Further Outstanding Rare Earth Results at the Innouendy Project

Key Highlights

- **Remainder of rare earth assay results now received from the recent drilling program at Innouendy with further outstanding results.**
- **Significant Total Rare Earth Oxide (TREO) intersections from saprolitic clays include:**
  - **31m @ 1425 ppm** from 48m **(incl 4m @ 3775 ppm)**, hole INAC 277
  - **16m @ 1767 ppm** from 12m **(incl 4m @4536ppm)**, hole INAC296
  - **21m @ 1211 ppm** from 28m **(incl 8m @ 2010 ppm)**, hole INAC255
  - **8m @ 1512 ppm** from 48m **(incl 4m @ 2549 ppm)**, hole INAC 290
  - **12m @ 1204 ppm** from 32m, hole INAC253
  - **19m @ 942 ppm** from 8m, hole INAC295
  - **31m @ 857 ppm** from 40m, hole INAC262
- **The new assays continue to confirm the high-grade, widespread, thick and continuous nature of REE mineralisation at Innouendy along a strike of at least 21kms and across widths of 2.5kms**
- **High Value Magnetic Rare Earth Oxides make up circa 23% of significant intercepts greater than 300ppm TREO**
- **20,00m follow up drill program to further explore the extent of REE mineralisation and define the maiden resource at Innouendy scheduled to commence early in 2022.**
- **A more extensive metallurgical program is planned to confirm the results of the weak acid digest assay results, which suggest the clay hosted REEs at Innouendy are readily leachable with over 80% recoveries of the magnetic and critical rare earth oxides.**

Desert Metals Limited (ASX:**DM1**, the "**Company**") is pleased to report that it has now received assay results for all drilling completed in 2022 at the Innouendy Project in WA. The latest batch of results includes assays from the Cattle Yard prospect (3.5km SW of Innouendy), and the two new REE zones 1.5km and 3.5km SW of the Cattle Yard prospect. The results continue to confirm excellent grades and thickness of REE mineralisation at Innouendy (Figure 1). New significant intersections are shown in Table 1.

313 Aircore holes have now been completed at Innouendy over a strike length of 21km, with 78% of holes containing TREO grades of over 300ppm. Significant TREO intercepts occur over the full 21km strike length tested and over widths of up to 2.5km. A significant program of follow up drilling has been planned to both infill and further test the extent of this exciting discovery, with this work beginning early in the new year (Figure 1). The results to date indicate that Innouendy is a significant rare earth discovery in Western Australia and has the potential to be strategic supply of rare earths.

Table 1 Significant intercepts from latest batch of results

Hole ID	from (m)	to (m)	width (m)	TREO (ppm)	MREO (ppm)	Nd2O3 + Pr6O11 (ppm)	Comments
INAC251	16	23E	7	654	146	123	Cattle Yards Prospect - 3.5km SW of Innouendy
INAC252	28	33E	5	613	188	161	
INAC253	32	44E	12	1204	268	221	
INAC255	**28**	**49E**	**21**	**1211**	**265**	**221**	
including	***36***	***44***	***8***	***2010***	***433***	***364***	
INAC257	12	16	4	558	129	107	
INAC259	16	24	8	856	101	76	
INAC260	40	48	8	1141	201	158	
INAC261	40	55E	15	671	150	125	
INAC262	40	71E	31	857	209	168	
INAC268	24	28	4	523	182	156	
INAC268	64	69E	5	598	128	111	
INAC272	28	32	4	1183	281	238	
INAC277	**48**	**79E**	**31**	**1425**	**276**	**230**	
including	***56***	***60***	***4***	***3775***	***668***	***563***	
INAC283	24	28	4	519	103	73	New Zone 1.5km SW of Cattle Yard Prospect
INAC284	60	64	4	582	128	102	
INAC285	48	55E	7	789	225	145	
INAC286	40	44	4	561	160	127	
INAC287	44	51E	7	926	226	183	
INAC288	36	43E	7	1038	171	146	
INAC290	**48**	**56**	**8**	**1512**	**248**	**173**	
including	***48***	***52***	***4***	***2549***	***350***	***251***	
INAC292	0	4	4	585	92	70	New Zone 3.5km SW of Cattle Yard Prospect
INAC294	16	20	4	624	176	98	
INAC295	8	27	19	942	186	162	
INAC296	**12**	**28**	**16**	**1767**	**349**	**300**	
including	***12***	***16***	***4***	***4536***	***847***	***718***	
INAC298	16	20E	4	686	86	69	
INAC299	28	36	8	671	155	118	
INAC302	32	41E	9	590	134	110	

E = end of hole

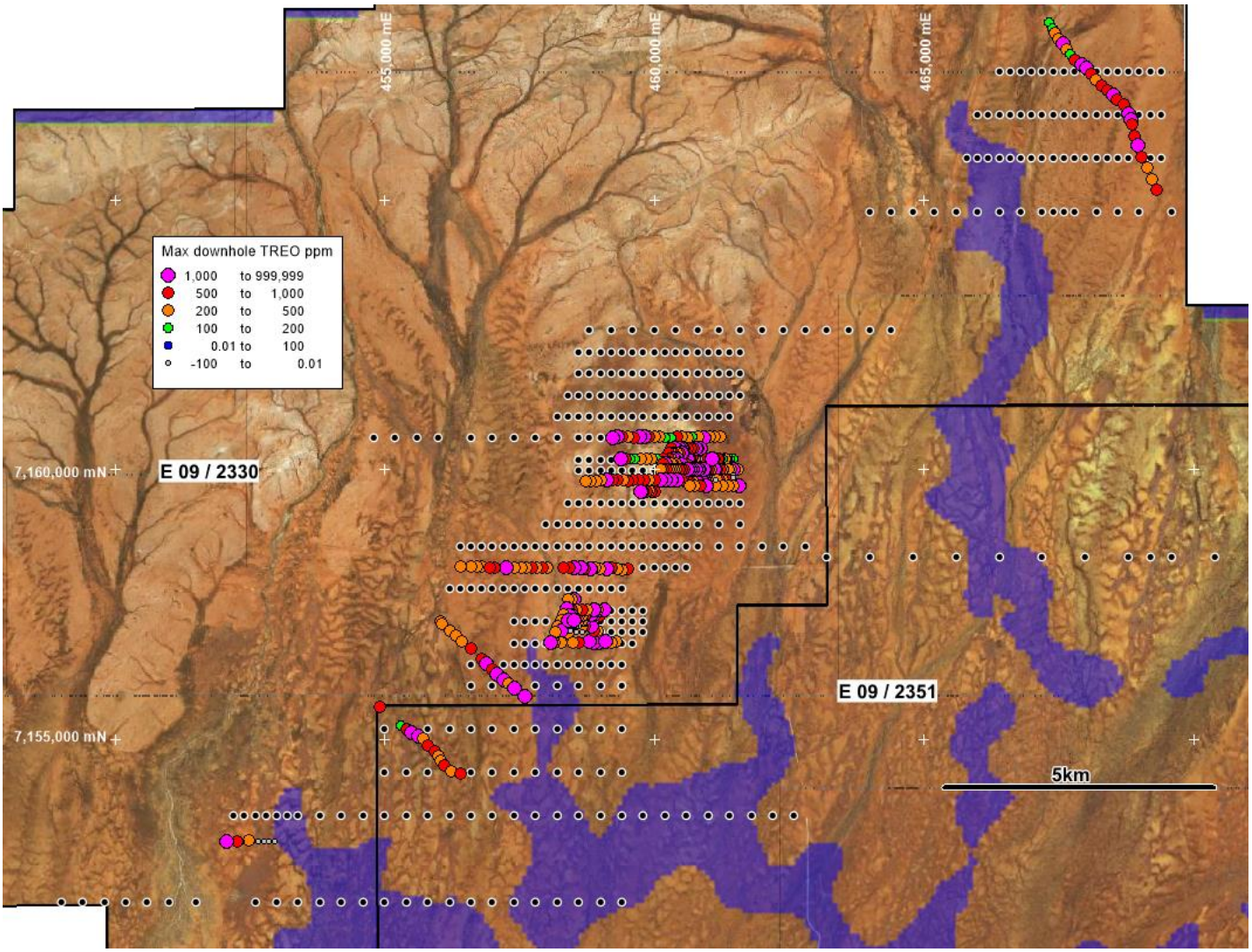

Figure 1. *Innouendy drill holes coloured by maximum downhole TREO value. Black dots are planned drill holes (to be completed in 2023). Blue shaded areas are Paleochannels interpreted from EM Geophysical survey.*

In addition to REEs, DM1 has also encountered significant nickel and platinum group elements (PGEs) at Innouendy and intends to progress these prospects with additional drilling in 2023.

Innouendy Metallurgical Testwork.

The discovery of REEs at Innouendy has followed a systematic pathway:

1) Quantify the grade of mineralisation using a near complete digest methodology (Figure 2) *(1st Aircore program February 2022).*

   Outcome - anomalous REEs encountered.

2) Determine the potential for cheap processing, ie acid leach and/or ionic leach by re-assaying using Aqua Regia weak acid digest (Figure 2) – *(1st Aircore program February 2022).*

   Outcome – REEs are leachable in acid.

3) Determine the extent of mineralisation *(2nd aircore program and more extensive weak acid assays July-Dec 2022).*

   Outcome 1 – the mineralisation is extensive (21km strike tested).

   Outcome 2 – the mineralisation is regularly acid leachable over a wide extent.

4) Determine the viability of potential process routes for the mineralisation *(2023 work programs)*

   Metallurgical test work to determine the most cost-effective processing methodology

5) Define limits of mineralisation and define a JORC compliant resource *(2023 work programs)*

   Resource definition post 20,000m of additional drilling (with interim resource based on 2022 drilling likely)

6) Scoping study (second half of 2023)

DM1 has engaged an experienced metallurgist and Study Manager to manage this next phase of metallurgical test work and process flow sheet preparation.

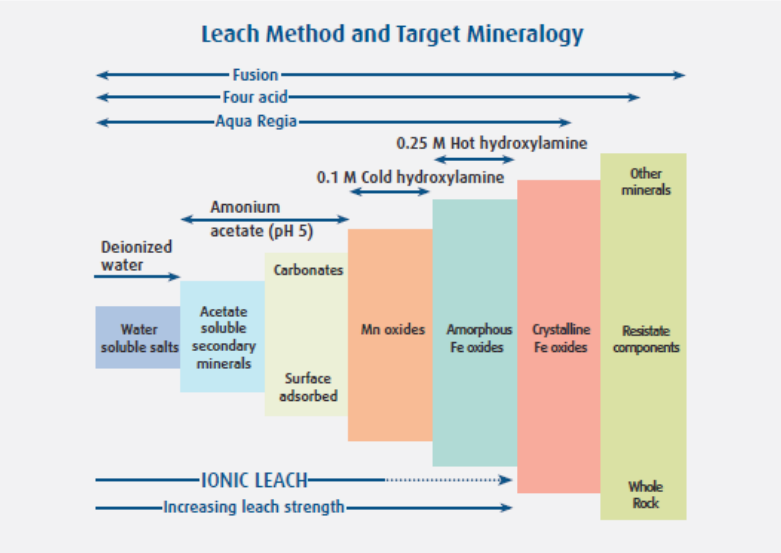

Figure 2. *Applicability of various Assay Methodologies. Clay hosted REEs that can be leached ionically or with acid are mined cost effectively in China. REEs in resistate minerals (ie "hard Rock" REE deposits) require more complex and expensive processing (and thus require much higher grades).*

Authorised by the Board of Desert Metals Limited.

Rob Stuart — Managing Director

Tony Worth — Technical Director

Competent Person Statement

The information in this announcement that relates to Exploration Results is based on, and fairly represents, information and supporting documentation prepared by Dr Rob Stuart, a competent person who is a member of the Australasian Institute of Mining and Metallurgy. Dr Stuart has a minimum of five years' experience which is relevant to the style of mineralization and type of deposit under consideration and to the activity which he is undertaking to qualify as a competent person as defined in the 2012 Edition of the Joint Ore Reserves. Dr Stuart is a related party of the Company, being a Director, and holds securities in the Company. Dr Stuart has consented to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

Table 2 List of holes from assays were received and significant intersections are reported from for this release

Hole ID	East	North	Azimuth	Dip	Depth	Project	Assays Reported
INAC250	458599	7157297	90	-60	26	Innouendy	Complete REE Suite
INAC251	458550	7157296	90	-60	23	Innouendy	Complete REE Suite
INAC252	458505	7157307	90	-60	33	Innouendy	Complete REE Suite
INAC253	459046	7157400	90	-60	44	Innouendy	Complete REE Suite
INAC254	458946	7157398	90	-60	44	Innouendy	Complete REE Suite
INAC255	458851	7157403	90	-60	49	Innouendy	Complete REE Suite
INAC256	458750	7157406	90	-60	14	Innouendy	Complete REE Suite
INAC257	458656	7157402	90	-60	16	Innouendy	Complete REE Suite
INAC258	458551	7157392	90	-60	15	Innouendy	Complete REE Suite
INAC259	458455	7157395	90	-60	56	Innouendy	Complete REE Suite
INAC260	458356	7157420	90	-60	55	Innouendy	Complete REE Suite
INAC261	458449	7157297	90	-60	55	Innouendy	Complete REE Suite
INAC262	458397	7157298	90	-60	71	Innouendy	Complete REE Suite
INAC263	458303	7157304	90	-60	103	Innouendy	Complete REE Suite
INAC264	458303	7157206	90	-60	40	Innouendy	Complete REE Suite
INAC265	458254	7157205	90	-60	54	Innouendy	Complete REE Suite
INAC266	458451	7157100	90	-60	64	Innouendy	Complete REE Suite
INAC267	458355	7157095	90	-60	25	Innouendy	Complete REE Suite
INAC268	458400	7157097	90	-60	69	Innouendy	Complete REE Suite
Hole ID	East	North	Azimuth	Dip	Depth	Project	Assays Reported
INAC269	458298	7157095	90	-60	78	Innouendy	Complete REE Suite

INAC270	458198	7157097	90	-60	52	Innouendy	Complete REE Suite
INAC271	458380	7156974	90	-60	30	Innouendy	Complete REE Suite
INAC272	458255	7157009	90	-60	39	Innouendy	Complete REE Suite
INAC273	458153	7156995	90	-60	63	Innouendy	Complete REE Suite
INAC274	458452	7156794	90	-60	77	Innouendy	Complete REE Suite
INAC275	458250	7156798	90	-60	37	Innouendy	Complete REE Suite
INAC276	458148	7156801	90	-60	42	Innouendy	Complete REE Suite
INAC277	458047	7156798	90	-60	79	Innouendy	Complete REE Suite
INAC278	456027	7157172	0	-90	25	Innouendy	Complete REE Suite
INAC279	456049	7157137	0	-90	25	Innouendy	Complete REE Suite
INAC280	456203	7157002	0	-90	16	Innouendy	Complete REE Suite
INAC281	456309	7156913	0	-90	14	Innouendy	Complete REE Suite
INAC282	456425	7156823	0	-90	14	Innouendy	Complete REE Suite
INAC283	456599	7156676	0	-90	36	Innouendy	Complete REE Suite
INAC284	456804	7156488	0	-90	67	Innouendy	Complete REE Suite
INAC285	456884	7156404	0	-90	55	Innouendy	Complete REE Suite
INAC286	456995	7156292	0	-90	62	Innouendy	Complete REE Suite
INAC287	457085	7156205	0	-90	51	Innouendy	Complete REE Suite
INAC288	457199	7156104	0	-90	42	Innouendy	Complete REE Suite
INAC289	457293	7156032	0	-90	36	Innouendy	Complete REE Suite
INAC290	457399	7155951	0	-90	64	Innouendy	Complete REE Suite
INAC291	457600	7155799	0	-90	92	Innouendy	Complete REE Suite
INAC292	454903	7155591	0	-90	27	Innouendy	Complete REE Suite
INAC293	455300	7155253	0	-90	13	Innouendy	Complete REE Suite
INAC294	455397	7155185	0	-90	25	Innouendy	Complete REE Suite
INAC295	455493	7155118	0	-90	29	Innouendy	Complete REE Suite
INAC296	455614	7155060	0	-90	33	Innouendy	Complete REE Suite
INAC297	455702	7155002	0	-90	22	Innouendy	Complete REE Suite
INAC298	455803	7154878	0	-90	20	Innouendy	Complete REE Suite
INAC299	455920	7154778	0	-90	42	Innouendy	Complete REE Suite
INAC300	455984	7154676	0	-90	43	Innouendy	Complete REE Suite
INAC301	456039	7154591	0	-90	35	Innouendy	Complete REE Suite
INAC302	456100	7154512	0	-90	41	Innouendy	Complete REE Suite
INAC303	456221	7154407	0	-90	84	Innouendy	Complete REE Suite
INAC304	456407	7154357	0	-90	71	Innouendy	Complete REE Suite

Table 3: Rare Earth Oxide (ppm) Lithium Borate Fusion/ICP-MS results of all re-analysed samples.

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC250	16	20	135	81	107	28	41	35	25	53	3	2	1	3	1	25	0	20	5	3	0	0	17	2
INAC250	20	24	129	80	97	32	42	31	21	50	3	2	1	3	1	23	0	17	4	3	1	0	20	2
INAC250	24	26	98	61	79	19	27	23	16	37	2	1	1	2	0	24	0	12	4	3	0	0	12	1
INAC251	0	4	200	122	164	36	58	51	38	78	4	1	1	4	1	43	0	30	8	5	1	0	23	2
INAC251	4	8	185	112	155	30	51	48	36	73	3	2	1	3	1	41	0	28	8	5	1	0	19	1
INAC251	8	12	202	114	174	27	49	49	38	88	3	1	1	4	0	44	0	29	8	5	0	0	16	1
INAC251	12	16	164	96	139	25	44	43	33	68	3	1	1	3	1	35	0	26	7	4	0	0	14	1
INAC251	16	20	488	269	455	33	87	104	85	219	4	2	2	5	1	142	0	64	22	9	1	0	18	1
INAC251	20	23	876	430	830	47	163	202	173	446	5	2	3	8	1	195	0	129	43	16	1	0	24	2
INAC252	0	4	344	205	286	58	96	87	66	138	5	3	2	7	1	73	0	52	14	8	1	0	36	2
INAC252	4	8	235	142	197	38	64	61	46	93	4	2	1	5	1	51	0	36	10	6	1	0	22	2
INAC252	8	12	219	124	189	29	54	54	42	95	3	2	1	4	1	47	0	33	10	5	1	0	17	1
INAC252	12	16	182	105	154	28	47	45	34	76	3	2	1	3	1	39	0	26	8	5	1	0	17	2
INAC252	16	20	151	74	128	23	34	31	23	77	2	1	1	3	1	26	0	18	5	3	0	0	13	2
INAC252	20	24	175	94	163	12	28	33	27	82	1	1	1	2	0	52	0	20	7	3	0	0	6	1
INAC252	24	28	124	82	112	12	27	30	25	42	1	1	1	2	0	44	0	19	6	3	0	0	7	1
INAC252	28	33	613	399	580	33	144	188	161	214	4	1	3	7	1	189	0	121	40	16	1	0	15	1
INAC253	0	4	191	118	162	29	52	51	40	73	2	1	1	4	1	46	0	30	9	4	1	0	18	1
INAC253	4	8	185	105	155	30	46	42	31	80	3	2	1	3	1	39	0	24	7	5	1	0	18	2
INAC253	8	12	84	52	68	16	24	21	16	32	2	1	0	1	0	18	0	12	4	2	0	0	9	1
INAC253	12	16	68	32	55	13	16	13	9	35	1	1	0	1	0	9	0	7	2	1	0	0	7	1
INAC253	16	20	75	48	60	16	24	20	16	27	1	1	0	2	0	15	0	12	3	2	0	0	10	1
INAC253	20	24	32	20	26	6	8	7	5	12	1	0	0	1	0	9	0	4	1	1	0	0	4	0
INAC253	24	28	71	42	64	7	15	16	13	29	0	0	0	1	0	21	0	10	3	1	0	0	4	1
INAC253	28	32	134	69	128	6	16	20	16	65	1	0	0	1	0	45	0	11	5	2	0	0	3	0
INAC253	32	36	993	464	960	33	155	205	176	529	4	1	2	8	1	238	0	132	44	16	1	0	15	1
INAC253	36	40	1765	875	1648	116	337	404	332	889	14	6	6	21	2	393	1	255	77	34	3	1	60	4
INAC253	40	44	855	468	765	90	184	194	155	387	9	5	3	12	2	207	1	118	37	16	2	1	52	4
INAC254	0	4	270	169	225	45	72	70	52	102	4	3	1	6	1	64	0	39	12	7	1	0	27	2
INAC254	4	8	173	98	146	27	42	40	30	75	3	1	1	3	1	38	0	22	7	4	0	0	16	2
INAC254	8	12	135	76	115	21	32	30	22	59	3	1	1	2	0	31	0	17	5	2	0	0	11	1
INAC254	12	16	108	35	93	15	18	14	10	73	1	1	0	1	0	10	0	7	2	1	0	0	9	1
INAC254	16	20	87	49	70	17	24	20	14	38	2	1	0	2	0	15	0	11	3	2	0	0	11	1
INAC254	20	24	52	36	40	12	16	13	10	15	1	1	0	1	0	14	0	8	3	1	0	0	7	1
INAC254	24	28	39	25	30	8	11	9	7	14	1	1	0	1	0	9	0	5	2	1	0	0	5	1
INAC254	28	32	33	20	27	7	9	7	5	13	1	0	0	1	0	7	0	4	1	1	0	0	4	1
INAC254	32	36	82	48	74	8	17	19	15	34	1	1	0	1	0	23	0	11	4	2	0	0	4	0
INAC254	36	40	192	108	183	9	28	35	30	85	1	0	0	1	0	67	0	22	8	2	0	0	4	1
INAC254	40	44	108	60	101	7	17	21	17	49	1	0	0	1	0	34	0	12	5	2	0	0	4	1
INAC255	0	4	209	129	174	34	56	52	40	80	3	2	1	4	1	49	0	30	9	5	1	0	21	2
INAC255	4	8	182	113	155	27	49	48	37	69	3	2	1	4	1	45	0	29	8	4	0	0	16	1
INAC255	8	12	158	90	133	25	41	38	29	68	3	1	1	3	0	34	0	22	7	3	0	0	15	1

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC255	12	16	134	67	114	20	31	29	21	68	2	1	1	2	0	22	0	16	5	3	0	0	12	1
INAC255	16	20	66	41	52	14	20	16	12	25	2	1	0	1	0	14	0	9	3	1	0	0	8	1
INAC255	20	24	57	29	49	8	11	11	8	28	1	1	0	1	0	12	0	6	2	1	0	0	4	1
INAC255	24	28	92	47	80	12	20	19	15	46	1	1	0	1	0	18	0	12	3	1	0	0	7	1
INAC255	28	32	570	280	555	16	86	118	103	290	2	1	2	4	0	153	0	76	27	9	0	0	6	1
INAC255	32	36	306	154	293	13	47	61	52	152	1	1	1	3	0	84	0	39	14	4	0	0	6	1
INAC255	36	40	2336	985	2235	101	367	458	389	1351	11	5	6	18	2	457	0	295	94	37	2	1	53	3
INAC255	40	44	1684	866	1558	126	350	409	338	818	14	6	6	21	3	368	1	260	78	34	3	1	68	5
INAC255	44	49	1168	667	1038	130	263	279	221	501	14	7	4	18	3	292	1	167	54	24	2	1	75	5
INAC256	0	4	250	154	210	41	70	68	51	96	4	2	1	5	1	56	0	40	11	6	1	0	23	2
INAC256	4	8	198	121	166	32	53	50	38	77	3	1	1	4	1	47	0	30	9	5	0	0	19	2
INAC256	8	12	204	117	175	29	51	49	38	88	3	2	1	3	1	46	0	29	9	4	0	0	18	1
INAC256	12	14	147	84	131	15	33	36	29	63	2	1	1	2	0	36	0	22	8	3	0	0	8	1
INAC257	0	4	213	134	176	38	62	58	43	80	4	2	1	4	1	47	0	33	10	6	1	0	23	2
INAC257	4	8	226	138	187	39	63	57	43	88	4	2	1	4	1	50	0	34	10	5	1	0	24	2
INAC257	8	12	191	114	162	29	49	48	37	77	3	2	1	4	1	43	0	28	9	5	0	0	17	2
INAC257	12	16	558	305	511	47	115	129	107	253	5	3	2	7	1	141	0	80	26	11	1	0	27	2
INAC258	0	4	221	136	183	38	62	58	44	84	4	2	1	4	1	49	0	33	11	6	1	0	23	2
INAC258	4	8	190	121	157	33	54	49	38	69	3	2	1	4	1	46	0	29	9	4	0	0	21	2
INAC258	8	12	188	106	163	25	43	44	33	82	3	1	1	3	0	44	0	25	8	4	0	0	14	1
INAC258	12	15	221	122	186	35	55	50	38	100	4	2	1	4	1	44	0	29	9	5	1	0	21	2
INAC259	0	4	272	165	229	43	74	70	54	107	4	2	1	5	1	61	0	42	12	7	1	0	26	2
INAC259	4	8	202	125	167	35	58	53	40	77	3	2	1	4	1	45	0	31	9	5	1	0	22	2
INAC259	8	12	178	105	149	29	48	44	33	73	3	2	1	3	1	38	0	26	7	4	0	0	18	2
INAC259	12	16	180	106	154	26	46	45	34	74	3	2	1	3	0	41	0	26	8	4	0	0	15	1
INAC259	16	20	871	129	828	43	65	59	43	742	5	3	1	5	1	37	0	34	9	6	1	0	24	3
INAC259	20	24	840	291	775	65	127	143	109	549	9	4	3	8	2	100	1	81	27	16	1	1	32	5
INAC259	24	28	185	120	149	36	58	62	45	64	5	3	1	4	1	32	0	35	11	7	1	1	17	3
INAC259	28	32	272	175	228	45	76	80	60	97	5	3	1	5	1	62	0	45	15	8	1	1	24	3
INAC259	32	36	169	128	135	34	58	56	43	41	4	2	1	4	1	47	0	33	10	5	1	0	20	2
INAC259	36	40	130	82	103	27	40	34	25	48	3	2	1	3	1	27	0	20	5	3	0	0	16	2
INAC259	40	44	77	50	56	21	27	21	15	27	2	1	0	2	0	12	0	12	3	2	0	0	13	1
INAC259	44	48	80	54	55	25	31	24	16	26	2	1	0	2	0	10	0	13	3	2	0	0	16	1
INAC259	48	52	79	50	57	22	27	21	14	28	2	1	0	2	0	12	0	11	3	2	0	0	13	1
INAC259	52	56	97	66	66	31	39	30	20	31	3	2	1	3	1	11	0	16	4	4	1	0	18	2
INAC260	0	4	201	122	167	35	57	53	40	80	3	2	1	4	1	42	0	31	9	4	1	0	21	2
INAC260	4	8	219	130	183	36	59	57	42	90	4	2	1	5	1	45	0	33	9	6	1	0	21	2
INAC260	8	12	186	99	162	24	42	42	32	87	2	2	1	3	0	39	0	25	7	4	0	0	13	1
INAC260	12	16	154	93	130	24	41	40	30	61	3	1	1	3	0	35	0	24	7	4	0	0	14	1
INAC260	16	20	212	112	180	31	51	49	37	100	3	2	1	4	1	39	0	29	8	5	1	0	18	2
INAC260	20	24	155	63	138	17	29	26	21	92	2	1	0	2	0	23	0	16	5	2	0	0	11	1
INAC260	24	28	56	31	48	8	14	14	10	24	1	0	0	1	0	12	0	8	2	1	0	0	4	1
INAC260	28	32	84	41	77	6	13	14	11	42	1	0	0	1	0	23	0	8	3	1	0	0	4	1

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC260	32	36	71	28	65	5	8	9	6	43	0	0	0	1	0	15	0	5	2	1	0	0	3	1
INAC260	36	40	370	155	350	20	59	71	59	216	2	1	1	3	0	70	0	45	14	6	0	0	10	1
INAC260	40	44	1390	568	1309	81	228	273	222	822	9	4	5	15	2	239	0	171	50	26	2	1	40	3
INAC260	44	48	892	309	807	86	135	129	93	583	10	5	3	11	2	117	1	73	20	13	2	1	48	4
INAC260	48	52	260	158	203	57	76	59	42	103	5	3	1	6	1	53	0	33	9	5	1	0	35	3
INAC260	52	55	118	75	91	27	37	28	21	43	3	2	1	2	1	24	0	16	4	2	0	0	16	2
INAC261	0	4	204	123	169	35	56	53	39	81	4	2	1	4	1	43	0	30	8	6	1	0	20	2
INAC261	4	8	221	134	184	37	61	57	43	87	4	2	1	4	1	48	0	33	9	5	1	0	23	2
INAC261	8	12	230	138	194	36	62	60	46	92	4	2	1	5	1	52	0	36	10	5	1	0	20	2
INAC261	12	16	193	110	166	27	47	49	37	83	3	2	1	4	1	42	0	28	8	5	0	0	15	2
INAC261	16	20	88	52	69	19	24	20	14	37	2	1	1	2	0	17	0	11	3	2	0	0	11	1
INAC261	20	24	61	35	52	9	15	14	11	26	1	1	0	1	0	14	0	8	3	1	0	0	6	1
INAC261	24	28	51	30	42	10	13	11	8	21	1	1	0	1	0	12	0	6	2	1	0	0	6	1
INAC261	28	32	279	93	244	35	44	40	25	185	4	2	1	4	1	28	0	19	6	6	1	0	19	2
INAC261	32	36	182	134	166	16	43	49	42	48	2	1	1	2	0	72	0	31	10	4	0	0	9	1
INAC261	36	40	210	104	200	9	27	33	28	106	1	0	0	1	0	64	0	20	8	2	0	0	5	0
INAC261	40	44	695	295	669	26	103	130	112	400	3	1	2	5	0	147	0	84	28	10	1	0	13	1
INAC261	44	48	510	280	486	24	93	118	102	229	3	1	2	5	0	147	0	77	25	9	1	0	12	1
INAC261	48	52	238	130	227	11	41	53	45	108	1	0	1	2	0	71	0	34	11	4	0	0	5	0
INAC261	52	55	1432	750	1321	111	301	348	283	682	11	5	5	20	2	325	1	221	62	31	2	1	61	4
INAC262	0	4	227	136	194	33	58	59	44	91	4	2	1	4	1	53	0	34	10	6	1	0	19	2
INAC262	4	8	220	129	184	36	59	55	41	91	4	2	1	4	1	46	0	32	9	5	1	0	21	2
INAC262	8	12	164	93	142	22	39	41	30	71	2	1	1	3	0	36	0	23	7	5	0	0	12	1
INAC262	12	16	209	116	180	28	51	51	39	93	3	2	1	4	1	44	0	30	9	5	0	0	17	2
INAC262	16	20	133	75	109	23	35	32	24	58	2	2	1	3	0	24	0	18	5	4	0	0	14	2
INAC262	20	24	47	29	38	8	13	11	9	17	1	1	0	1	0	12	0	7	2	1	0	0	5	1
INAC262	24	28	128	59	107	21	29	24	17	69	2	1	1	2	0	18	0	13	4	3	0	0	13	1
INAC262	28	32	196	86	170	27	39	37	25	110	3	2	1	4	1	30	0	20	5	4	0	0	15	2
INAC262	32	36	98	76	84	14	27	29	23	22	1	1	0	2	0	36	0	17	5	3	0	0	8	1
INAC262	36	40	74	57	63	11	21	19	16	17	1	1	0	1	0	28	0	12	4	1	0	0	7	1
INAC262	40	44	518	289	492	25	92	117	99	229	3	1	2	5	0	155	0	74	25	9	1	0	12	1
INAC262	44	48	807	460	766	41	146	186	158	346	5	2	2	9	1	247	0	118	40	14	1	0	20	2
INAC262	48	52	756	437	706	49	145	175	146	319	5	2	2	9	1	227	0	110	36	14	1	0	27	2
INAC262	52	56	1011	566	946	65	194	234	196	445	7	3	3	11	1	286	0	147	49	19	1	0	36	2
INAC262	56	60	932	518	877	55	180	224	188	414	6	3	3	10	1	257	0	141	47	18	1	0	28	2
INAC262	60	64	810	450	757	54	163	202	167	360	6	2	3	10	1	213	0	126	41	17	1	0	27	2
INAC262	64	68	607	351	534	73	147	161	124	257	8	4	3	11	1	138	0	96	28	16	2	1	38	4
INAC262	68	71	1600	1123	1214	386	535	432	304	477	35	20	9	46	7	392	2	241	63	41	6	2	243	15
INAC263	0	4	306	195	249	57	90	83	62	111	5	3	1	7	1	68	0	48	14	8	1	0	34	2
INAC263	4	8	301	175	260	40	74	77	58	126	4	2	1	6	1	69	0	45	13	8	1	0	23	2
INAC263	8	12	214	128	181	33	56	54	41	86	3	2	1	4	1	49	0	31	10	5	0	0	20	2
INAC263	12	16	209	121	181	28	51	51	39	88	3	1	1	4	0	49	0	30	9	5	0	0	17	1
INAC263	16	20	171	95	146	25	43	42	32	77	3	2	1	3	0	34	0	25	7	4	0	0	14	1

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC263	20	24	146	84	127	18	35	37	29	62	2	1	1	2	0	33	0	22	7	3	0	0	10	1
INAC263	24	28	40	24	34	6	11	11	8	16	1	0	0	1	0	9	0	7	2	1	0	0	4	0
INAC263	28	32	32	22	25	7	10	8	6	10	1	0	0	1	0	8	0	5	1	1	0	0	4	1
INAC263	32	36	74	27	65	9	11	10	7	48	1	1	0	1	0	9	0	5	2	1	0	0	5	1
INAC263	36	40	73	20	66	6	9	9	7	52	1	0	0	1	0	7	0	5	1	1	0	0	3	1
INAC263	40	44	33	22	26	7	10	9	7	11	1	1	0	1	0	7	0	5	1	1	0	0	4	1
INAC263	44	48	85	48	70	16	22	21	15	37	2	1	0	2	0	15	0	11	4	2	0	0	8	1
INAC263	48	52	192	54	171	21	27	25	17	138	3	2	0	2	1	13	0	13	4	3	0	0	11	2
INAC263	52	56	255	195	222	32	80	94	76	59	4	2	1	5	1	79	0	59	18	8	1	0	16	2
INAC263	56	60	201	147	169	32	61	68	51	54	4	2	1	5	1	56	0	39	12	8	1	0	17	2
INAC263	60	64	194	167	143	52	77	69	49	28	5	3	1	7	1	59	0	39	11	7	1	0	31	3
INAC263	64	68	148	119	89	60	68	41	26	29	4	3	1	5	1	28	0	21	5	5	1	0	41	3
INAC263	68	72	80	57	51	30	37	26	17	23	3	1	0	3	1	8	0	14	3	3	0	0	20	1
INAC263	72	76	53	37	35	18	22	17	11	16	2	1	0	2	0	6	0	9	2	2	0	0	11	1
INAC263	76	80	49	34	32	17	19	15	9	15	2	1	0	2	0	6	0	7	2	2	0	0	10	1
INAC263	80	84	53	40	34	19	24	16	11	13	2	1	0	2	0	8	0	9	2	2	0	0	13	1
INAC263	84	88	38	27	24	14	17	11	7	11	1	1	0	1	0	4	0	6	1	1	0	0	9	1
INAC263	88	92	37	27	24	14	16	11	7	11	1	1	0	1	0	5	0	6	1	1	0	0	9	1
INAC263	92	96	39	27	25	14	16	11	7	12	1	1	0	1	0	5	0	6	2	1	0	0	9	1
INAC263	96	10	36	25	22	13	14	9	6	11	1	1	0	1	0	4	0	5	1	1	0	0	8	1
INAC263	100	10	44	31	28	16	18	12	8	14	1	1	0	1	0	5	0	6	2	1	0	0	10	1
INAC264	0	4	238	132	202	37	61	56	43	107	4	2	1	4	1	48	0	33	9	5	1	0	22	2
INAC264	4	8	227	138	190	37	63	60	46	89	4	2	1	4	1	49	0	36	10	6	1	0	22	2
INAC264	8	12	210	128	173	37	59	52	39	82	3	2	1	4	1	46	0	31	8	5	0	0	23	2
INAC264	12	16	213	121	184	29	53	52	40	92	3	1	1	4	0	47	0	31	9	5	0	0	18	2
INAC264	16	20	179	102	151	28	47	44	34	77	3	2	1	3	1	36	0	27	7	4	0	0	17	2
INAC264	20	24	186	102	163	23	43	44	34	84	2	1	1	3	0	41	0	27	8	4	0	0	13	1
INAC264	24	28	111	44	95	16	22	20	14	66	2	1	1	2	0	12	0	11	3	3	0	0	8	1
INAC264	28	32	334	165	242	92	100	67	40	169	10	7	3	8	2	25	1	32	8	8	1	1	54	6
INAC264	32	36	115	80	80	35	44	36	24	34	4	2	1	4	1	17	0	19	5	4	1	0	19	3
INAC264	36	40	165	133	97	68	80	50	33	31	6	4	1	5	1	27	1	27	6	5	1	1	45	4
INAC265	0	4	235	149	186	49	72	61	45	86	4	2	1	6	1	49	0	36	10	5	1	0	31	2
INAC265	4	8	225	131	188	37	59	55	42	94	4	2	1	4	1	47	0	32	10	5	1	0	22	2
INAC265	8	12	244	141	206	38	63	60	46	102	3	2	1	4	1	52	0	35	10	6	1	0	23	2
INAC265	12	16	206	122	177	29	52	52	40	83	3	2	1	3	1	49	0	31	9	5	0	0	17	1
INAC265	16	20	201	115	170	30	51	50	38	86	3	2	1	4	1	42	0	29	9	5	1	0	18	2
INAC265	20	24	195	110	169	26	48	49	38	85	3	2	1	3	0	42	0	29	8	5	0	0	15	2
INAC265	24	28	100	48	86	15	22	21	15	53	2	1	1	2	0	16	0	12	3	2	0	0	8	1
INAC265	28	32	355	212	274	81	113	95	66	143	8	5	3	9	2	54	1	53	13	10	1	1	48	4
INAC265	32	36	207	165	156	51	81	77	56	43	6	3	2	7	1	50	0	44	12	8	1	0	28	3
INAC265	36	40	262	223	156	106	133	92	62	39	9	6	3	10	2	45	1	50	13	9	1	1	69	5
INAC265	40	44	112	79	73	39	46	31	21	33	3	2	1	4	1	16	0	17	4	3	0	0	25	2
INAC265	44	48	90	63	59	30	37	27	17	27	3	2	1	3	1	12	0	14	3	4	0	0	19	2

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC265	48	52	94	66	61	33	40	28	19	27	3	2	1	3	1	12	0	15	4	3	0	0	21	2
INAC265	52	54	90	62	60	30	36	26	17	28	3	2	1	3	1	13	0	13	3	3	0	0	18	2
INAC266	0	4	202	131	162	40	62	54	40	71	4	2	1	4	1	45	0	32	9	5	1	0	25	2
INAC266	4	8	199	117	168	31	53	51	38	82	3	2	1	4	1	42	0	30	9	5	1	0	18	1
INAC266	8	12	257	152	219	38	67	65	49	105	4	2	1	4	1	59	0	38	11	6	1	0	23	2
INAC266	12	16	196	113	170	26	49	50	38	83	2	1	1	4	0	44	0	29	9	5	0	0	15	1
INAC266	16	20	149	87	125	24	41	39	29	62	3	2	1	3	0	30	0	23	6	4	0	0	13	1
INAC266	20	24	108	55	94	14	24	24	18	53	2	1	1	2	0	21	0	14	4	2	0	0	7	1
INAC266	24	28	410	254	363	47	100	107	86	156	4	3	1	6	1	112	0	66	20	10	1	0	28	2
INAC266	28	32	42	32	31	11	15	12	8	10	1	1	0	1	0	11	0	7	2	1	0	0	7	1
INAC266	32	36	86	62	68	18	29	28	21	25	2	1	0	2	0	20	0	16	5	3	0	0	11	1
INAC266	36	40	64	42	51	13	20	18	13	22	1	1	0	1	0	13	0	10	3	2	0	0	8	1
INAC266	40	44	87	55	73	14	25	25	19	32	1	1	0	2	0	19	0	14	4	3	0	0	9	1
INAC266	44	48	13	9	9	3	5	4	3	4	0	0	0	0	0	2	0	2	1	0	0	0	2	0
INAC266	48	52	17	11	13	5	6	5	3	7	0	0	0	0	0	2	0	2	1	1	0	0	3	0
INAC266	52	56	39	22	33	6	9	8	6	17	1	0	0	1	0	9	0	5	1	1	0	0	4	0
INAC266	56	60	224	128	207	17	41	46	39	96	2	1	1	2	0	69	0	28	10	3	0	0	10	1
INAC266	60	64	371	193	337	34	74	80	65	178	3	2	1	4	1	88	0	49	16	7	1	0	20	1
INAC267	0	4	239	143	203	35	62	61	46	96	4	2	1	4	1	55	0	36	10	6	1	0	21	2
INAC267	4	8	231	133	197	34	58	56	42	98	3	2	1	5	1	51	0	33	9	5	1	0	20	2
INAC267	8	12	189	108	161	28	48	46	35	81	3	2	1	3	1	40	0	27	8	4	0	0	17	2
INAC267	12	16	230	134	197	32	55	55	42	96	3	2	1	4	1	54	0	32	10	5	1	0	18	2
INAC267	16	20	192	113	163	29	50	50	38	79	3	2	1	4	1	41	0	29	8	5	0	0	17	2
INAC267	20	25	178	86	157	21	36	36	27	92	2	1	1	2	0	34	0	21	6	4	0	0	12	1
INAC268	0	4	210	119	176	33	55	52	39	91	3	2	1	4	1	41	0	30	9	5	1	0	20	2
INAC268	4	8	225	133	188	37	62	58	44	92	4	2	1	5	1	47	0	34	9	5	1	0	22	2
INAC268	8	12	212	134	160	51	65	49	36	78	5	4	1	4	1	43	1	27	8	5	1	1	31	4
INAC268	12	16	241	145	210	31	62	65	51	96	3	2	1	4	1	57	0	40	11	6	1	0	18	2
INAC268	16	20	185	103	157	28	46	44	33	82	3	2	1	3	1	37	0	26	8	4	1	0	16	2
INAC268	20	24	432	146	406	26	56	63	49	286	3	1	1	4	1	64	0	38	12	6	0	0	14	1
INAC268	24	28	523	427	484	40	146	182	156	96	4	2	1	7	1	218	0	118	38	13	1	0	21	2
INAC268	28	32	98	64	88	11	24	26	21	34	1	1	0	1	0	30	0	16	5	2	0	0	6	1
INAC268	32	36	57	44	48	8	16	16	13	12	1	0	0	1	0	22	0	10	3	1	0	0	5	1
INAC268	36	40	341	187	306	35	68	66	55	154	3	2	0	4	1	92	0	40	14	5	0	0	24	1
INAC268	40	44	57	34	45	12	16	13	9	23	1	1	0	1	0	12	0	7	2	1	0	0	7	1
INAC268	44	48	23	15	17	6	8	6	4	8	1	0	0	0	0	5	0	3	1	0	0	0	4	0
INAC268	48	52	28	18	23	5	8	7	5	11	0	0	0	1	0	6	0	4	1	1	0	0	3	0
INAC268	52	56	86	51	75	10	21	21	17	35	1	1	0	1	0	22	0	13	4	2	0	0	6	0
INAC268	56	60	38	20	35	3	7	8	6	18	0	0	0	0	0	10	0	5	2	1	0	0	2	0
INAC268	60	64	207	111	192	15	39	45	38	96	1	1	0	2	0	55	0	28	9	3	0	0	9	1
INAC268	64	69	598	323	568	30	104	128	111	275	3	1	1	5	0	173	0	83	28	9	1	0	17	1
INAC269	0	4	219	128	180	39	60	55	40	91	4	2	1	5	1	44	0	31	9	6	1	0	24	2
INAC269	4	8	213	124	178	36	57	53	40	89	3	2	1	4	1	43	0	30	9	6	1	0	22	2

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC269	8	12	221	128	188	33	57	56	43	93	3	2	1	4	1	47	0	33	10	5	1	0	19	2
INAC269	12	16	215	118	187	28	52	52	40	97	3	1	1	4	1	45	0	31	9	5	1	0	17	1
INAC269	16	20	177	99	150	26	43	42	31	78	3	2	1	3	0	37	0	24	8	4	1	0	15	2
INAC269	20	24	213	119	187	26	49	52	40	94	3	2	1	3	0	48	0	31	9	5	0	0	15	1
INAC269	24	28	202	108	176	26	47	47	36	93	3	1	1	3	1	42	0	28	8	5	0	0	14	1
INAC269	28	32	106	66	83	23	33	29	21	40	2	2	1	3	0	19	0	16	5	3	0	0	13	1
INAC269	32	36	128	80	104	23	36	33	24	48	3	1	1	2	0	29	0	19	5	3	0	0	14	1
INAC269	36	40	105	63	91	14	25	26	20	42	1	1	1	2	0	27	0	15	5	2	0	0	8	1
INAC269	40	44	179	97	167	12	33	39	33	82	1	1	1	2	0	49	0	25	8	3	0	0	6	0
INAC269	44	48	119	66	107	11	25	27	23	53	1	1	0	1	0	30	0	17	5	2	0	0	6	1
INAC269	48	52	150	80	131	19	33	34	26	70	2	1	0	2	0	32	0	19	6	3	0	0	11	1
INAC269	52	56	150	83	136	14	31	34	28	68	1	1	0	2	0	37	0	21	7	3	0	0	9	1
INAC269	56	60	356	198	320	36	75	81	65	158	3	2	2	5	1	90	0	49	16	7	1	0	20	2
INAC269	60	64	87	62	58	29	36	28	18	26	3	2	1	3	1	12	0	15	4	3	0	0	17	2
INAC269	64	68	210	120	182	28	52	51	40	90	3	1	1	3	1	47	0	30	9	5	0	0	17	2
INAC269	68	72	214	116	199	15	40	46	39	98	2	1	1	2	0	58	0	29	10	3	0	0	9	1
INAC269	72	76	82	50	66	17	24	22	16	32	2	1	0	2	0	16	0	13	4	2	0	0	10	1
INAC269	76	78	21	13	17	5	6	5	4	8	1	0	0	0	0	4	0	3	1	0	0	0	3	0
INAC270	0	4	190	119	156	34	54	51	38	71	3	2	1	4	1	42	0	29	9	5	1	0	20	2
INAC270	4	8	212	122	177	35	59	54	40	90	3	2	1	4	1	41	0	32	9	6	1	0	21	2
INAC270	8	12	225	130	193	32	57	56	43	95	3	2	1	4	1	50	0	33	10	5	1	0	19	2
INAC270	12	16	199	120	172	27	51	51	39	79	3	1	1	3	0	49	0	31	9	5	0	0	16	1
INAC270	16	20	180	102	154	26	44	44	33	78	3	1	1	3	0	39	0	26	8	4	1	0	15	2
INAC270	20	24	223	124	194	29	52	53	41	99	3	2	1	4	1	49	0	31	10	5	0	0	16	2
INAC270	24	28	158	82	138	21	36	36	27	77	2	1	1	2	0	30	0	21	6	4	0	0	12	1
INAC270	28	32	69	42	57	13	19	17	13	27	1	1	0	1	0	15	0	10	3	2	0	0	7	1
INAC270	32	36	108	64	81	27	34	27	19	44	3	2	1	3	1	15	0	15	4	3	0	0	16	2
INAC270	36	40	116	83	76	40	48	35	22	34	4	2	1	3	1	16	0	18	5	4	1	0	25	2
INAC270	40	44	99	69	69	30	37	29	19	30	3	2	1	3	1	16	0	15	4	3	0	0	18	2
INAC270	44	48	141	91	108	34	46	38	27	51	3	2	1	3	1	26	0	21	6	4	1	0	20	2
INAC270	48	52	91	63	61	30	36	28	18	28	3	2	1	3	1	12	0	14	4	3	1	0	17	2
INAC271	0	4	229	142	187	42	69	63	48	87	4	2	1	5	1	47	0	38	10	6	1	0	26	2
INAC271	4	8	176	110	141	35	53	46	34	66	3	2	1	4	1	36	0	27	7	5	1	0	21	2
INAC271	8	12	186	113	156	30	50	49	37	73	3	2	1	4	1	42	0	28	8	5	1	0	17	2
INAC271	12	16	213	123	181	32	55	54	40	90	3	2	1	4	1	46	0	31	9	5	1	0	19	2
INAC271	16	20	187	109	154	33	51	47	34	78	4	2	1	4	1	37	0	27	8	5	1	0	19	2
INAC271	20	24	181	101	157	24	44	45	35	80	2	1	1	3	0	38	0	27	8	4	0	0	14	1
INAC271	24	28	330	137	306	24	54	60	48	193	3	1	1	4	0	60	0	37	11	5	0	0	13	1
INAC271	28	32	450	176	430	19	60	73	61	274	2	1	1	3	0	89	0	46	15	6	0	0	10	1
INAC272	0	4	206	119	172	34	56	52	39	87	3	2	1	4	1	42	0	31	9	4	1	0	20	2
INAC272	4	8	216	126	183	33	58	59	44	91	4	2	1	5	1	43	0	35	9	6	1	0	18	1
INAC272	8	12	193	113	163	30	52	50	38	81	3	2	1	3	1	39	0	29	8	5	0	0	18	2
INAC272	12	16	185	108	161	24	47	48	38	77	3	1	1	3	0	42	0	30	8	4	0	0	14	1

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC272	16	20	172	94	147	25	41	41	30	78	3	1	1	3	0	35	0	23	7	4	0	0	13	2
INAC272	20	24	144	80	123	21	36	35	27	63	2	1	1	2	0	30	0	21	6	3	0	0	12	1
INAC272	24	28	167	87	149	18	37	40	31	80	2	1	1	3	0	34	0	25	6	4	0	0	10	1
INAC272	28	32	1183	622	1119	64	225	281	238	561	7	3	2	14	1	299	0	181	56	21	2	0	33	2
INAC272	32	36	265	135	252	13	44	56	48	130	1	1	0	3	0	70	0	36	12	4	0	0	6	1
INAC272	36	39	179	90	161	18	35	37	30	89	2	1	0	2	0	40	0	23	8	2	0	0	10	1
INAC273	0	4	231	147	188	43	71	66	50	84	4	2	1	6	1	48	0	40	10	6	1	0	26	2
INAC273	4	8	172	102	143	29	48	46	34	70	3	2	1	4	1	35	0	27	8	4	1	0	17	2
INAC273	8	12	221	135	186	34	60	59	45	86	3	2	1	5	1	50	0	35	10	6	1	0	20	2
INAC273	12	16	204	117	176	28	51	52	40	87	3	2	1	4	1	45	0	31	9	5	0	0	16	1
INAC273	16	20	195	112	166	29	50	50	38	83	3	2	1	4	0	41	0	30	8	4	1	0	16	2
INAC273	20	24	181	101	159	22	43	44	35	80	3	1	1	3	0	41	0	27	8	3	0	0	12	1
INAC273	24	28	267	146	235	32	62	66	51	121	3	2	1	5	1	57	0	40	11	6	1	0	18	2
INAC273	28	32	93	55	82	11	23	25	19	38	1	1	0	1	0	22	0	15	4	2	0	0	6	1
INAC273	32	36	28	18	22	6	9	7	6	10	0	0	0	1	0	6	0	4	1	1	0	0	4	0
INAC273	36	40	83	58	56	27	34	26	17	26	3	2	1	3	1	11	0	14	3	3	0	0	16	2
INAC273	40	44	101	74	63	38	44	30	19	27	4	2	1	4	1	13	0	15	4	4	1	0	24	2
INAC273	44	48	107	72	75	32	40	31	20	35	4	2	1	3	1	16	0	16	4	3	0	0	19	2
INAC273	48	52	80	58	50	30	35	26	15	23	3	2	1	3	1	9	0	12	3	3	0	0	18	2
INAC273	52	56	81	58	50	30	35	25	16	23	3	2	1	3	1	9	0	12	3	3	0	0	18	2
INAC273	56	60	65	48	38	28	30	19	12	17	3	2	1	2	1	7	0	10	2	2	0	0	17	2
INAC273	60	63	58	43	33	25	27	17	10	15	3	1	1	2	1	6	0	8	2	2	0	0	15	1
INAC274	0	4	210	117	174	36	55	49	36	93	3	2	1	4	1	41	0	28	8	5	1	0	22	2
INAC274	4	8	244	139	208	36	61	60	45	105	4	2	1	5	1	51	0	35	11	6	1	0	21	2
INAC274	8	12	216	132	179	36	58	55	40	84	4	2	1	4	1	49	0	31	9	6	1	0	22	2
INAC274	12	16	198	120	168	30	49	48	36	79	3	2	1	4	0	49	0	27	9	5	1	0	17	1
INAC274	16	20	184	109	153	31	49	45	34	75	3	2	1	4	1	40	0	26	8	4	0	0	18	2
INAC274	20	24	184	102	157	27	44	44	33	81	3	2	1	4	0	39	0	25	8	4	0	0	14	1
INAC274	24	28	177	98	154	24	42	41	32	79	2	1	1	3	0	39	0	24	8	3	0	0	14	1
INAC274	28	32	73	39	61	12	18	16	11	34	1	1	0	1	0	14	0	9	2	2	0	0	7	1
INAC274	32	36	42	23	36	6	9	9	7	19	1	0	0	1	0	9	0	5	2	1	0	0	3	1
INAC274	36	40	51	35	41	10	14	12	9	17	1	1	0	1	0	14	0	7	2	1	0	0	6	1
INAC274	40	44	38	27	31	7	10	8	7	10	1	0	0	0	0	13	0	5	2	1	0	0	5	1
INAC274	44	48	24	16	20	4	5	5	3	8	0	0	0	0	0	8	0	2	1	0	0	0	2	0
INAC274	48	52	106	66	97	9	20	22	18	40	1	1	0	1	0	36	0	13	5	2	0	0	5	1
INAC274	52	56	285	132	269	16	39	46	37	153	2	1	1	2	0	75	0	27	10	4	0	0	9	1
INAC274	56	60	113	58	98	15	21	19	14	55	1	1	0	2	0	27	0	10	4	2	0	0	9	1
INAC274	60	64	200	93	178	22	35	35	26	107	2	1	1	3	0	41	0	19	7	3	0	0	13	1
INAC274	64	68	107	51	84	22	27	19	13	56	2	2	1	2	0	14	0	10	3	2	0	0	13	2
INAC274	68	72	283	209	211	73	108	98	69	75	8	4	3	9	1	56	1	55	14	11	1	1	41	4
INAC274	72	77	404	233	350	54	94	93	72	171	5	3	2	6	1	99	0	54	18	8	1	0	32	3
INAC275	0	4	201	125	164	38	58	53	39	76	3	2	1	5	1	44	0	30	9	5	1	0	23	2
INAC275	4	8	219	134	181	38	61	57	42	85	4	2	1	5	1	49	0	32	10	5	1	0	23	2

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC275	8	12	246	149	207	39	65	62	47	97	4	2	1	5	1	57	0	36	11	6	1	0	23	2
INAC275	12	16	183	108	157	25	45	45	34	75	3	1	1	3	0	44	0	26	8	4	0	0	14	1
INAC275	16	20	157	92	133	24	39	38	29	65	2	2	1	3	0	36	0	22	7	3	0	0	13	2
INAC275	20	24	257	142	231	27	57	62	49	116	3	2	1	4	1	60	0	38	11	6	0	0	15	2
INAC275	24	28	293	137	261	31	56	59	44	156	3	2	1	5	1	55	0	33	11	6	1	0	18	1
INAC275	28	32	256	140	224	32	55	55	43	117	3	2	1	4	1	60	0	32	11	5	1	0	19	2
INAC275	32	37	341	177	313	29	63	70	57	165	3	2	2	4	1	85	0	43	14	6	1	0	15	2
INAC276	0	4	234	125	200	34	56	53	40	110	3	2	1	4	1	46	0	30	9	5	1	0	20	2
INAC276	4	8	192	109	162	30	48	46	34	84	3	2	1	4	1	40	0	26	8	5	0	0	17	2
INAC276	8	12	193	116	162	31	51	49	37	78	3	2	1	4	1	43	0	28	8	5	0	0	18	2
INAC276	12	16	184	106	160	24	43	44	34	78	2	1	1	3	0	44	0	26	9	4	0	0	14	1
INAC276	16	20	221	126	193	28	50	53	41	94	3	2	1	4	1	53	0	31	10	5	1	0	15	2
INAC276	20	24	202	109	178	24	45	45	36	93	2	1	1	3	0	45	0	27	9	4	0	0	14	1
INAC276	24	28	172	93	149	24	39	38	29	79	2	1	1	3	1	37	0	22	7	4	0	0	13	1
INAC276	28	32	137	72	121	17	29	29	23	65	2	1	0	2	0	30	0	17	6	3	0	0	10	1
INAC276	32	36	56	27	49	6	9	9	7	29	1	0	0	1	0	13	0	5	2	1	0	0	4	0
INAC276	36	40	208	80	198	10	24	28	23	128	1	1	1	1	0	45	0	17	6	2	0	0	5	1
INAC276	40	44	164	70	151	12	26	29	23	94	1	1	0	2	0	32	0	17	6	2	0	0	7	1
INAC277	0	4	215	132	173	42	63	55	41	83	4	2	1	4	1	44	0	31	9	6	1	0	26	2
INAC277	4	8	260	158	221	39	69	67	52	102	3	2	1	5	1	61	0	40	12	6	1	0	24	2
INAC277	8	12	206	123	177	29	52	53	40	83	3	2	1	4	1	49	0	31	9	6	0	0	17	1
INAC277	12	16	207	117	179	28	50	50	38	90	3	2	1	3	1	46	0	29	9	5	0	0	17	2
INAC277	16	20	248	138	218	30	55	58	45	110	3	2	1	4	1	58	0	34	11	5	1	0	17	2
INAC277	20	24	225	123	200	25	49	54	41	102	3	1	1	4	0	51	0	31	10	6	0	0	14	1
INAC277	24	28	290	153	259	31	60	64	51	137	3	2	1	5	1	66	0	37	13	5	1	0	18	2
INAC277	28	32	246	127	220	27	52	55	43	119	3	1	1	4	0	53	0	33	11	5	1	0	15	1
INAC277	32	36	44	27	37	7	11	11	8	18	1	1	0	1	0	10	0	6	2	1	0	0	4	1
INAC277	36	40	38	23	31	6	10	8	6	14	1	0	0	1	0	10	0	5	1	1	0	0	4	0
INAC277	40	44	58	39	53	6	10	11	9	19	0	0	0	1	0	24	0	6	3	1	0	0	3	0
INAC277	44	48	242	166	230	13	37	47	39	76	1	1	1	2	0	110	0	28	11	4	0	0	7	1
INAC277	48	52	1595	992	1500	95	308	394	332	603	11	5	5	18	2	534	0	241	91	31	2	1	48	3
INAC277	52	56	1042	504	987	55	161	202	166	538	7	3	3	10	1	265	0	122	44	18	1	0	28	2
INAC277	56	60	3775	1503	3626	149	530	668	563	2273	18	7	9	30	3	737	1	426	137	54	4	1	73	5
INAC277	60	64	731	366	685	46	123	145	120	365	5	2	2	8	1	188	0	90	31	11	1	0	25	2
INAC277	64	68	688	334	653	35	102	128	107	354	4	2	2	6	1	182	0	78	29	11	1	0	18	1
INAC277	68	72	989	397	940	49	143	173	143	592	5	2	3	9	1	191	0	108	34	15	1	0	25	2
INAC277	72	76	1057	513	984	73	186	215	178	544	8	3	4	11	1	245	0	132	46	17	1	1	41	3
INAC277	76	79	1557	589	1476	81	239	283	233	968	8	4	4	13	2	249	0	180	53	26	2	0	44	3
INAC278	0	4	200	116	168	32	52	51	37	84	3	2	1	4	0	42	0	28	9	5	0	0	19	2
INAC278	4	8	188	111	164	24	46	47	37	78	2	1	1	3	0	45	0	28	9	4	0	0	15	1
INAC278	8	12	45	26	37	8	12	10	7	19	1	0	0	1	0	10	0	6	2	1	0	0	5	1
INAC278	12	16	173	50	152	21	26	21	13	123	2	1	1	2	0	13	0	10	3	3	0	0	12	1
INAC278	16	20	142	93	119	23	39	37	28	49	2	1	1	3	0	38	0	21	7	4	0	0	14	1

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC278	20	24	255	135	234	20	48	56	45	119	2	1	1	3	0	64	0	33	12	6	0	0	11	1
INAC278	24	26	63	43	44	19	23	16	11	21	2	1	0	2	0	11	0	9	2	1	0	0	12	2
INAC279	0	4	219	130	184	36	58	55	40	89	4	2	1	4	1	48	0	31	10	6	1	0	22	2
INAC279	4	8	220	136	175	45	63	54	40	83	4	3	1	4	1	47	0	30	9	5	1	0	27	3
INAC279	8	12	61	33	55	5	10	11	8	27	1	0	0	1	0	19	0	6	2	1	0	0	3	0
INAC279	12	16	232	103	210	22	34	31	23	128	2	1	1	3	0	56	0	17	6	3	0	0	13	1
INAC279	16	20	172	87	154	17	30	31	23	84	2	1	1	2	0	44	0	17	6	3	0	0	10	1
INAC279	20	25	30	20	24	6	9	6	5	10	1	0	0	1	0	9	0	4	1	0	0	0	4	0
INAC280	0	4	198	120	166	32	55	53	40	78	3	2	1	4	1	43	0	31	9	5	0	0	19	2
INAC280	4	8	291	167	259	33	70	76	60	124	3	2	1	5	1	67	0	47	13	7	1	0	18	2
INAC280	8	12	274	137	256	19	42	48	38	138	2	1	1	3	0	76	0	29	10	4	0	0	9	1
INAC280	12	16	352	197	283	70	103	97	68	155	8	4	2	10	1	49	0	54	15	10	1	1	38	4
INAC281	0	4	189	116	157	33	54	50	38	74	3	2	1	4	1	41	0	30	8	4	1	0	19	2
INAC281	4	8	248	147	210	38	67	65	50	101	4	2	1	5	1	53	0	39	11	6	1	0	22	2
INAC281	8	12	136	82	114	21	36	36	27	54	2	1	1	3	0	30	0	21	6	4	0	0	12	1
INAC281	12	14	128	76	105	23	35	32	23	52	2	1	1	3	0	27	0	18	5	3	0	0	14	1
INAC282	0	4	205	128	166	39	59	54	39	77	4	2	1	5	1	44	0	30	9	6	1	0	23	2
INAC282	4	8	215	130	187	28	54	58	45	85	3	2	1	4	1	53	0	35	10	5	1	0	15	2
INAC282	8	12	126	73	108	18	31	32	24	53	2	1	1	3	0	28	0	18	6	3	0	0	10	1
INAC282	12	14	82	47	69	13	21	19	14	35	1	1	1	2	0	19	0	11	3	2	0	0	7	1
INAC283	0	4	226	145	185	41	66	63	47	81	4	2	1	6	1	51	0	37	10	6	1	0	24	2
INAC283	4	8	233	137	201	32	61	62	49	95	3	2	1	4	0	51	0	39	10	5	1	0	18	2
INAC283	8	12	129	77	110	19	33	32	24	52	2	1	1	2	0	30	0	19	5	3	0	0	11	1
INAC283	12	16	40	29	30	9	11	9	6	11	1	1	0	1	0	12	0	5	2	1	0	0	5	1
INAC283	16	20	40	25	32	8	12	12	8	16	1	1	0	1	0	7	0	7	2	1	0	0	4	1
INAC283	20	24	148	55	131	17	25	24	17	94	2	1	1	2	0	18	0	13	4	2	0	0	9	1
INAC283	24	28	519	253	440	78	111	103	73	265	9	6	2	10	2	92	1	56	17	10	1	1	42	5
INAC283	28	32	163	115	127	36	54	47	35	48	3	2	1	4	1	40	0	27	8	4	1	0	22	2
INAC283	32	36	131	85	97	34	44	35	24	46	3	2	1	3	1	23	0	19	5	4	1	0	20	2
INAC284	0	4	222	139	184	38	62	60	44	83	3	2	1	5	1	50	0	35	9	7	1	0	22	2
INAC284	4	8	253	154	216	37	67	68	52	99	3	2	1	6	1	59	0	41	11	6	1	0	21	2
INAC284	8	12	199	119	172	27	50	52	39	79	3	1	1	4	0	48	0	30	9	5	0	0	15	1
INAC284	12	16	210	118	181	28	52	51	40	92	3	2	1	3	1	45	0	31	9	5	0	0	17	2
INAC284	16	20	197	103	163	34	50	45	32	93	4	2	1	4	1	32	0	25	7	5	1	0	20	2
INAC284	20	24	62	39	46	16	20	15	11	22	1	1	0	2	0	11	0	8	2	1	0	0	10	1
INAC284	24	28	25	16	17	8	9	6	4	9	1	1	0	1	0	4	0	3	1	1	0	0	5	1
INAC284	28	32	23	12	16	6	7	5	3	10	1	0	0	0	0	3	0	2	1	1	0	0	4	1
INAC284	32	36	22	14	16	7	7	5	3	8	1	1	0	1	0	4	0	2	1	1	0	0	4	1
INAC284	36	40	23	16	18	5	6	5	4	8	0	0	0	0	0	6	0	3	1	1	0	0	3	0
INAC284	40	44	125	73	111	14	26	29	22	53	2	1	0	3	0	34	0	17	5	3	0	0	7	1
INAC284	44	48	273	149	247	26	57	67	51	124	3	1	1	5	0	65	0	39	12	7	1	0	13	1
INAC284	48	52	268	149	232	36	64	64	49	119	4	2	1	5	1	59	0	38	11	6	1	0	20	2
INAC284	52	56	461	262	401	60	106	109	81	199	6	3	1	9	1	109	0	63	18	11	1	0	34	3

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC284	56	60	435	245	386	49	95	99	76	190	5	2	1	7	1	109	0	58	18	11	1	0	30	2
INAC284	60	64	582	324	521	61	122	128	102	258	5	3	1	8	1	150	0	77	25	11	1	0	37	3
INAC284	64	67	199	118	165	34	52	44	33	81	3	2	1	3	1	47	0	26	7	4	0	0	22	2
INAC285	0	4	184	115	149	35	53	49	36	69	4	2	1	4	1	39	0	28	8	5	1	0	21	2
INAC285	4	8	204	119	177	27	51	51	40	85	3	1	1	3	1	48	0	31	9	4	0	0	15	1
INAC285	8	12	213	118	185	28	49	52	38	95	3	1	1	4	1	47	0	29	9	6	0	0	15	2
INAC285	12	16	233	127	207	26	52	56	44	106	3	2	1	4	0	52	0	34	10	5	1	0	14	1
INAC285	16	20	208	115	186	23	46	50	40	93	2	1	1	3	0	48	0	30	9	5	0	0	13	1
INAC285	20	24	96	52	80	16	24	23	17	43	2	1	0	2	0	17	0	13	4	3	0	0	9	1
INAC285	24	28	34	18	27	7	9	8	5	16	1	1	0	1	0	5	0	4	1	1	0	0	4	1
INAC285	28	32	19	12	14	5	6	4	3	8	0	0	0	0	0	3	0	2	1	0	0	0	3	1
INAC285	32	36	30	17	22	8	8	6	4	13	1	1	0	0	0	4	0	3	1	1	0	0	5	1
INAC285	36	40	27	17	18	9	9	6	4	10	1	1	0	1	0	4	0	3	1	1	0	0	5	1
INAC285	40	44	38	25	32	6	7	6	4	13	1	1	0	0	0	15	0	3	1	0	0	0	3	1
INAC285	44	48	382	194	348	33	86	107	84	188	5	2	3	7	1	65	0	65	18	12	1	0	13	2
INAC285	48	52	528	311	427	100	154	158	111	217	14	7	4	13	2	82	1	87	24	18	2	1	46	8
INAC285	52	55	1138	775	774	364	422	315	190	362	40	22	9	43	8	185	2	152	38	37	6	3	215	15
INAC286	0	4	188	118	149	40	57	50	36	71	4	2	1	4	1	37	0	28	8	5	1	0	24	2
INAC286	4	8	218	131	185	32	58	58	44	87	4	2	1	4	1	48	0	34	10	6	1	0	19	2
INAC286	8	12	216	132	175	41	62	55	40	84	4	3	1	4	1	45	0	31	9	5	1	0	25	2
INAC286	12	16	194	111	171	23	46	50	39	83	2	1	1	3	1	44	0	30	9	5	0	0	13	1
INAC286	16	20	209	120	176	33	55	52	39	89	3	2	1	4	1	42	0	31	9	5	1	0	19	2
INAC286	20	24	115	67	95	20	31	29	22	48	2	1	1	2	0	22	0	17	5	3	0	0	11	2
INAC286	24	28	82	46	66	15	22	19	14	36	1	1	0	1	0	14	0	10	3	3	0	0	9	1
INAC286	28	32	55	26	44	11	14	11	7	29	1	1	0	1	0	7	0	6	2	1	0	0	6	1
INAC286	32	36	129	41	111	18	22	20	12	88	2	1	0	2	1	8	0	9	3	3	0	0	9	1
INAC286	36	40	398	269	330	68	117	118	88	128	8	4	2	9	1	102	1	68	20	12	1	1	38	3
INAC286	40	44	561	372	489	73	151	160	127	189	8	4	3	10	1	158	1	99	28	14	1	1	41	3
INAC286	44	48	143	86	122	21	38	39	29	57	2	1	1	3	0	31	0	23	6	4	0	0	12	1
INAC286	48	52	140	79	119	21	37	37	29	61	2	1	1	3	0	26	0	23	6	3	0	0	12	1
INAC286	52	56	161	103	135	27	50	52	40	58	3	1	1	4	1	32	0	31	9	5	0	0	15	1
INAC286	56	60	193	151	97	96	99	45	27	42	7	5	1	6	2	23	1	22	5	5	1	1	69	4
INAC286	60	62	101	71	67	34	42	29	20	30	3	2	1	3	1	14	0	16	4	3	1	0	22	2
INAC287	0	4	160	97	131	29	45	42	31	63	3	2	1	3	1	33	0	24	7	4	1	0	18	1
INAC287	4	8	195	111	166	29	50	48	37	84	3	2	1	4	1	41	0	29	8	5	0	0	18	1
INAC287	8	12	222	133	192	31	58	58	45	89	3	2	1	4	1	52	0	35	10	5	0	0	18	2
INAC287	12	16	233	131	207	26	54	57	45	102	3	2	1	4	1	54	0	35	10	5	0	0	15	1
INAC287	16	20	184	107	161	23	45	48	38	76	2	1	1	3	0	42	0	29	8	5	0	0	13	1
INAC287	20	24	148	84	127	21	36	36	28	64	2	1	1	3	0	32	0	21	7	3	0	0	12	1
INAC287	24	28	250	140	215	36	65	65	49	111	4	2	1	4	1	48	0	39	10	7	1	0	21	2
INAC287	28	32	110	70	90	20	32	30	23	39	2	1	1	2	0	25	0	18	5	3	0	0	12	1
INAC287	32	36	54	35	42	12	17	15	11	19	1	1	0	1	0	11	0	9	3	2	0	0	7	1
INAC287	36	40	51	32	36	14	17	14	9	19	1	1	0	1	0	6	0	7	2	2	0	0	9	1

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC287	40	44	94	60	68	26	34	30	20	34	3	2	1	3	1	10	0	16	4	4	1	0	15	2
INAC287	44	48	1288	733	1136	152	311	309	252	555	13	8	3	17	2	304	1	194	59	24	2	1	99	6
INAC287	48	51	443	250	388	55	111	115	91	193	5	3	2	7	1	93	0	70	21	11	1	0	33	2
INAC288	0	4	199	121	163	36	56	52	38	77	4	2	1	4	1	42	0	30	9	5	1	0	21	2
INAC288	4	8	258	153	219	39	69	66	51	105	4	2	1	5	1	58	0	39	11	5	1	0	24	2
INAC288	8	12	209	123	180	29	54	53	41	86	3	2	1	4	1	47	0	33	9	5	1	0	17	2
INAC288	12	16	199	109	176	23	46	49	39	90	3	1	1	3	1	43	0	30	9	5	0	0	12	1
INAC288	16	20	204	115	178	26	48	49	38	89	2	2	1	3	0	47	0	29	9	5	0	0	15	1
INAC288	20	24	224	121	195	29	51	51	40	102	3	2	1	4	0	48	0	30	10	5	0	0	17	2
INAC288	24	28	284	155	245	39	69	67	52	128	4	2	1	5	1	58	0	40	11	7	1	0	23	2
INAC288	28	32	245	124	226	19	43	47	38	121	2	1	1	2	0	62	0	28	10	4	0	0	11	1
INAC288	32	36	283	145	268	15	44	53	45	138	2	1	1	3	0	81	0	33	12	4	0	0	9	1
INAC288	36	40	1394	547	1339	55	187	230	195	848	6	3	3	10	1	278	0	148	48	18	1	0	29	2
INAC288	40	43	563	229	542	21	75	92	80	334	2	1	2	4	0	121	0	60	20	7	0	0	11	1
INAC289	0	4	270	149	233	37	64	64	48	121	3	2	1	5	1	57	0	37	11	7	1	0	22	2
INAC289	4	8	248	147	213	35	63	64	49	101	4	2	1	5	1	57	0	38	11	6	1	0	20	2
INAC289	8	12	233	137	199	34	60	57	44	96	3	2	1	4	1	53	0	34	10	5	1	0	20	2
INAC289	12	16	193	114	167	26	49	49	39	78	3	1	1	3	0	45	0	30	9	4	0	0	15	1
INAC289	16	20	199	116	172	27	49	49	37	83	3	2	1	3	0	46	0	29	9	5	0	0	16	1
INAC289	20	24	206	119	181	26	50	52	41	88	3	1	1	3	0	48	0	32	9	5	0	0	14	2
INAC289	24	28	256	148	226	30	60	64	51	108	3	2	1	4	1	62	0	39	12	6	1	0	17	2
INAC289	28	32	109	60	95	15	26	26	20	49	2	1	0	2	0	23	0	15	4	3	0	0	8	1
INAC289	32	36	71	38	62	10	15	14	11	34	1	1	0	1	0	16	0	8	3	2	0	0	5	1
INAC290	0	4	232	130	203	29	54	55	43	102	3	2	1	4	1	53	0	33	10	5	1	0	17	2
INAC290	4	8	239	140	205	33	61	63	48	99	3	2	1	5	1	52	0	37	11	6	1	0	19	2
INAC290	8	12	234	136	201	33	58	58	44	98	4	2	1	5	1	54	0	34	10	5	1	0	19	1
INAC290	12	16	189	109	164	25	47	48	37	79	3	1	1	3	0	44	0	29	9	4	0	0	14	1
INAC290	16	20	191	112	166	25	47	48	37	79	3	2	1	3	1	45	0	29	9	4	0	0	14	2
INAC290	20	24	176	95	155	21	41	43	33	81	2	1	1	3	0	37	0	26	8	4	0	0	12	1
INAC290	24	28	256	125	224	32	57	57	44	131	3	2	1	4	1	44	0	34	10	5	1	0	18	2
INAC290	28	32	112	62	96	16	27	26	20	50	2	1	1	2	0	23	0	16	5	2	0	0	9	1
INAC290	32	36	30	18	24	6	8	7	5	12	1	0	0	1	0	6	0	4	1	1	0	0	3	0
INAC290	36	40	16	9	13	2	4	4	3	7	0	0	0	0	0	3	0	2	1	0	0	0	1	0
INAC290	40	44	34	17	25	9	9	7	4	17	1	1	0	1	0	3	0	3	1	1	0	0	4	1
INAC290	44	48	47	34	28	19	18	13	7	13	2	2	0	2	1	6	0	6	2	2	0	0	9	3
INAC290	48	52	2549	719	2334	215	351	350	251	1830	27	13	8	27	5	212	2	197	54	41	5	2	115	12
INAC290	52	56	476	387	296	180	212	146	95	89	17	11	4	16	3	96	2	76	20	16	3	1	113	10
INAC290	56	60	180	123	132	48	62	47	33	57	5	3	1	5	1	38	0	26	7	5	1	0	30	3
INAC290	60	64	116	76	85	31	39	29	19	40	3	2	1	3	1	22	0	15	4	3	0	0	19	2
INAC291	0	4	209	128	169	39	61	54	40	81	4	2	1	4	1	43	0	31	9	5	1	0	24	2
INAC291	4	8	274	151	232	42	69	64	49	123	4	2	1	5	1	54	0	38	11	5	1	0	25	2
INAC291	8	12	219	134	186	33	57	56	43	85	3	2	1	4	1	54	0	33	10	5	1	0	19	2
INAC291	12	16	197	113	171	27	49	49	38	85	3	1	1	3	0	44	0	29	9	5	1	0	15	2

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC291	16	20	208	120	182	25	51	53	42	88	3	1	1	3	1	48	0	32	10	5	0	0	15	1
INAC291	20	24	233	123	204	29	54	54	41	110	3	1	1	4	1	47	0	32	9	5	0	0	17	1
INAC291	24	28	260	148	225	35	63	66	50	111	4	2	1	5	1	57	0	38	12	7	1	0	20	2
INAC291	28	32	286	171	255	31	70	76	61	114	3	1	1	5	0	73	0	48	13	7	0	0	17	1
INAC291	32	36	49	29	41	8	12	11	9	19	1	1	0	1	0	11	0	6	2	1	0	0	5	1
INAC291	36	40	41	24	31	10	12	9	6	18	1	1	0	1	0	7	0	4	1	1	0	0	6	1
INAC291	40	44	87	35	72	15	19	15	10	52	2	1	0	1	0	8	0	8	2	2	0	0	9	1
INAC291	44	48	33	27	25	8	12	10	7	6	0	0	0	1	0	11	0	6	2	1	0	0	5	0
INAC291	48	52	148	110	134	15	37	41	34	38	1	1	1	2	0	58	0	26	8	3	0	0	9	1
INAC291	52	56	133	98	122	11	29	34	28	35	1	0	1	2	0	56	0	21	7	3	0	0	6	0
INAC291	56	60	70	51	65	4	13	16	14	19	0	0	0	1	0	31	0	10	4	1	0	0	2	0
INAC291	60	64	93	62	88	5	14	19	15	30	1	0	0	1	0	41	0	11	4	2	0	0	2	0
INAC291	64	68	78	54	72	6	13	16	13	24	1	0	0	1	0	34	0	9	4	1	0	0	3	0
INAC291	68	72	133	67	126	7	20	24	20	66	1	1	0	1	0	38	0	15	6	2	0	0	4	1
INAC291	72	76	284	140	270	14	46	59	49	144	2	1	1	3	0	72	0	37	12	5	0	0	7	1
INAC291	76	80	225	104	213	12	33	39	34	121	1	1	1	2	0	56	0	25	9	3	0	0	6	1
INAC291	80	84	313	125	302	12	38	47	40	188	1	0	1	2	0	70	0	29	10	4	0	0	6	0
INAC291	84	88	487	101	473	14	35	41	34	386	1	1	1	2	0	50	0	25	9	3	0	0	7	1
INAC291	88	92	1271	186	1237	34	84	97	78	1085	4	2	2	5	1	65	0	60	18	9	1	0	16	2
INAC292	0	4	585	195	541	45	87	92	70	391	5	2	2	7	1	70	0	55	16	10	1	0	25	2
INAC292	4	8	301	133	266	35	56	55	41	168	4	2	1	5	1	52	0	31	10	5	1	0	20	2
INAC292	8	12	372	107	346	26	45	47	35	265	3	1	1	4	0	41	0	26	9	5	0	0	13	2
INAC292	12	16	252	119	228	24	47	52	40	132	3	1	1	4	0	51	0	30	10	5	0	0	13	1
INAC292	16	20	472	241	405	67	103	97	70	232	7	4	3	9	1	94	0	54	16	9	1	0	37	3
INAC292	20	24	342	203	296	46	83	88	65	139	6	2	2	7	1	83	0	50	15	9	1	0	24	3
INAC292	24	27	229	161	175	54	74	61	42	68	6	3	2	6	1	59	0	33	10	6	1	0	32	2
INAC293	0	4	175	110	144	31	50	48	35	65	3	2	1	4	1	39	0	27	8	5	0	0	18	1
INAC293	4	8	119	78	95	23	36	33	25	41	2	1	1	3	0	26	0	19	6	3	0	0	14	1
INAC293	8	13	102	74	73	29	39	33	23	28	3	2	1	3	1	19	0	18	5	4	0	0	17	1
INAC294	0	4	184	110	151	33	51	46	34	74	4	2	1	4	1	38	0	26	8	5	1	0	20	1
INAC294	4	8	120	81	99	21	38	41	31	39	2	1	1	3	0	25	0	24	7	5	0	0	10	2
INAC294	8	12	117	75	95	22	35	35	25	42	3	1	1	3	0	25	0	19	5	3	0	0	11	2
INAC294	12	16	358	182	290	68	93	82	56	176	8	4	2	8	1	50	1	44	12	8	1	1	38	4
INAC294	16	20	624	518	312	312	326	176	98	106	27	17	5	25	6	87	2	79	19	21	4	2	211	13
INAC294	20	25	302	234	166	136	148	101	55	68	15	8	2	14	3	28	1	45	10	14	2	1	83	7
INAC295	0	4	236	150	190	45	70	63	46	86	5	2	1	5	1	52	0	36	11	6	1	0	28	2
INAC295	4	8	227	137	187	40	63	58	43	91	4	2	1	5	1	49	0	33	9	5	1	0	23	2
INAC295	8	12	882	438	858	24	127	175	153	443	2	1	1	7	0	250	0	112	40	12	1	0	11	1
INAC295	12	16	1046	559	1014	32	167	229	199	488	4	1	2	9	1	311	0	147	52	17	1	0	14	1
INAC295	16	20	1377	608	1344	33	187	261	224	769	3	1	2	11	1	330	0	167	56	22	1	0	14	1
INAC295	20	24	657	288	642	16	86	117	102	370	2	0	1	4	0	161	0	76	26	8	0	0	7	0
INAC295	24	27	682	358	658	24	106	138	120	324	2	1	2	5	0	203	0	89	31	10	0	0	13	1
INAC295	27	29	422	225	402	20	69	87	74	197	2	1	1	4	0	124	0	55	19	7	0	0	11	1

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC296	0	4	241	144	205	36	63	62	48	97	3	2	1	5	1	55	0	37	11	6	1	0	21	2
INAC296	4	8	205	125	172	33	56	53	40	80	3	1	1	4	1	47	0	31	9	5	1	0	20	2
INAC296	8	12	249	145	225	24	53	58	48	103	2	1	1	3	0	69	0	36	12	5	0	0	13	1
INAC296	12	16	4536	2043	4341	195	678	847	718	2494	16	7	3	43	3	1063	1	544	174	67	4	1	112	6
INAC296	16	20	677	377	650	27	111	142	125	300	2	1	1	5	0	216	0	92	33	9	0	0	16	1
INAC296	20	24	131	71	124	8	22	28	23	61	1	0	0	1	0	37	0	17	6	3	0	0	4	0
INAC296	24	28	1724	965	1656	68	297	380	334	759	6	2	2	14	1	537	0	248	86	25	1	0	40	2
INAC296	28	33	305	170	284	21	59	68	57	135	2	1	1	3	0	86	0	43	14	5	0	0	13	1
INAC297	0	4	209	123	175	34	56	53	40	85	3	2	1	4	1	44	0	31	9	5	1	0	21	2
INAC297	4	8	206	124	174	32	53	52	39	82	3	2	1	4	1	49	0	30	9	5	1	0	18	2
INAC297	8	12	216	131	178	39	59	53	39	86	4	2	1	5	1	48	0	30	9	5	1	0	23	2
INAC297	12	16	172	114	121	51	58	39	27	58	5	4	1	3	1	33	1	21	6	3	1	0	31	4
INAC297	16	20	174	115	121	53	57	37	25	59	5	4	1	3	1	34	1	19	6	4	1	1	32	5
INAC297	20	22	147	94	103	43	46	26	18	52	4	3	2	2	1	31	1	13	4	2	1	0	26	3
INAC298	0	4	214	126	181	33	57	57	43	88	3	2	1	4	1	44	0	33	9	6	0	0	20	2
INAC298	4	8	247	158	205	42	71	67	51	89	4	2	1	5	1	57	0	40	11	7	1	0	26	2
INAC298	8	12	281	154	256	25	60	68	55	127	3	1	1	4	1	67	0	42	13	7	0	0	14	1
INAC298	12	16	382	185	364	19	58	71	61	197	2	1	1	3	0	100	0	45	16	5	0	0	10	1
INAC298	16	20	686	216	649	37	78	86	69	469	4	2	2	5	1	103	0	51	17	8	1	0	20	2
INAC299	0	4	160	98	133	26	45	43	32	61	3	1	1	3	1	35	0	25	7	5	0	0	16	2
INAC299	4	8	225	131	193	33	58	58	44	94	4	2	1	5	1	49	0	34	10	5	1	0	19	2
INAC299	8	12	208	120	179	29	52	52	40	88	3	2	1	4	0	46	0	30	9	6	0	0	17	1
INAC299	12	16	127	61	107	20	29	26	18	66	2	1	1	2	0	19	0	14	4	3	0	0	11	1
INAC299	16	20	170	102	150	20	35	35	27	68	2	1	1	2	0	51	0	21	7	3	0	0	11	1
INAC299	20	24	291	174	264	28	63	71	58	118	3	2	1	4	0	82	0	43	15	6	0	0	16	2
INAC299	24	28	408	223	368	40	84	92	73	185	5	3	1	6	1	102	0	56	17	8	1	0	21	3
INAC299	28	32	910	360	801	109	171	162	119	550	12	7	4	12	2	114	1	92	27	18	2	1	62	7
INAC299	32	36	431	348	371	60	135	148	118	83	6	3	2	9	1	157	0	91	27	14	1	0	34	2
INAC299	36	40	179	124	135	44	62	51	37	55	3	3	1	5	1	38	0	29	8	6	1	0	28	2
INAC299	40	42	369	206	331	38	81	86	69	163	3	2	1	5	1	91	0	53	16	8	1	0	23	2
INAC300	0	4	199	127	162	37	57	54	40	73	4	2	1	4	1	44	0	30	9	6	1	0	22	2
INAC300	4	8	222	133	189	33	60	58	45	89	3	2	1	4	1	50	0	35	10	6	0	0	20	1
INAC300	8	12	214	128	184	30	56	58	44	86	3	2	1	4	1	48	0	34	10	6	1	0	17	2
INAC300	12	16	180	109	152	28	47	46	34	71	3	2	1	3	1	41	0	27	8	5	0	0	17	1
INAC300	16	20	119	68	98	22	32	28	21	51	2	1	1	2	0	23	0	16	5	3	0	0	13	2
INAC300	20	24	168	95	131	36	47	38	26	73	4	2	1	3	1	28	0	20	6	4	0	0	22	2
INAC300	24	28	256	175	172	84	101	74	47	82	9	6	1	8	2	34	1	38	9	9	1	1	52	4
INAC300	28	32	151	94	112	39	49	38	25	57	3	2	1	4	1	26	0	20	5	5	1	0	25	2
INAC300	32	36	157	99	115	42	52	41	28	58	4	3	1	4	1	25	0	22	6	4	1	0	25	2
INAC300	36	40	153	96	123	30	44	37	27	57	3	2	1	3	1	35	0	21	6	4	1	0	19	2
INAC300	40	44	99	60	81	19	27	22	16	39	2	1	1	2	0	23	0	12	4	3	0	0	12	1
INAC301	0	4	234	145	192	41	67	63	47	89	4	2	1	5	1	50	0	36	11	7	1	0	25	2
INAC301	4	8	264	168	225	39	74	76	58	96	4	2	1	5	1	63	0	45	13	8	1	0	23	2

Hole_ID	m From	m To	TREO	TREO-Ce	LREO	HREO	CREO	MREO	Nd2O3+Pr6O11	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr6O11	Sm2O3	Tb4O7	Tm2O3	Y2O3	Yb2O3
INAC301	8	12	228	131	197	31	57	57	44	96	3	2	1	4	1	51	0	34	10	6	1	0	18	1
INAC301	12	16	191	114	162	29	51	50	38	77	3	2	1	3	1	41	0	30	8	5	0	0	17	2
INAC301	16	20	155	86	130	25	38	35	26	69	3	1	1	3	1	32	0	20	6	3	0	0	14	1
INAC301	20	24	195	126	159	36	57	55	39	69	4	2	1	4	1	45	0	31	9	6	1	0	20	2
INAC301	24	28	162	106	125	37	52	44	31	56	4	2	1	4	1	34	0	24	6	4	1	0	21	2
INAC301	28	32	154	103	111	43	54	44	29	51	4	3	1	5	1	25	0	23	6	5	1	1	25	2
INAC301	32	35	160	104	118	42	56	46	31	56	4	2	1	5	1	27	0	25	6	5	1	0	25	2
INAC302	0	4	165	102	134	31	47	43	31	63	3	2	1	3	1	35	0	24	8	4	1	0	19	2
INAC302	4	8	225	134	190	35	59	58	43	91	4	2	1	4	1	50	0	33	10	6	1	0	21	2
INAC302	8	12	189	113	161	29	48	47	35	76	3	2	1	4	0	44	0	27	9	5	0	0	17	2
INAC302	12	16	228	136	196	32	57	58	45	92	3	2	1	5	1	54	0	35	11	5	0	0	18	2
INAC302	16	20	194	116	164	30	51	50	37	78	3	2	1	4	1	44	0	29	8	5	1	0	17	2
INAC302	20	24	159	91	131	29	43	38	28	68	3	2	1	3	1	31	0	22	7	3	0	0	17	2
INAC302	24	28	116	66	92	24	32	26	18	50	3	2	1	2	1	21	0	14	4	3	0	0	14	1
INAC302	28	32	66	37	57	10	15	15	11	29	1	1	0	1	0	15	0	8	3	1	0	0	5	1
INAC302	32	36	615	359	550	64	139	149	121	256	5	3	3	9	1	162	0	92	29	13	1	0	38	3
INAC302	36	41	570	317	523	48	113	121	102	253	4	2	2	6	1	158	0	77	25	10	1	0	30	2
INAC303	0	4	209	133	170	39	60	55	40	76	4	2	1	5	1	49	0	31	9	6	1	0	24	2
INAC303	4	8	236	143	199	37	62	61	46	93	4	2	1	5	1	54	0	35	11	6	1	0	22	2
INAC303	8	12	232	140	195	38	61	58	43	92	4	2	1	4	1	54	0	33	11	6	1	0	22	2
INAC303	12	16	219	129	190	29	54	54	43	91	3	2	1	4	1	52	0	33	10	4	1	0	17	1
INAC303	16	20	176	103	153	23	44	45	35	73	2	1	1	3	0	40	0	27	8	4	0	0	13	1
INAC303	20	24	184	105	159	25	45	45	34	79	3	2	1	3	0	41	0	27	8	5	1	0	14	1
INAC303	24	28	159	88	133	26	41	39	28	71	3	2	1	3	1	30	0	22	6	4	0	0	15	2
INAC303	28	32	104	64	87	17	29	28	22	40	2	1	1	2	0	22	0	17	5	3	0	0	10	1
INAC303	32	36	31	19	24	7	9	8	5	12	1	0	0	1	0	6	0	4	1	1	0	0	4	0
INAC303	36	40	48	25	38	10	12	11	7	23	1	1	0	1	0	7	0	6	2	1	0	0	5	1
INAC303	40	44	41	21	33	7	9	8	6	20	1	1	0	1	0	8	0	4	1	1	0	0	4	0
INAC303	44	48	29	14	23	6	7	5	3	16	1	0	0	0	0	4	0	2	1	1	0	0	3	0
INAC303	48	52	30	15	22	8	8	5	3	15	1	1	0	1	0	4	0	2	1	1	0	0	4	1
INAC303	52	56	22	14	13	8	7	4	2	7	1	1	0	0	0	4	0	1	1	0	0	0	5	1
INAC303	56	60	57	17	50	7	7	5	3	39	1	1	0	1	0	7	0	2	1	1	0	0	4	1
INAC303	60	64	80	17	72	7	8	6	4	63	1	1	0	1	0	5	0	3	1	1	0	0	4	1
INAC303	64	68	136	30	126	10	13	12	8	106	1	1	0	1	0	10	0	7	2	2	0	0	5	1
INAC303	68	72	228	56	204	24	29	25	17	171	3	2	1	3	1	13	0	13	4	3	0	0	12	2
INAC303	72	76	428	314	346	81	137	141	102	114	10	6	4	12	2	114	1	81	21	16	2	1	41	5
INAC303	76	80	323	254	244	79	118	112	78	69	9	5	3	11	2	86	1	62	16	12	1	1	42	4
INAC303	80	84	194	135	136	58	70	49	33	59	5	3	1	5	1	38	1	26	7	6	1	0	38	3
INAC304	0	4	223	135	180	42	65	58	43	87	4	2	1	4	1	45	0	33	10	6	1	0	26	2
INAC304	4	8	272	166	231	41	74	73	56	107	4	2	1	5	1	61	0	43	13	8	1	0	24	2

TREO (Total Rare Earth Oxide) = $La_2O_3 + CeO_2 + Pr_6O_{11} + Nd_2O_3 + Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3 + Y_2O_3 + Lu_2O_3$.

• TREO-Ce = TREO – CeO_2

light • LREO (Light Rare Earth Oxide) = $La_2O_3 + CeO_2 + Pr_6O_{11} + Nd_2O_3 + Sm_2O_3$

heavy • HREO (Heavy Rare Earth Oxide) = $Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3 + Y_2O_3 + Lu_2O_3$

Critical • CREO (Critical Rare Earth Oxide) = $Nd_2O_3 + Eu_2O_3 + Tb_4O_7 + Dy_2O_3 + Y_2O_3$

Magnetic • ***MREO (Magnetic Rare Earth Oxide) = $Pr_6O_{11} + Nd_2O_3 + Sm_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3$.***

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (e.g., 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.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *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 (e.g., '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 (e.g., submarine nodules) may warrant disclosure of detailed information.*	• Aircore (AC) drilling samples were collected as 1-m samples from the rig cyclone and placed on the ground in separate piles. These 1-m sample piles were then sampled using a plastic PVC tube ("spear") to collect a composite sample in the ratio of one sample for every four metres. Where EOH depth doesn't line up with 4m compposites,2,3 or 5 meter composites may be taken and recorded. The composite samples were then sent for analysis. The Competent Person considers the quality of the sampling to be fit for the purpose of early/reconnaissance exploration.
Drilling techniques	• *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 oriented and if so, by what method, etc.).*	• INAC250-INAC304 Aircore to blade refusal at EOH with a face sampling bit.

Criteria	JORC Code explanation	Commentary
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *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.*	• Chip recoveries were monitored for consistent sample size for each metre. • Appropriate measures were taken to maximise recovery and ensure representative nature of the samples, including efforts to keep the drill holes as dry as possible. • No relationship between recovery and grade has been observed.
Logging	• *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.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.* • *The total length and percentage of the relevant intersections logged.*	• All drill holes are logged in their entirety. Qualitative descriptions of mineralogy, mineralisation, weathering, lithology, colour and other features are recorded. A sample of every metre is permanently retained in chip trays for any follow-up logging. Logging is sufficient to support early exploration studies.
Sub-sampling and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core* • *If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *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.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• Chips were sampled with a “spear” (PVC tube) from the 1m sample piles and composited to make roughly 4-kg, 4-m composite samples. The single 1-m spear sample was approximately 2 kg in size. Where a sample was wet, it was dried in the sun before composite samples were collected. Samples underwent sample preparation at ALS Perth following method PREP31: Dry, Crush, Split and Pulverize – samples were first weighed, then crushed to >70% of the sample passing 2 mm, then split using riffle splitter. A sample split of up to 250 g was then pulverized to >85 % of the sample passing -75 microns. • Duplicates were submitted for analysis at a rate of approximately 1 per 20 samples, for quality control. The variability observed in duplicate sample results are considered appropriate by the Competent Person. The quality of the sub-sampling is considered fit for the purpose of early/reconnaissance exploration. • The Competent Person considers drill sample sizes to be appropriate for the style of mineralisation and the nature of the drilling program.

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	• *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 model, reading times, calibration factors applied and their derivation etc.* • *Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.*	• Samples underwent sample preparation and geochemical analysis by ALS Perth. Rare Earth Elements were analysed by weak aqua regia digest with an ICP-MS finish (ALS Method code MS41W-REE,). • Standards and blanks were submitted in the sample stream at a rate of approximately 1 per 20 samples. The laboratory conducted its own checks which were also monitored. No contamination was detected. The Competent Person considers the accuracy and precision of the geochemical data to be fit for purpose.
Verification of assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• The Desert Metals Exploration Manager has personally inspected all core and chips. • No twin holes have been completed. • Primary drill data were collected manually on paper and digitally using Excel software before being transferred to the master database in mining software package Micromine. • Conversion of elemental analysis (REE parts per million, Table 2) to oxide (REO parts per million, Table 1) was using the below element to oxide conversion factors. Element - Conversion Factor - Oxide Form Ce 1.2284 CeO_2 Dy 1.1477 Dy_2O_3 Er 1.1435 Er_2O_3 Eu 1.1579 Eu_2O_3 Gd 1.1526 Gd_2O_3 Ho 1.1455 Ho_2O_3 La 1.1728 La_2O_3 Lu 1.1371 Lu_2O_3 Nd 1.1664 Nd_2O_3 Pr 1.2083 Pr_6O_{11} Sm 1.1596 Sm_2O_3 Tb 1.1762 Tb_4O_7

Criteria	JORC Code explanation	Commentary
		Tm 1.1421 Tm_2O_3 Y 1.2699 Y_2O_3 Yb 1.1387 Yb_2O_3 • Rare earth oxide is the industry-accepted form for reporting rare earth analytical results. The following calculations are used for compiling REO into their reporting and evaluation groups: ○ TREO (Total Rare Earth Oxide) = La_2O_3 + CeO_2 + Pr_6O_{11} + Nd_2O_3 + Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3 + Y_2O_3 + Lu_2O_3 ○ TREO-Ce = TREO – CeO_2 ○ LREO (Light Rare Earth Oxide) = La_2O_3 + CeO_2 + Pr_6O_{11} + Nd_2O_3 + Sm_2O_3 ○ HREO (Heavy Rare Earth Oxide) = Eu_2O_3 + Gd_2O_3 + Tb_4O7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3 + Y_2O_3 + Lu_2O_3 ○ CREO (Critical Rare Earth Oxide) = Nd_2O_3 + Eu_2O_3 + Tb_4O_7 + Dy_2O_3 + Y_2O_3 ○ MREO (Magnetic Rare Earth Oxide) = Pr_6O_{11} + Nd_2O_3 + Sm_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3.
Location of data points	• *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.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control*	• Drill hole collar locations were surveyed using handheld GPS. • Expected accuracy for collar surveys is ± 3 m. • Down-hole surveys were taken by north-seeking gyro with readings at the surface and then approximately every 3 m downhole. • The grid system is MGA GDA94 (zone 50), local easting and northing are MGA. • Topographic surface uses handheld GPS elevation data, which is adequate for the current stage of the project.

Criteria	JORC Code explanation	Commentary
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *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.* • *Whether sample compositing has been applied.*	• Drilling to date has been reconnaissance in nature; the spacing is insufficient to make any conclusions as to the context, size, or extent of the mineralisation. • Data spacing and distribution is not sufficient to allow the estimation of mineral resources. • Drill samples were composted on site to create 4-m composite samples, with 1-m samples taken near end of hole.
Orientation of data in relation to geological structure	• *Whether the orientation of the sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralized structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• It is not known whether the orientation of the sampling achieved unbiased sampling of possible structures; however, it is considered unlikely by the Competent Person. • It is not known if the relationship between the drilling orientation and the orientation of key mineralised structures has introduced a sampling bias; however, it is considered unlikely by the Competent Person.
Sample security	• *The measures taken to ensure sample security.*	• Samples were sealed in polyweave bags that were cable-tied closed and stored securely on site until transported by company personnel to the lab.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No audits or reviews have been conducted at this stage.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *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.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.*	• Surveys were conducted within DM1 100%-owned Exploration Licenses E9/2330 and E05/2351 • All tenements are in good standing with DMIRS. DM1 is unaware of any impediments for exploration on these licenses.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties*	• The tenements have had very limited published or open file exploration work for magmatic nickel type deposits. • Limited exploration undertaken to date by past explorers was mostly focused on iron ore, and, to a lesser extent, gold. • The main exploration that is relevant to Desert Metals is described in the prospectus downloadable from the Company's website.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The project covers regions of the Narryer Terrane in the Yilgarn Craton, said to represent reworked remnants of greenstone sequences that are prospective for intrusion-hosted Ni-Cu-(Co)-(PGEs) and orogenic gold mineralisation. Nickel-sulphide mineralisation is anticipated to be related to mantle-derived (mafic and ultramafic) intrusives intersected by deep structures. • The REE mineralisation is considered to occur in deeply weathered lateritic and saprolitic clay layers of the Narryer terrane.

Criteria	JORC Code explanation	Commentary

Drill hole information	• *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:*
	  ○ *easting and northing of the drill hole collars*
	  ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole*
	  ○ *dip and azimuth of the hole*
	  ○ *down hole length and interception depth*
	  ○ *hole length*
	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.
		• Refer to table in body of the report.

Data aggregation methods	• *In reporting Exploration Results, weighting average techniques, maximum and/or minimum grade truncations (e.g., cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporated 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 aggregation shown in detail.* • *The assumption used for any reporting of metal equivalent values should be clearly stated.*	• Results from sample intervals (mostly 4-m composites) are reported in Tables. • Assay results of REE are reported in ppm and the conversion of elemental analysis (REE parts per million) to stoichiometric oxide (REO parts per million) was undertaken using stoichiometric oxide conversion factors.
Relationship between mineralisation	• *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.*	• The relationship between drill hole orientations and mineralisation is unknown at this stage. All results are reported as downhole intervals/widths.
widths and intercept lengths	• *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').*	• The relationship between drill hole orientations and mineralisation is unknown at this stage. All results are reported as downhole intervals/widths.
Diagrams	• *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.*	• Refer to Figure in body of text. • All drillhole assay results are summarised in tables in the report.
Balanced reporting	• *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*	• All results are reported transparently in the report.

Criteria	JORC Code explanation	Commentary
	misleading reporting of Exploration Results.	
Other substantive exploration data	• *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.*	• All new and relevant data have been reported.
Further work	• *The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Adjacent samples have been re-submitted for REE analyses with results pending. • A full review of the results to date will be undertaken prior to any future programs being executed. • An extensive follow-up drill program is being planned to define the extent of the mineralisation