.73	0.37	0.12	0.68	11.82	129.92
HH1339	588319	6509883	3.5	1.555	106.87	52.54	2.70	1.20	0.68	4.06	0.46	0.11	40.71	12.08	6.62	0.52	0.15	0.85	13.65	243.20
HH1340	588318	6509685	3.9	4.52	105.27	45.15	3.44	1.41	0.75	4.81	0.57	0.16	39.66	11.39	7.07	0.63	0.18	1.11	14.10	235.71
HH1341	588316	6509482	2.7	1.69	18.43	4.95	0.31	0.13	0.07	0.41	0.05	0.01	3.35	0.98	0.57	0.06	0.02	0.09	1.44	30.87
HH1342	588315	6509287	1.1	0.576	9.67	5.48	0.21	0.09	0.10	0.33	0.04	0.01	3.28	1.01	0.52	0.04	0.01	0.07	1.05	21.89
HH1343	588313	6509083	3.2	1.3	80.83	47.97	0.90	0.40	0.33	1.97	0.14	0.05	25.66	8.13	3.49	0.19	0.05	0.27	4.41	174.78
HH1344	588310	6508880	3.1	1.395	77.88	38.23	0.53	0.24	0.29	1.12	0.09	0.03	19.36	6.42	2.18	0.11	0.03	0.18	3.00	149.69
HH1345	588310	6508678	2.7	1.81	32.80	8.84	0.62	0.32	0.17	0.84	0.11	0.04	6.53	1.93	1.06	0.11	0.04	0.24	2.92	56.58
HH1347	588310	6508479	9.8	4.03	48.40	9.91	0.63	0.29	0.16	0.75	0.12	0.03	6.02	1.89	1.05	0.11	0.04	0.24	3.16	72.80
HH1347	588305	6508274	4.6	4.87	40.78	19.00	0.83	0.39	0.26	1.16	0.15	0.04	10.57	3.31	1.69	0.15	0.05	0.31	4.28	82.95
HH1349	588303	6508087	1.3	1.5	21.01	10.47	0.45	0.20	0.13	0.62	0.08	0.02	5.89	1.85	0.94	0.08	0.02	0.14	2.07	43.97
NK001	559135	6525400	4.3	1.93	41.52	19.29	1.08	0.41	0.28	1.76	0.16	0.04	14.70	4.19	2.60	0.21	0.05	0.31	4.85	91.46
NK002	559133	6525305	7	3.34	94.34	51.02	2.74	1.06	0.88	4.81	0.44	0.12	42.11	11.88	7.20	0.58	0.13	0.85	13.02	231.17
NK003	559131	6525195	2.5	1.4	43.73	18.94	1.10	0.46	0.31	1.73	0.18	0.05	14.87	4.31	2.53	0.22	0.06	0.35	5.23	94.07
NK004	559132	6525101	5.8	2.49	85.25	39.76	2.17	0.95	0.67	3.42	0.36	0.09	30.79	8.76	5.26	0.41	0.12	0.71	11.23	189.95
NK005	559132	6524998	4.6	2.93	71.12	32.96	2.12	0.90	0.67	3.23	0.35	0.09	27.29	7.60	4.89	0.41	0.11	0.67	10.22	162.63
NK006	559132	6524906	2.6	1.685	71.37	34.48	1.82	0.65	0.52	2.86	0.28	0.06	25.89	7.45	4.43	0.36	0.08	0.46	7.73	158.45
NK007	559133	6524790	2.5	1.555	50.61	24.04	1.26	0.44	0.32	2.05	0.19	0.04	18.20	5.18	3.08	0.25	0.05	0.29	5.32	111.33
NK008	559133	6524699	2.1	1.215	44.35	19.18	0.97	0.36	0.24	1.55	0.15	0.03	13.65	3.99	2.30	0.20	0.04	0.22	4.29	91.50
NK009	559129	6524599	3.3	1.69	51.84	24.75	1.35	0.52	0.32	2.18	0.21	0.04	18.49	5.17	3.03	0.27	0.06	0.35	6.21	114.78
NK010	559130	6524481	1.7	2.12	8.01	3.53	0.31	0.13	0.10	0.43	0.05	0.02	3.51	0.96	0.66	0.05	0.02	0.13	1.28	19.18
NK011	586190	6512995	5.5	4.35	97.90	39.17	2.47	1.14	0.72	3.50	0.43	0.11	31.84	8.92	5.23	0.46	0.14	0.83	12.83	205.69
NK012	586190	6512890	3.9	3.19	139.42	48.44	3.39	1.55	1.00	4.59	0.57	0.15	41.29	11.80	6.95	0.63	0.19	1.15	16.76	277.87
NK013	586190	6512780	1.6	1.31	35.62	12.96	0.86	0.37	0.26	1.18	0.14	0.03	10.64	3.07	1.78	0.16	0.04	0.25	4.04	71.40
NK014	586191	6512699	2.6	2.04	50.49	24.04	1.64	0.70	0.57	2.34	0.28	0.06	20.30	5.58	3.40	0.30	0.08	0.50	8.41	118.68
NK015	586189	6512590	3.8	2.91	36.85	10.14	0.98	0.46	0.33	1.30	0.16	0.05	10.56	2.77	1.95	0.17	0.06	0.37	4.41	70.56
NK016	586191	6512500	2.9	2.45	47.05	15.54	1.35	0.62	0.44	1.82	0.24	0.06	14.70	3.99	2.47	0.25	0.08	0.48	6.49	95.57
NK018	586187	6512392	4	3.43	46.31	16.95	1.64	0.79	0.53	2.13	0.28	0.08	17.38	4.64	3.14	0.30	0.10	0.64	7.86	102.77
NK019	586186	6512294	4.9	3.01	45.57	16.89	1.70	0.84	0.56	2.32	0.30	0.09	18.66	4.91	3.34	0.30	0.11	0.68	8.24	104.52
NK020	586188	6512184	4.8	2.42	54.54	18.53	1.57	0.72	0.45	2.06	0.27	0.06	17.85	4.88	3.00	0.29	0.08	0.51	8.00	112.81
NK021	586186	6512098	6.9	3.66	189.17	91.60	4.97	2.17	1.25	7.19	0.83	0.19	70.92	21.69	11.36	0.94	0.26	1.47	25.65	429.66
NK022	586184	6511996	2.4	1.17	55.52	25.80	1.35	0.56	0.36	1.88	0.22	0.05	18.25	5.35	2.84	0.25	0.07	0.39	6.59	119.50
NK023	586184	6511900	2.6	1.175	56.51	23.46	1.37	0.57	0.36	1.89	0.22	0.05	17.44	5.15	2.82	0.25	0.07	0.43	6.50	117.06
NK024	586184	6511795	3.9	1.295	60.31	22.11	1.30	0.61	0.37	1.85	0.23	0.06	18.25	5.30	3.08	0.26	0.08	0.45	6.71	120.97
NK025	586184	6511697	1.8	0.896	31.20	9.73	0.75	0.32	0.21	0.98	0.12	0.03	8.60	2.51	1.54	0.14	0.04	0.23	3.47	59.87
NK028	586182	6511591	1.6	0.975	17.38	5.99	0.42	0.20	0.13	0.57	0.07	0.02	4.85	1.41	0.90	0.08	0.02	0.15	2.14	34.33
NK029	586180	6511485	4.8	2.93	23.95	7.61	0.56	0.28	0.18	0.78	0.11	0.03	6.78	1.85	1.19	0.11	0.04	0.25	3.02	46.73
NK030	586187	6511404	4.1	1.785	15.78	5.39	0.36	0.18	0.11	0.50	0.06	0.02	4.48	1.23	0.75	0.07	0.02	0.15	2.03	31.15
NK031	586196	6511296	6.2	2.8	31.82	13.37	0.88	0.41	0.27	1.25	0.16	0.05	11.00	3.09	1.78	0.17	0.05	0.31	4.89	69.49
NK032	586196	6511200	6.2	1.65	59.09	32.49	0.95	0.43	0.28	1.67	0.16	0.05	19.48	5.91	2.73	0.21	0.05	0.31	5.61	129.40
NK034	586183	6511096	5	2.18	57.98	25.45	1.13	0.53	0.36	1.94	0.20	0.06	21.35	6.13	3.33	0.24	0.07	0.44	6.62	125.83
NK035	586174	6510994	4.8	2.51	80.71	39.41	1.47	0.71	0.48	2.49	0.25	0.08	29.63	8.66	4.37	0.30	0.09	0.54	8.47	177.66
NK036	586174	6510896	3.8	1.665	60.56	29.44	1.10	0.52	0.28	1.74	0.19	0.06	19.36	5.97	2.92	0.21	0.07	0.41	6.36	129.20
NK037	586174	6510786	3.6	2.92	40.91	10.68	0.92	0.41	0.27	1.14	0.16	0.05	9.27	2.63	1.59	0.17	0.05	0.31	4.43	73.00
NK038	584859	6509564	8.1	5.69	121.61	49.14	3.72	1.81	1.17	4.94	0.67	0.21	42.81	12.14	7.43	0.70	0.24	1.42	19.81	267.82
NK039	584856	6509473	7.6	3.58	65.72	23.69	1.70	0.85	0.57	2.39	0.31	0.10	20.88	5.91	3.51	0.34	0.11	0.69	9.22	135.99
NK040	584856	6509374	10.8	6.77	74.93	31.31	2.27	1.14	0.83	3.26	0.41	0.14	27.29	7.48	4.65	0.44	0.15	0.90	13.27	168.50
NK041	584857	6509274	7.1	4.02	79.72	31.78	2.14	1.03	0.75	3.03	0.38	0.11	26.71	7.44	4.44	0.40	0.13	0.80	11.53	170.41
NK042	584855	6509174	8.9	4.92	82.18	30.61	2.20	1.09	0.77	3.07	0.39	0.13	26.36	7.32	4.45	0.42	0.14	0.87	12.14	172.15
NK043	584853	6509062	4.8	2.93	48.64	17.30	1.29	0.61	0.43	1.82	0.23	0.08	15.10	4.30	2.73	0.25	0.08	0.50	6.54	99.90
NK044	584853	6508983	9.3	4.8	68.18	23.16	1.73	0.89	0.61	2.34	0.32	0.12	20.88	5.82	3.54	0.				

ident	Z50 East	Z50 North	Li	Sc	CeO <sub>2</sub>	La <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>	Dy <sub>2</sub> O <sub>3</sub>	Er <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Gd <sub>2</sub> O <sub>3</sub>	Ho <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Nd <sub>2</sub> O <sub>3</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Tm <sub>2</sub> O <sub>3</sub>	Yb <sub>2</sub> O <sub>3</sub>	TREO
NK050	584848	6508474	4.2	4.56	38.08	8.40	0.80	0.40	0.26	1.05	0.14	0.05	8.33	2.27	1.51	0.15	0.05	0.33	3.84	65.64
OLDDRILLHOLE	573740	6510784	3.1	1.735	44.47	17.12	1.22	0.58	0.26	1.58	0.20	0.06	13.88	4.22	2.33	0.22	0.07	0.42	6.43	93.05
OLDDRILLSUMP	573746	6510789	5.4	3.01	42.75	14.60	1.65	0.83	0.32	1.87	0.28	0.08	14.99	4.34	2.81	0.29	0.11	0.65	7.66	93.22
OLDDRILLSUMP	573739	6510732	12.7	9.5	345.18	62.74	8.00	4.19	1.33	8.53	1.39	0.50	66.60	19.27	12.87	1.36	0.57	3.58	36.07	572.18
OLDSUMPWILKINS1	573739	6510373	4.4	2.39	68.42	24.04	2.04	0.95	0.52	2.48	0.34	0.08	20.88	6.26	3.68	0.37	0.11	0.65	10.16	140.98
WATERTRENCH	573811	6508669	1.9	1.4	61.67	21.93	1.61	0.74	0.37	2.21	0.26	0.07	17.55	5.24	3.13	0.30	0.09	0.54	8.01	123.73
WESTCLAY	569260	6503322	12.7	5.73	222.34	91.71	5.68	2.54	1.41	7.71	0.93	0.25	71.73	23.26	12.00	1.06	0.30	1.86	27.94	470.73

## APPENDIX 1.

The following Tables are provided to ensure compliance with the JORC Code (2012 Edition) requirements for the reporting of Exploration Results at Hines Hill

### Section 1: Sampling Techniques and Data

(Criteria in this section applies to all succeeding sections)

Criteria	JORC Code explanation	Commentary
<b>Sampling techniques</b>	<i>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i>	A total of 1,405 soil and laterite samples have been collected from roadsides within the Hines Hill tenements. 1,326 samples were collected in this program.
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i>	Reconnaissance soil sampling.
	<i>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</i>	Soils sieved -2mm, nominal weight 300gm from 15-20cm depths.
<b>Drilling techniques</b>	<i>Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is orientated and if so, by what method, etc).</i>	No drilling is being reported.
<b>Drill sample recovery</b>	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i>	No drilling is being reported.
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	No drilling is being reported.
	<i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	No drilling is being reported.
<b>Logging</b>	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i>	Sample type and landform/regolith settings were recorded. No drilling reported.
	<i>The total length and percentage of the relevant intersections logged.</i>	Geochemical sample from regolith.
<b>Sub-sampling techniques and sample preparation</b>	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	No sub-sampling has been undertaken.
	<i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i>	
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	



	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	No sub-sampling has been undertaken.	
	<i>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</i>	No sub-sampling has been undertaken.	
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	The sample size of 0.3 kilograms is appropriate and representative of the grain size and mineralisation style of the deposit.	
<b>Quality of assay data and laboratory tests</b>	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i>	Rock chip samples have been submitted to ALS Laboratories for analysis by Aqua Regia digest using method ME-MS41L™.	
	<i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i>	<p>Elements were: Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Fe, Ga, Ge, Hf, Hg, In, K, La, Li, Mg, Mn, Mo, Nb, Ni, P, Pb, Pd, Pt, Rb, Re, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Zn, Zr.</p> <p>REE analysed using MS41L-REE™, elements were: Dy, Er, Eu, Gd, Ho, Lu, Nd, Pr, Sm, Tb, Tm &amp; Yb.</p> <p>CRM &amp; field duplicated samples were inserted every 25 samples for QA/QC control.</p>	
<b>Verification of sampling and assaying</b>	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	Significant intercepts are reviewed by 2 or more company geologists.	
	<i>The use of twinned holes.</i>	No drilling being reported	
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	All field data were collected manually and transferred to spreadsheets. Sample location coordinates were determined and recorded using a handheld GPS.	
	<i>Discuss any adjustment to assay data.</i>	<p>The REE assay data were converted from reported elemental assays to the equivalent oxide compound as applicable to rare earth oxides. The oxides were calculated from the element according to the following factors:</p> <ul style="list-style-type: none"> <li>CeO<sub>2</sub> 1.1526</li> <li>La<sub>2</sub>O<sub>3</sub> 1.1728</li> <li>Nd<sub>2</sub>O<sub>3</sub> 1.1664</li> <li>Pr<sub>6</sub>O<sub>11</sub> 1.2082</li> </ul>	<ul style="list-style-type: none"> <li>Ho<sub>2</sub>O<sub>3</sub> 1.1455</li> <li>Lu<sub>2</sub>O<sub>3</sub> 1.1371</li> <li>Sm<sub>2</sub>O<sub>3</sub> 1.1596</li> <li>Tb<sub>2</sub>O<sub>3</sub> 1.1762</li> <li>Tm<sub>2</sub>O<sub>3</sub> 1.1421</li> <li>Y<sub>2</sub>O<sub>3</sub> 1.2699</li> <li>Yb<sub>2</sub>O<sub>3</sub> 1.1387</li> <li>Dy<sub>2</sub>O<sub>3</sub> 1.1477</li> <li>Er<sub>2</sub>O<sub>3</sub> 1.1435</li> <li>Eu<sub>2</sub>O<sub>3</sub> 1.1579</li> <li>Gd<sub>2</sub>O<sub>3</sub> 1.1526</li> </ul>
<b>Location of data points</b>	<i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	All locations determined by handheld GPS using GDA94 datum in UTM Zone 50.	
	<i>Specification of the grid system used.</i>		
	<i>Quality and adequacy of topographic control.</i>		
<b>Data spacing and distribution</b>	<i>Data spacing for reporting of Exploration Results.</i>	Sample spacing was 100m along roadside verges	
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	Sampling type and spacing not designed to be used in an MRE.	
	<i>Whether sample compositing has been applied.</i>	No compositing has been applied.	
<b>Orientation of data in relation to geological structure</b>	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	Sampling was of a reconnaissance nature only and was not designed to achieve unbiased sampling. No drilling reported.	

	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	No drilling has been undertaken within the greater area and orientation of structures is unknown.
<b>Sample security</b>	<i>The measures taken to ensure sample security.</i>	All samples were placed in plastic or calico bags, taken to Perth and delivered to ALS laboratory by White Cliff staff.
<b>Audits or reviews</b>	<i>The results of any audits or reviews of sampling techniques and data.</i>	Data is validated upon up-loading into the master database. Any validation issues identified are investigated prior to reporting of results.

## Section 2: Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section)

Criteria	JORC Code explanation	Commentary
<b>Mineral tenement and land tenure status</b>	<i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i>	The Hines Hill exploration license E70/5875 is held 100% by Magnet Resource Company Pty Ltd, a 100% subsidiary of White Cliff Minerals Limited. The tenement was granted on 21/10/21, has annual expenditure of \$44,000 and the tenement is in good standing. E70/6136 remains in application and will be granted shortly.
	<i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i>	A land access agreement has been signed with the landowners, where the approved POW for drilling is located. Further land access agreements will be negotiated with and signed with additional landowners in the region.
<b>Exploration done by other parties</b>	<i>Acknowledgment and appraisal of exploration by other parties.</i>	No previous exploration.
<b>Geology</b>	<i>Deposit type, geological setting and style of mineralisation.</i>	Potential Carbonatite within Archean terrane, or granitoid rocks elevated in REE.
<b>Drill hole Information</b>	<i>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</i>	No drilling being reported.
	<i>easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole down hole length and interception depth hole length.</i>	
	<i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i>	
<b>Data aggregation methods</b>	<i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg. cutting of high grades) and cut-off grades are usually Material and should be stated.</i>	No aggregation methods have been used.

Criteria	JORC Code explanation	Commentary
	<i>Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i>	No aggregation methods have been used.
	<i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i>	No aggregation methods have been used.
<b>Relationship between mineralisation widths and intercept lengths</b>	<i>These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</i>	No mineralisation widths have been reported.
<b>Diagrams</b>	<i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i>	Location maps of projects within the release with relevant exploration information contained.
<b>Balanced reporting</b>	<i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i>	The reporting of exploration results is considered balanced by the competent person.
<b>Other substantive exploration data</b>	<i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i>	No other exploration to report.
<b>Further work</b>	<i>The nature and scale of planned further work (eg. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i>  <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	Full technical review which includes the results contained within this release, assaying of 1m samples within the ore zone at Hines Hill, and then further drilling.