ASX Announcement

13 July 2026 | ASX: CRI

CRITICA

Resource Drilling at Jupiter Confirms Priority Near-Surface and High-Grade Rare Earth Zones

Resource definition drilling successfully confirms priority higher-grade zones and provides a key input into the updated SRK Resource Estimate and Jupiter Scoping Study.

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Jupiter Highlights

- 145 AC holes completed for 7,274 metres across a c. 3 km^2 prioritised near-surface resource definition area within the 40 km^2 Jupiter Inferred Resource footprint
- Drilling designed to support conversion of priority resource areas from Inferred to Indicated classification
- Multiple broad, high-grade rare earth intersections returned, including:
  - JPAC273 – 23m @ 3,603 ppm TREO from 20m including 12m @ 5,350 ppm TREO from 24m
  - JPAC277 – 30m @ 2,995 ppm TREO from 20m including 16m @ 3,811 ppm TREO from 20m
  - JPAC280 – 40m @ 2,626 ppm TREO from 36m
  - JPAC393 – 56m @ 2,642 ppm TREO from 16m including 20m @ 3,465 ppm TREO from 36m
  - JPAC397 – 73m @ 2,400 ppm TREO from 16m including 32m @ 3,551 ppm TREO from 24m
  - JPAC401 – 62m @ 2,138 ppm TREO from 20m including 24m @ 2,930 ppm TREO from 62m
- Results confirm continuity of higher-grade mineralisation within targeted optimisation areas
- Resource upgrade area coincides with pilot plant sample area utilised in beneficiation and hydrometallurgical testwork
- Results delivered to SRK Consulting for the updated Jupiter Mineral Resource Estimate
- Updated Resource Estimate to support mine planning and the Jupiter Scoping Study targeted for completion in Q3 2026

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Critica Limited (ASX: **CRI**) (“**Critica**” or “the **Company**”) is pleased to announce results from the recently completed Jupiter Resource Definition Drilling Program, a key component of the Company's strategy to advance the Jupiter Rare Earth Project towards completion of the Scoping Study.

The program comprised 145 Air Core (AC) drill holes for 7,274 metres completed on 125 metre spacing across priority areas identified through resource optimisation studies. The results confirm strong continuity of higher-grade rare earth mineralisation and provide an important dataset supporting the updated Mineral Resource Estimate currently being prepared by SRK Consulting.

Critica’s CEO Jacob Deysel commented:

"When we commenced this program earlier this year, our objective was clear: increase confidence in priority areas of the Jupiter Resource and provide a robust dataset to support the updated Mineral Resource Estimate and ongoing Scoping Study.

The results have successfully validated the targeted higher-grade zones within the existing resource and demonstrate strong continuity of mineralisation across the resource upgrade area. Importantly, the program was designed to support the conversion of priority areas from Inferred to Indicated classification and represents another important de-risking milestone for the Jupiter Project.

With drilling now completed and the results delivered to SRK Consulting, we are entering the next stage of resource development. Together with the significant metallurgical advancements achieved over the past year, these results strengthen the technical foundation of Jupiter and support the progression of the updated Resource Estimate and Scoping Study."

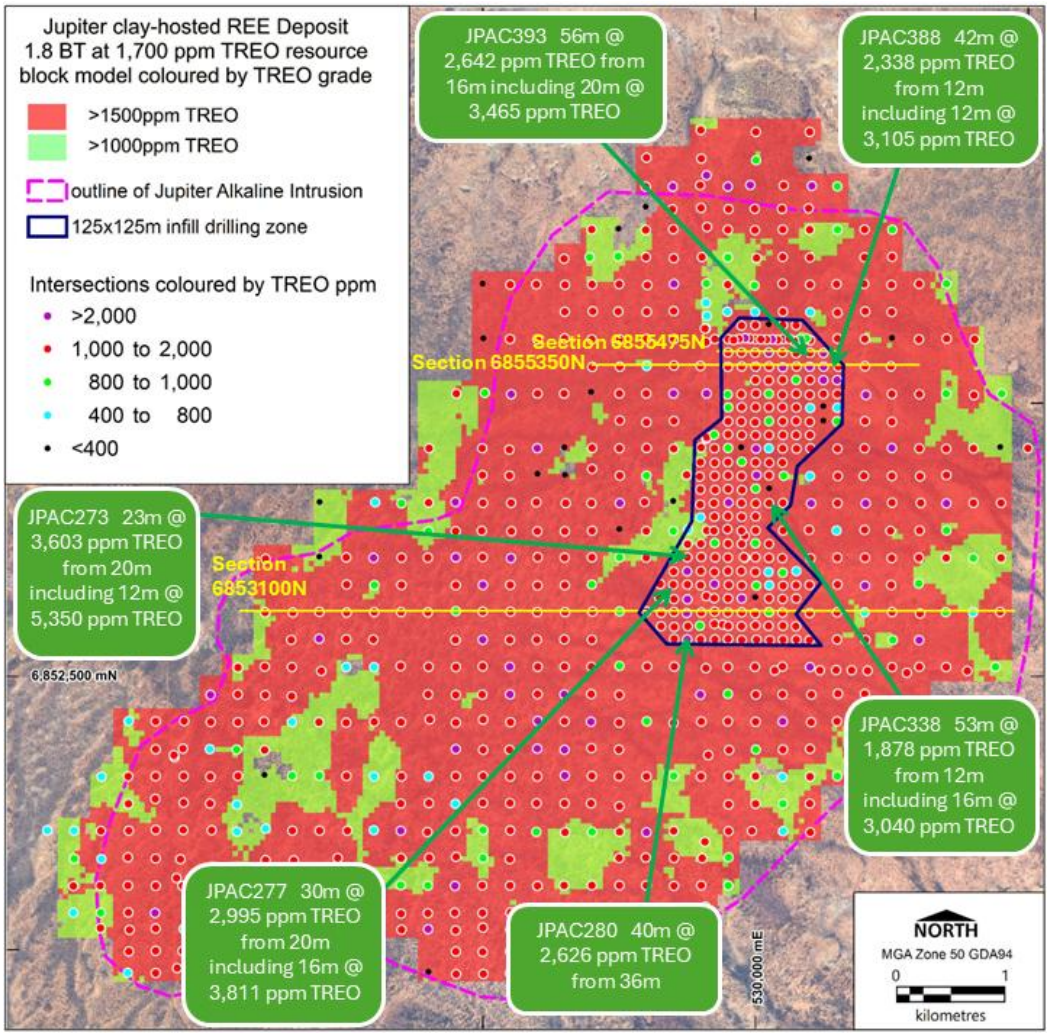

Figure 1: Jupiter infill drilling on 1.8 BT at 1,700 ppm TREO Inferred Resource block model (as announced by Critica to the ASX 11 February 2025) draped over satellite image. See Table 1 for complete listing of the 125 x 125 m infill drilling intersections.

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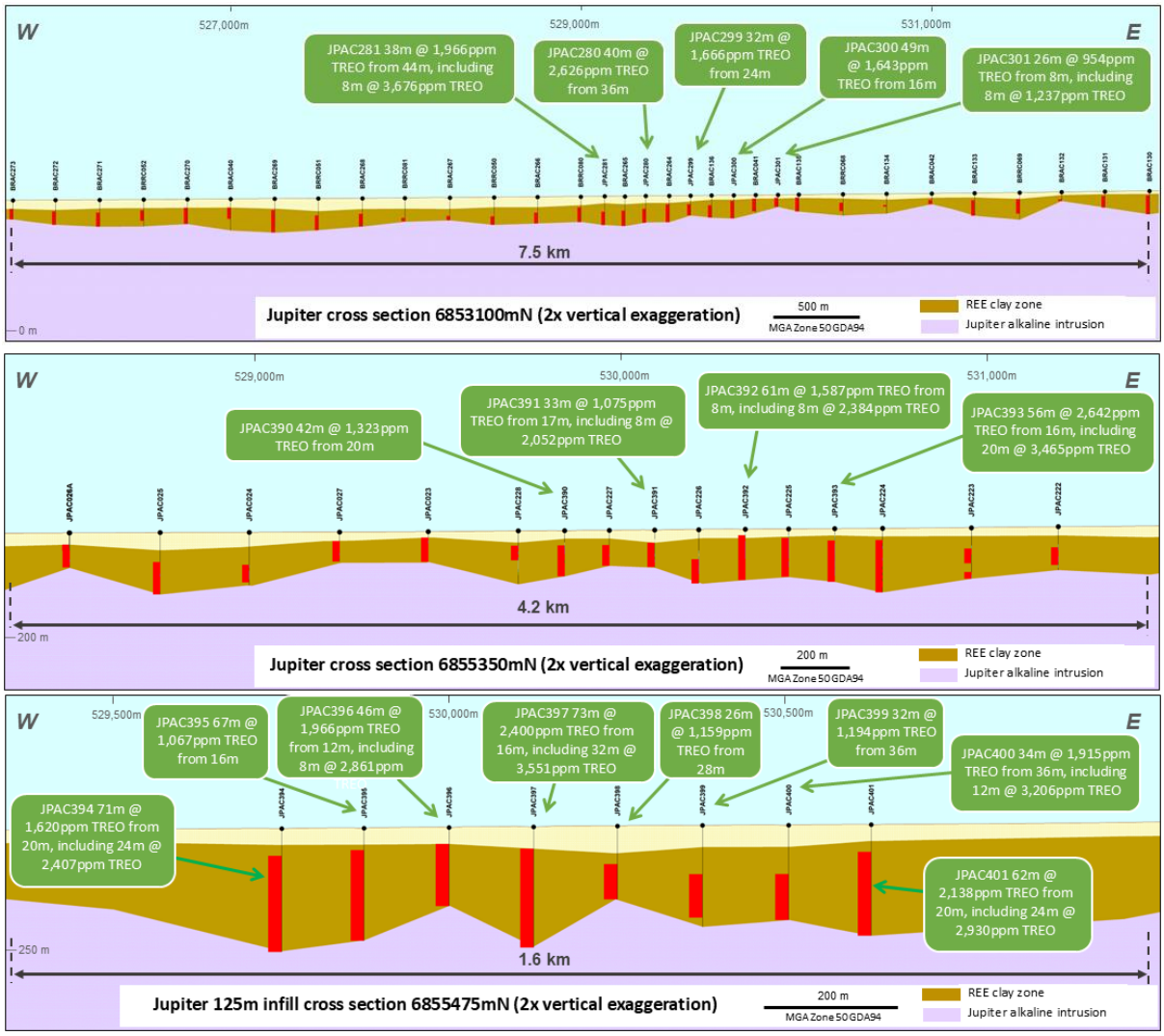

Figure 2: Selected intersections as reported (refer to key in Figure 1), see Table 1 for complete listing of the 125 x 125 m infill drilling intersections.

Jupiter Resource Definition Drilling program

The Jupiter Resource Drilling Program forms a key component of Critica's strategy to advance the Jupiter Rare Earth Project through resource optimisation, metallurgical development and ongoing Scoping Study activities.

The program was specifically designed to increase drill density across priority areas of the Jupiter Resource identified through optimisation studies, with the objective of supporting the conversion of selected portions of the existing Inferred Mineral Resource to Indicated classification and improving confidence for mine planning and development studies.

A total of 145 Air Core (AC) holes for 7,274 metres were completed on nominal 125 metre by 125 metre spacing across the targeted resource upgrade area. The drilling focused on higher-confidence areas within the current resource footprint and was designed to provide key inputs into the updated Mineral Resource Estimate currently being prepared by SRK Consulting.

Importantly, the resource definition area coincides with the pilot plant sample area and includes mineralisation previously utilised in Critica's beneficiation and hydrometallurgical testwork programs. This alignment provides a direct link between resource definition, metallurgical performance and ongoing development planning.

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Results Confirm Higher-Grade Mineralisation Continuity

A 3 km^2 area of shallow clay-hosted rare earth mineralisation was selected for 125 x 125 m spaced infill drilling within the c. 40 km2 Jupiter Inferred Resource footprint. The drilling intersected broad zones of clay-hosted rare earth mineralisation across both clay and saprolite domains, confirming continuity of mineralisation and supporting the Company's objective of increasing resource confidence within prioritised development zones.

Selected significant intersections include:

- JPAC273 – 23m @ 3,603 ppm TREO from 20m including 12m @ 5,350 ppm TREO from 24m
- JPAC277 – 30m @ 2,995 ppm TREO from 20m including 16m @ 3,811 ppm TREO from 20m
- JPAC280 – 40m @ 2,626 ppm TREO from 36m
- JPAC338 – 53m @ 1,878 ppm TREO from 12m including 16m @ 3,040 ppm TREO from 44m
- JPAC364 – 55m @ 1,965 ppm TREO from 8m including 8m @ 2,808 ppm TREO from 12m
- JPAC388 – 42m @ 2,338 ppm TREO from 12m including 12m @ 3,105 ppm TREO from 12m
- JPAC389 – 25m @ 2,218 ppm TREO from 8m including 4m @ 4,346 ppm TREO from 12m
- JPAC393 – 56m @ 2,642 ppm TREO from 16m including 20m @ 3,465 ppm TREO from 36m
- JPAC397 – 73m @ 2,400 ppm TREO from 16m including 32m @ 3,551 ppm TREO from 24m
- JPAC401 – 62m @ 2,138 ppm TREO from 20m including 24m @ 2,930 ppm TREO from 62m

Next Steps

With the resource definition drilling program now completed, Critica's immediate focus is on finalisation of the updated Mineral Resource Estimate and continued progression of the Jupiter Scoping Study.

Key upcoming activities include:

- Completion of the updated Jupiter Mineral Resource Estimate by SRK Consulting
- Integration of the updated resource model into mine planning and optimisation studies
- Ongoing metallurgical optimisation and product qualification programs
- Assessment of development assumptions and project economics as part of the Jupiter Scoping Study
- Completion of the Jupiter Scoping Study targeted for Q3 2026

The Company believes the updated Resource Estimate, together with the significant metallurgical advancements achieved over the past year, will further strengthen the technical foundation of the Jupiter Project as it advances toward development.

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Building a Critical Minerals Platform

The fracturing of global critical mineral supply chains has created an urgent structural demand for Western aligned sources of the materials that underpin defence, artificial intelligence, electrification and advanced manufacturing. China currently controls approximately 98% of global gallium supply, 85% or more of rare earth processing, 80% or more of tungsten production and downstream processing, and 35% or more of refined tin supply. Export restrictions tightened in November 2025, and Western defence supply chains are actively targeting non-China sourcing by approximately 2027.

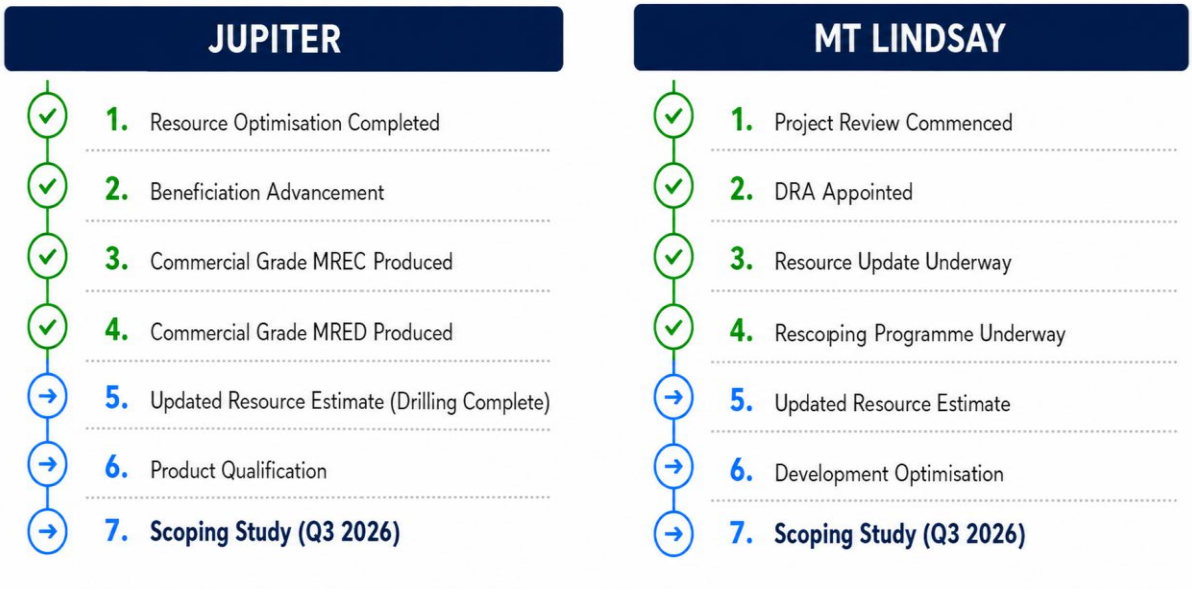
Critica is strategically positioned to capitalise on this demand through its Jupiter and Mt Lindsay projects, which collectively provide exposure to five critical minerals—**tin, tungsten, rare earth elements, yttrium and gallium**. These commodities are at the centre of global efforts to diversify supply chains, strengthen resource security and support advanced manufacturing, underpinned by increasing policy support and investment across the United States, Australia and Europe

Jupiter, Australia's largest clay-hosted rare earth resource[1] adds scale-driven exposure to magnet rare earths, gallium and yttrium across electrification, robotics and AI infrastructure demand. **Mt Lindsay**, one of Australia's largest undeveloped tin-tungsten projects, offers leveraged exposure to two of the most strategically sensitive metals in Western defence and semiconductor supply chains.

Together, these assets position Critica as an emerging multi-commodity critical minerals platform, diversified by project, commodity and end market, and aligned with the structural reconfiguration of Western supply chains now underway.

Dual Project Development Timeline

The development timeline below illustrates the progress made across both projects to date and the key milestones:



1. *Refer to ASX announcement 11 February 2025*

Authorised by the Board of Critica Limited.

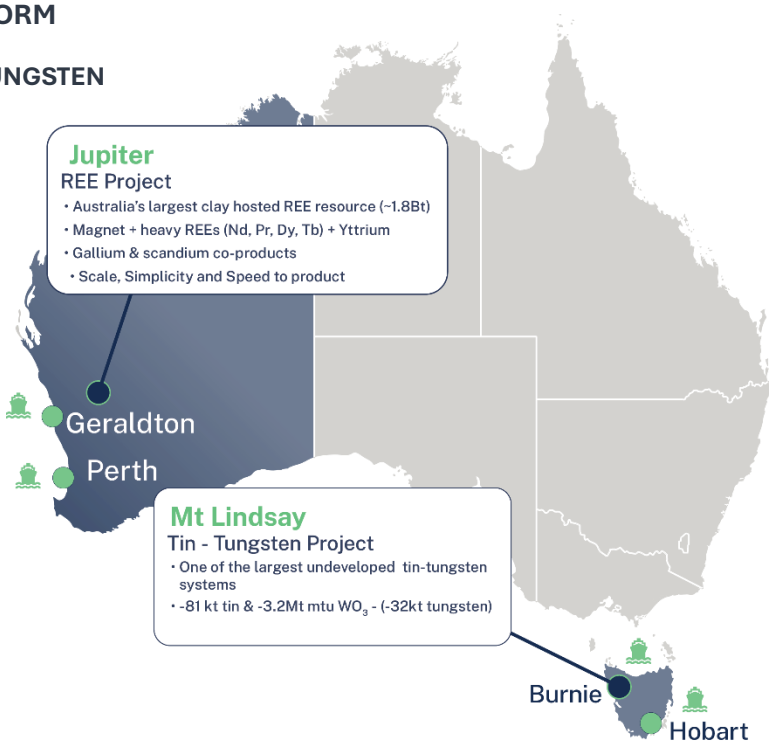
BUILDING A CRITICAL MINERALS PLATFORM

RARE EARTHS | YTTRIUM | GALLIUM | TIN | TUNGSTEN

Critica Limited (ASX: CRI) is advancing a portfolio of critical minerals projects with exposure to commodities used in defence, semiconductors, artificial intelligence, advanced manufacturing and electrification.

The Jupiter Project in Western Australia provides exposure to rare earths, yttrium and gallium, while the Mt Lindsay Project in Tasmania provides exposure to tin and tungsten.

Together, these projects provide exposure to minerals essential to future industrial growth and national security applications.



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Competent Persons Statement

The information in this report that relates to exploration results including geology interpretation, data preparation and data quality is based on work compiled by Dr. Stuart Owen who is a Member of the Australian Institute of Geoscientists. Dr. Owen is a permanent employee of Critica Limited and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC code). Dr. Owen consents to the inclusion in the report of the matters based on his information in the form and context in which they appear.

No new Mineral Resource information is contained in this report

All material assumptions and technical parameters underpinning the Minerals Resource Estimates referred to within previous ASX announcements continue to apply and have not materially changed since last reported. The company is not aware of any new information or data that materially affects the information included in this announcement.

Forward Looking Statements

This ASX announcement contains certain statements that may constitute “forward looking statement”. Such statements are only predictions and are subject to inherent risks and uncertainties, which could cause actual values, results, performance achievements to differ materially from those expressed, implied or projected in any forward looking statements.

Forward looking statements are statements that are not historical facts. Words such as “expect(s)”, “feel(s)”, “believe(s)”, “will”, “may”, “anticipate(s)” and similar expressions are intended to identify forward-looking statements. These statements include, but are not limited to statements regarding future production, resources or reserves and exploration results. All such statements are subject to certain risks and uncertainties, many of which are difficult to predict and generally beyond the control of the Company, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements.

These risks and uncertainties include, but are not limited to: (i) those relating to the interpretation of drill results, the geology, grade and continuity of mineral deposits and conclusions of economic evaluations, (ii) risks relating to possible variations in reserves, grade, planned mining dilution and ore loss, or recovery rates and changes in project parameters as plans continue to be refined, (iii) the potential for delays in exploration or development activities or the completion of feasibility studies, (iv) risks related to commodity price and foreign exchange rate fluctuations, (v) risks related to failure to obtain adequate financing on a timely basis and on acceptable terms or delays in obtaining governmental approvals or in the completion of development or construction activities, and (vi) other risks and uncertainties related to the Company’s prospects, properties and business strategy. Our audience is cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof, and we do not undertake any obligation to revise and disseminate forward-looking statements to reflect events or circumstances after the date hereof, or to reflect the occurrence of or non-occurrence of any events.

The Company believes that it has a reasonable basis for making the forward-looking Statements in the announcement based on the information contained in this and previous ASX announcements.

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Table One: Jupiter Drill hole locations and significant intersections

Hole	East	North	RL m	EOH m	From m	To m	Interval m	TREO ppm	MREO ppm	MREO/ TREO	Pr_6O_{11} ppm	Nd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm
JPAC263	529494	6854474	346	51	8	51	43	1241	309	25%	65	227	3	15
including					12	16	4	2122	543	26%	119	401	4	19
JPAC264	529487	6854343	346	57	12	57	45	1300	343	26%	72	254	3	14
JPAC265	529368	6854359	346	48	12	48	36	1280	330	26%	69	244	3	15
JPAC266	529494	6854225	347	63	28	63	35	1943	458	24%	100	338	4	17
including					32	40	8	3450	706	20%	170	518	4	15
JPAC267	529496	6853971	347	16	12	16	4	735	160	22%	37	119	1	5
JPAC268	529379	6853857	347	16	12	16	4	584	121	21%	30	89	1	2
JPAC269	529497	6853729	348	30	8	30	22	1356	365	27%	70	276	4	16
JPAC270	529376	6853724	347	54	8	54	46	1906	511	27%	100	384	5	23
including					12	32	20	2484	710	29%	140	540	5	25
JPAC271	529375	6853602	347	70	24	70	46	1433	361	25%	75	270	3	14
including					32	48	16	2047	541	26%	111	407	4	19
JPAC272	529498	6853477	348	40	8	40	32	1963	464	24%	93	347	4	21
including					12	28	16	2527	553	22%	112	413	5	24
JPAC273	529372	6853476	348	43	20	43	23	3603	828	23%	172	620	6	30
including					24	36	12	5350	1188	22%	243	895	9	42
JPAC274	529248	6853474	347	54	8	54	46	1502	374	25%	74	281	4	16
including					16	32	16	2229	508	23%	103	381	4	21
JPAC275	529374	6853356	348	39	12	39	27	1992	378	19%	76	282	4	17
including					20	28	8	3980	591	15%	116	445	6	27
JPAC276	529124	6853359	347	74	24	74	50	1675	369	22%	78	277	3	12
including					48	56	8	3915	855	22%	170	652	6	27
JPAC277	529374	6853220	348	51	20	50	30	2995	864	29%	171	657	7	29
including					20	36	16	3811	1156	30%	238	877	8	33
JPAC278	529252	6853222	348	72	16	72	56	1509	325	22%	73	242	2	9
JPAC279	529118	6853233	347	77	20	77	57	1803	358	20%	79	265	2	11
JPAC280	529369	6853095	348	76	36	76	40	2626	696	27%	144	511	7	34
JPAC281	529134	6853097	347	82	44	82	38	1966	417	21%	92	303	4	19
including					60	68	8	3676	934	25%	198	682	8	46
JPAC282	529489	6852978	349	72	32	72	40	933	193	21%	44	141	1	7
JPAC283	529378	6852972	348	78	36	78	42	1530	303	20%	71	223	2	8
JPAC284	529254	6852967	348	67	36	67	31	1426	317	22%	72	235	2	9
JPAC285	529133	6852973	348	68	36	68	32	1772	399	23%	89	296	2	12
JPAC286	529371	6852852	348	83	48	83	35	2057	466	23%	105	346	3	12
including					68	76	8	3418	744	22%	169	556	4	16
JPAC287	529627	6852852	349	66	48	64	16	1242	288	23%	59	215	2	12
JPAC288	529873	6852848	351	49	12	49	37	1719	335	19%	71	249	3	13
JPAC289	530130	6852846	352	27	8	27	19	1212	305	25%	60	225	3	17
JPAC290	530373	6852849	353	59	16	59	43	1466	370	25%	72	276	4	19
JPAC291	529623	6852994	349	57	24	32	8	1015	226	22%	45	166	2	12
JPAC292	529700	6852989	350	63	24	63	39	1721	405	24%	77	303	4	20
including					24	36	12	2568	541	21%	103	407	6	26
JPAC293	529749	6852976	350	60	20	60	40	1684	414	25%	80	310	4	20
JPAC294	529871	6852972	350	54	12	54	42	1788	428	24%	89	319	4	17
including					24	36	12	2618	590	23%	123	439	5	23
JPAC295	529997	6852982	351	43	8	42	34	1720	455	26%	89	343	4	19
JPAC296	530120	6852976	351	31	8	31	23	1057	262	25%	53	195	3	12
JPAC297	530250	6852977	352	48	8	48	40	1677	439	26%	84	329	6	22
JPAC298	530369	6852973	352	53	12	52	40	1476	359	24%	75	268	3	14
JPAC299	529625	6853106	349	56	24	56	32	1666	444	27%	85	332	5	24
JPAC300	529872	6853100	350	66	16	65	49	1643	436	27%	84	328	4	20
JPAC301	530124	6853103	351	34	8	34	26	954	251	26%	48	187	3	14
JPAC302	529620	6853230	349	57	12	57	45	1487	372	25%	73	278	4	18
including					24	36	12	1908	477	25%	96	356	4	21
JPAC303	529748	6853229	350	52	20	52	32	1830	480	26%	95	361	4	20
JPAC304	529872	6853228	350	54	12	28	16	2138	461	22%	92	348	4	18
JPAC305	530000	6853227	351	32										NSI
JPAC306	530123	6853228	351	27	8	27	19	1797	474	26%	93	360	4	18
JPAC307	530247	6853223	352	24	16	24	8	1373	289	21%	61	213	2	12
JPAC308	530371	6853228	352	42	8	42	34	1400	317	23%	62	230	4	22
JPAC309	529623	6853359	349	41	12	41	29	2128	582	27%	110	441	5	26
JPAC310	529873	6853346	350	33	8	33	25	1429	383	27%	72	291	4	17
including					24	28	4	2796	917	33%	141	717	11	49
JPAC311	530125	6853349	351	13	8	13	5	649	99	15%	26	71	<1	2
JPAC312	530372	6853349	352	45	12	45	33	1740	419	24%	85	312	4	19

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Hole	East	North	RL m	EOH m	From m	To m	Interval m	TREO ppm	MREO ppm	MREO/ TREO	Pr_6O_{11} ppm	Nd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm
including					20	32	12	2469	593	24%	120	448	4	20
JPAC313	529622	6853470	349	39	8	39	31	1518	402	26%	81	300	4	18
JPAC314	529745	6853479	349	50	8	50	42	1543	398	26%	77	296	4	22
JPAC315	529869	6853478	350	26	8	26	18	1042	264	25%	51	198	3	13
JPAC316	529997	6853470	350	33	4	33	29	1092	306	28%	57	233	3	14
JPAC317	530118	6853469	351	24	8	24	16	429	80	19%	18	59	1	3
JPAC318	530249	6853477	351	14			failed to reach target zone							
JPAC319	530374	6853477	352	24	16	24	8	642	151	24%	31	111	1	8
JPAC320	529630	6853603	349	50	16	44	28	1553	407	26%	81	305	4	18
including					20	32	12	2602	700	27%	139	527	6	29
JPAC321	530124	6853598	350	58	8	58	50	1278	268	21%	62	195	2	9
including					36	52	16	2038	418	21%	96	307	3	13
JPAC322	529624	6853734	348	47	16	47	31	867	223	26%	46	164	2	11
JPAC323	529747	6853727	349	38	12	38	26	1919	544	28%	104	411	5	24
including					24	36	12	2725	799	29%	146	612	7	33
JPAC324	529872	6853725	349	45	8	45	37	1584	398	25%	81	298	3	16
JPAC325	529998	6853731	349	65	60	65	5	912	244	27%	48	183	2	11
JPAC326	530123	6853727	350	65	40	65	25	1468	405	28%	79	303	4	19
JPAC327	529619	6853846	348	48	8	48	40	1294	342	26%	66	255	4	18
JPAC328	529742	6853861	348	39	12	39	27	1949	497	26%	100	373	4	21
JPAC329	529871	6853848	349	53	12	53	41	1566	414	26%	86	309	4	17
JPAC330	530000	6853850	349	71	20	71	51	1248	313	25%	62	233	3	15
including					36	40	4	2021	463	23%	93	341	5	25
JPAC331	529622	6853976	347	57	12	57	45	1564	401	26%	77	300	4	20
JPAC332	529745	6853981	348	55	16	55	39	1484	374	25%	78	280	3	14
JPAC333	529873	6853975	348	61	28	61	33	1834	441	24%	89	328	4	20
JPAC334	530000	6853978	349	66	36	66	30	1625	379	23%	80	280	4	17
including					48	52	4	2989	736	25%	160	551	5	21
JPAC335	530248	6853463	351	18	12	18	6	984	246	25%	49	183	2	12
JPAC336	529618	6854099	347	63	24	63	39	1784	436	24%	96	322	4	20
JPAC337	529871	6854099	348	68	32	68	36	1158	283	24%	55	206	4	19
JPAC338	530122	6854100	349	65	12	65	53	1878	488	26%	95	360	6	28
including					44	60	16	3040	819	27%	146	607	11	56
JPAC339	529628	6854221	347	71	24	71	47	1698	428	25%	88	318	4	19
including					32	56	24	2352	594	25%	120	442	6	26
JPAC340	529748	6854229	348	67	16	67	51	1354	358	26%	73	266	3	16
including					44	56	12	2198	623	28%	118	471	6	29
JPAC341	529874	6854219	348	67	16	67	51	1606	405	25%	82	301	4	19
including					44	60	16	2463	600	24%	114	450	6	31
JPAC342	530000	6854233	348	67	8	67	59	905	197	22%	45	144	2	8
including					52	67	15	1563	380	24%	79	282	4	17
JPAC343	530128	6854224	349	47	16	47	31	386	70	18%	17	51	1	3
JPAC344	529625	6854350	347	57	12	57	45	1726	447	26%	90	330	5	23
JPAC345	529871	6854348	348	40	8	40	32	1374	340	25%	71	250	3	16
JPAC346	530123	6854355	349	24	8	24	16	1776	445	25%	91	330	4	20
JPAC347	529625	6854468	347	54	8	54	46	1189	309	26%	62	229	3	16
JPAC348	529745	6854475	347	46	8	46	38	1595	387	24%	79	282	4	21
JPAC349	529872	6854479	347	36	8	36	28	975	243	25%	49	181	2	12
JPAC350	530000	6854473	348	34	8	34	26	1474	399	27%	80	297	4	19
JPAC351	530124	6854471	349	40	8	40	32	1717	398	23%	82	294	4	19
JPAC352	530246	6854471	349	47	8	47	39	1260	284	23%	61	209	2	11
JPAC353	529623	6854603	346	39	8	31	23	1393	337	24%	69	253	3	13
JPAC354	529871	6854600	347	29			NSI							
JPAC355	530120	6854601	349	41	20	41	21	751	167	22%	35	124	1	7
JPAC356	530374	6854597	350	72	20	72	52	1605	401	25%	82	300	3	16
including					40	44	4	2638	774	29%	144	591	7	33
JPAC357	529621	6854725	346	44	16	44	28	823	175	21%	39	129	1	6
JPAC358	529749	6854728	347	63	20	63	43	1264	314	25%	63	235	3	14
including					40	48	8	2215	515	23%	101	388	5	23
JPAC359	529872	6854723	347	52	24	52	28	1863	433	23%	86	325	4	19
including					32	36	4	3494	722	21%	144	540	7	32
JPAC360	530000	6854721	348	39	28	39	11	1504	366	24%	81	270	3	14
JPAC361	530123	6854722	348	57	32	57	25	1398	366	26%	76	272	3	16
JPAC362	530249	6854722	349	68	24	68	44	1724	488	28%	99	366	4	19
including					44	52	8	2681	783	29%	154	594	6	29
JPAC363	530371	6854723	350	48	28	48	20	1631	471	29%	97	353	4	18
JPAC364	530498	6854722	350	63	8	63	55	1965	543	28%	106	404	5	28
including					12	20	8	2808	818	29%	163	612	8	36
JPAC365	529748	6854848	347	72	36	64	28	1171	294	25%	59	221	2	12

Hole	East	North	RL m	EOH m	From m	To m	Interval m	TREO ppm	MREO ppm	MREO/ TREO	Pr_6O_{11} ppm	Nd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm
JPAC366	529868	6854846	347	65	32	65	33	1875	457	24%	96	344	3	15
JPAC367	530124	6854850	348	50	24	50	26	834	207	25%	42	154	2	10
JPAC368	530372	6854851	349	54	12	54	42	1881	502	27%	101	376	5	21
JPAC369	530623	6854843	351	10										NSI
JPAC370	529750	6854976	347	59	20	59	39	911	210	23%	44	156	2	8
JPAC371	529873	6854977	347	66	12	66	54	1608	413	26%	83	310	3	17
JPAC372	529999	6854977	348	48	32	48	16	1717	473	28%	93	359	4	18
JPAC373	530124	6854976	348	45	32	40	8	1240	284	23%	44	189	7	44
JPAC374	530245	6854977	348	42	12	42	30	1488	383	26%	73	286	4	21
JPAC375	530372	6854975	349	19	8	19	11	1160	271	23%	54	204	2	11
JPAC376	530500	6854971	350	12	8	12	4	586	150	26%	30	113	1	6
JPAC377	530624	6854976	350	10										NSI
JPAC378	530748	6854974	350	38	8	38	30	780	169	22%	38	126	1	5
JPAC379	529867	6855096	347	40	12	40	28	1506	365	24%	76	273	3	15
JPAC380	530120	6855099	348	26	8	26	18	898	243	27%	48	185	2	9
JPAC381	530374	6855101	349	39	20	38	18	1191	262	22%	57	195	2	9
JPAC382	530622	6855099	350	34	8	33	25	1252	221	18%	49	165	1	6
including					8	12	4	2558	355	14%	83	264	2	7
JPAC383	529998	6855225	347	38	12	38	26	1161	295	25%	60	221	2	12
JPAC384	530120	6855222	348	35	28	35	7	1082	257	24%	54	192	2	9
JPAC385	530248	6855228	348	54	40	52	12	1099	292	27%	63	219	2	8
JPAC386	530370	6855228	349	78	24	78	54	927	205	22%	45	151	1	7
JPAC387	530497	6855227	349	60	8	60	52	1499	377	25%	74	283	3	16
including					16	24	8	2359	637	27%	118	488	6	26
JPAC388	530621	6855226	350	55	12	54	42	2338	560	24%	116	418	5	23
including					12	24	12	3105	719	23%	149	534	6	29
JPAC389	530747	6855226	350	33	8	33	25	2218	466	21%	95	350	4	18
including					12	16	4	4346	643	15%	129	478	7	30
JPAC390	529874	6855351	347	62	20	62	42	1323	324	24%	64	241	3	15
JPAC391	530123	6855350	347	51	17	50	33	1075	256	24%	55	190	2	10
including					40	48	8	2052	453	22%	92	339	4	19
JPAC392	530375	6855350	348	69	8	69	61	1587	391	25%	81	292	3	15
including					32	40	8	2384	608	26%	123	457	5	23
JPAC393	530623	6855349	349	72	16	72	56	2642	692	26%	141	524	5	23
including					36	56	20	3465	889	26%	178	678	6	27
JPAC394	529748	6855478	346	91	20	91	71	1620	383	24%	76	288	3	16
including					12	36	24	2407	528	22%	103	398	5	22
JPAC395	529870	6855477	346	83	16	83	67	1067	265	25%	53	199	2	12
JPAC396	529996	6855477	347	58	12	58	46	1966	505	26%	102	383	4	17
including					28	36	8	2861	774	27%	151	588	6	29
JPAC397	530121	6855477	347	89	16	89	73	2400	620	26%	124	471	5	20
including					24	56	32	3551	931	26%	186	708	7	31
JPAC398	530245	6855478	348	54	28	54	26	1159	256	22%	54	186	2	10
JPAC399	530371	6855472	348	75	36	68	32	1194	243	20%	53	181	2	8
JPAC400	530498	6855476	348	70	36	70	34	1915	438	23%	90	328	3	17
including					52	64	12	3206	719	22%	143	544	5	26
JPAC401	530620	6855474	349	82	20	82	62	2138	508	24%	100	380	5	25
including					32	56	24	2930	668	23%	129	492	7	40
JPAC402	529626	6855601	345	74	16	74	58	1469	381	26%	77	285	3	15
JPAC403	529872	6855724	346	28	0	24	24	1754	439	25%	91	330	3	15
JPAC404	529998	6855727	346	14	4	14	10	1301	335	26%	66	254	3	13
JPAC405	530123	6855725	347	6										NSI
JPAC406	530250	6855728	347	51	4	48	44	1832	439	24%	87	330	4	18
including					12	24	12	2601	552	21%	117	413	4	19
JPAC407	530371	6855727	348	42	12	42	30	1397	346	25%	71	258	3	14

Notes: Coordinates MGA Zone 50 GDA94. All holes drilled vertically. TREO represents the sum of 14 Rare Earth Elements excluding Promethium plus Yttrium expressed as oxides. MREO represents the sum of the Neodymium, Praseodymium, Dysprosium and Terbium expressed as oxides See Table Two for complete REE assay listing. NSI = no significant intersection.

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Table Two: Jupiter Drilling REE, Th and U assays.

Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC263	4	8	4	401	82	157	22	71	10	2.4	9	1.1	5.6	1.1	2.9	0.4	2.8	0.5	35	27	22	2
JPAC263	8	12	4	805	150	386	40	136	21	4.7	16	1.6	7.9	1.3	3.2	0.4	2.1	0.3	37	35	23	3
JPAC263	12	16	4	2122	409	969	119	401	59	13.3	41	4.2	19.2	2.8	6.6	0.8	3.7	0.5	73	43	30	3
JPAC263	16	20	4	1351	251	630	75	259	38	8.5	26	2.7	12.2	1.8	3.7	0.5	2.7	0.4	40	35	23	4
JPAC263	20	24	4	1659	284	759	90	328	51	11.9	37	3.8	18	2.8	5.7	0.7	3.5	0.6	64	40	29	5
JPAC263	24	28	4	1194	208	552	64	222	34	8.1	25	2.7	13.3	2.2	5.3	0.7	4	0.6	54	32	20	6
JPAC263	28	32	4	1397	209	500	58	202	33	8.4	31	4.4	29.2	6.8	22.3	3.8	24.5	4.3	259	30	20	5
JPAC263	32	36	4	1394	214	527	71	267	46	11.3	38	4.3	22.3	4.5	12.3	1.9	10.8	1.9	163	28	18	5
JPAC263	36	40	4	905	172	378	47	164	26	6.2	20	2.2	10.9	2	4.8	0.7	3.9	0.6	67	26	15	3
JPAC263	40	44	4	959	182	413	50	174	26	6.3	21	2.3	11.3	2	5.1	0.8	4.2	0.7	61	26	16	3
JPAC263	44	48	4	840	158	360	45	155	24	5.7	18	1.9	9.6	1.7	4.5	0.6	3.6	0.5	53	27	14	3
JPAC263	48	51	3	948	183	409	49	172	26	6	20	2.1	10.7	2	4.8	0.7	4.4	0.6	59	28	14	2
JPAC264	8	12	4	118	30	43	6	20	2	0.7	2	0.3	1.7	0.3	0.8	0.1	0.8	0.1	9	21	15	2
JPAC264	12	16	4	1172	260	516	63	209	30	6.9	21	2.2	10.1	1.6	3.7	0.5	2.3	0.4	46	49	34	3
JPAC264	16	20	4	1494	339	639	86	283	40	8.6	25	2.6	11.8	1.8	4.3	0.5	2.6	0.4	50	60	38	3
JPAC264	20	24	4	1485	296	682	81	275	42	8.4	26	2.7	13.1	2	4.7	0.5	3	0.4	50	52	47	2
JPAC264	24	28	4	1082	216	464	63	213	31	6.8	21	2.2	10.4	1.7	3.9	0.5	2.6	0.3	46	48	24	2
JPAC264	28	32	4	1683	317	742	101	335	49	10.5	31	3.4	16.1	2.6	6.2	0.7	3.8	0.5	66	45	32	4
JPAC264	32	36	4	1949	314	898	108	383	56	13.1	41	4.3	21.3	3.7	8.6	1	4.8	0.7	92	45	32	4
JPAC264	36	40	4	1747	270	767	102	383	61	13.1	40	4.3	20	3.3	6.9	0.9	4.5	0.6	72	34	17	3
JPAC264	40	44	4	960	153	461	53	188	29	6.6	19	2	8.8	1.4	3.3	0.4	2.9	0.4	33	35	18	4
JPAC264	44	48	4	659	114	279	35	131	21	4.9	16	1.6	8	1.4	3.6	0.6	3.6	0.5	40	31	13	4
JPAC264	48	52	4	1043	146	360	51	202	37	9.3	35	4.3	22.4	4.5	12.1	1.9	11.5	1.9	146	27	14	8
JPAC264	52	56	4	1122	178	453	58	206	32	7.6	28	3.2	16.3	3.3	8.7	1.3	7.7	1.1	117	27	16	4
JPAC264	56	57	1	928	163	394	50	177	27	6.3	21	2.2	11.6	2.1	5.1	0.7	4.1	0.6	63	30	14	3
JPAC265	8	12	4	255	67	93	15	46	6	1.5	5	0.6	2.8	0.5	1.4	0.2	1.4	0.2	15	28	20	2
JPAC265	12	16	4	1154	250	496	64	206	30	6.6	20	2.2	10.8	2.1	4.9	0.7	3.6	0.4	57	44	27	3
JPAC265	16	20	4	1475	293	655	84	278	37	8.5	25	2.7	13.8	2.3	5.5	0.7	3.7	0.5	66	45	26	2
JPAC265	20	24	4	1613	314	688	95	328	47	10.3	31	3.4	16	2.6	6.3	0.8	4.5	0.7	66	45	23	2
JPAC265	24	28	4	1483	276	662	86	292	44	9.2	29	3	14.6	2.2	5	0.7	3.7	0.6	57	45	25	2
JPAC265	28	32	4	1564	280	737	90	314	45	9.1	26	2.6	11.1	1.9	4.1	0.5	3.3	0.5	40	38	22	2
JPAC265	32	36	4	1046	188	458	57	217	31	6.7	20	2	8.8	1.6	4	0.6	4.1	0.7	46	29	16	4
JPAC265	36	40	4	934	146	351	44	163	30	6.9	23	3	16.5	3.1	9.8	1.6	10.3	1.6	125	28	15	6
JPAC265	40	44	4	1348	179	439	57	219	44	11.2	43	6	32.8	6.7	20	3	17.8	2.9	267	28	16	6
JPAC265	44	48	4	907	160	383	48	175	30	6.6	19	2.3	10.8	1.9	4.9	0.6	4.1	0.6	61	26	14	4

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC266	20	24	4	113	30	46	5	17	3	0.6	2	0.2	1.1	0.2	0.6	0.1	0.6	0.1	6	35	29	2
JPAC266	24	28	4	321	134	118	15	35	4	0.8	3	0.3	1.5	0.3	0.7	0.1	0.9	0.1	8	54	34	3
JPAC266	28	32	4	1608	660	597	92	206	17	3	7	0.9	4.3	0.7	2	0.3	1.8	0.3	16	44	31	4
JPAC266	32	36	4	4613	1115	2506	221	614	58	9.9	25	2.8	11.1	1.7	3.7	0.5	2.9	0.4	42	52	37	4
JPAC266	36	40	4	2287	444	1077	119	421	64	12.6	38	4.2	19.2	3	6.8	0.7	4.1	0.5	73	48	49	5
JPAC266	40	44	4	1396	260	636	73	271	43	9	25	2.8	12.5	1.9	5	0.6	3.9	0.5	53	42	44	8
JPAC266	44	48	4	2095	337	911	111	442	77	15.6	45	4.9	20.8	3.5	8.9	1.3	8.2	1.1	108	38	25	6
JPAC266	48	52	4	1877	265	667	89	360	69	16.2	55	7	35.8	6.9	20.4	2.9	17.9	3	263	35	27	5
JPAC266	52	56	4	1094	162	431	57	220	41	8.6	29	3.4	16.5	2.9	8.3	1.2	7.1	1.1	106	30	15	4
JPAC266	56	60	4	1055	158	425	58	225	40	8.2	26	3.2	15.1	2.5	6.8	0.9	5	0.7	81	26	13	4
JPAC266	60	63	3	1303	220	556	71	266	44	9.1	28	3.2	14.7	2.4	6.5	0.8	4.9	0.6	77	28	23	4
JPAC267	12	16	4	735	171	335	37	118	17	3.6	10	1	4.9	0.9	2.8	0.4	2.7	0.4	31	27	15	3
JPAC268	12	16	4	584	135	295	30	89	11	1.9	5	0.5	2.2	0.4	1.1	0.2	1.1	0.2	12	29	17	3
JPAC269	4	8	4	187	38	90	8	25	4	0.9	3	0.4	2	0.4	1	0.2	1.1	0.2	12	23	18	2
JPAC269	8	12	4	556	119	240	30	103	16	3.3	10	1.2	5.1	0.9	2.5	0.3	1.7	0.2	24	31	16	3
JPAC269	12	16	4	1826	330	754	95	384	70	14.9	46	5.1	22.5	3.5	8	1	5.3	0.7	87	46	28	3
JPAC269	16	20	4	1919	332	822	102	429	73	14.6	40	4.2	17.3	2.6	6.4	0.8	4.4	0.6	70	39	24	3
JPAC269	20	24	4	1436	246	603	73	289	55	11.3	32	3.4	15.1	2.6	7.5	1	6.9	1	89	32	20	6
JPAC269	24	28	4	1191	187	435	55	212	41	10.1	35	4.5	23.6	4.6	12.1	1.7	10	1.5	159	28	20	5
JPAC269	28	30	2	1055	192	442	55	204	35	7.1	23	2.6	12.9	2.1	5.9	0.7	4.3	0.6	69	29	19	4
JPAC270	4	8	4	169	33	82	7	23	4	0.9	3	0.4	2.2	0.4	1.2	0.2	1.2	0.2	12	25	26	2
JPAC270	8	12	4	666	131	284	38	124	20	4.1	13	1.6	7.6	1.2	3.2	0.4	2.3	0.3	37	30	21	3
JPAC270	12	16	4	2781	513	1173	170	596	83	15.6	46	5.3	25.1	4.5	10.9	1.3	6	0.7	131	53	40	3
JPAC270	16	20	4	2543	430	1044	155	607	92	15.7	46	4.9	22.5	3.7	8.4	0.9	5.1	0.5	108	53	35	3
JPAC270	20	24	4	2640	462	1077	149	612	100	18.2	53	5.8	26.4	4.1	9	1.1	5.2	0.6	117	53	37	4
JPAC270	24	28	4	2482	421	1112	126	490	85	17	51	6.3	26.7	4.5	10.9	1.3	6	0.7	126	53	40	5
JPAC270	28	32	4	1974	333	871	102	395	68	14.3	41	4.9	22.7	3.7	9	1	5	0.6	103	48	35	5
JPAC270	32	36	4	1537	276	689	78	301	51	10.4	30	3.7	16	2.6	6.2	0.8	4.6	0.6	68	46	29	7
JPAC270	36	40	4	2034	349	875	93	371	74	16.2	52	6.3	28.9	5.2	13	1.6	9.7	1.4	139	51	24	8
JPAC270	40	44	4	2160	325	790	91	358	65	15.3	60	8.3	43	9	28.4	3.9	24.9	4.2	335	41	21	6
JPAC270	44	48	4	1498	205	542	63	252	45	10.4	39	5.2	28.3	6.2	19.6	3	18.9	3.3	257	32	22	5
JPAC270	48	52	4	1083	186	447	55	208	36	7.8	24	3.1	14.4	2.6	6.9	0.9	5.2	0.7	85	28	19	4
JPAC270	52	54	2	1039	198	450	53	195	32	6.4	20	2.5	11.4	1.9	5.1	0.7	3.9	0.5	60	25	16	3
JPAC271	8	12	4	202	54	85	9	28	4	0.9	3	0.5	2	0.4	1.2	0.1	1.3	0.2	13	65	41	3
JPAC271	12	16	4	712	204	307	35	106	16	3	9	1	4.9	0.8	2.1	0.3	1.7	0.2	22	62	47	3
JPAC271	16	20	4	1258	327	575	58	185	28	6.2	17	2.1	9.3	1.5	4	0.5	3	0.5	41	50	39	4
JPAC271	20	24	4	575	237	241	22	52	6	1.5	3	0.4	2	0.3	0.9	0.1	0.8	0.2	9	52	46	2
JPAC271	24	28	4	1605	516	657	81	234	32	6.9	19	2.2	9.8	1.6	3.4	0.4	2.3	0.3	40	50	36	2
JPAC271	28	32	4	1242	355	499	64	201	29	6.5	19	2.4	10.7	1.8	4.3	0.5	3.2	0.4	46	46	31	5

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC271	32	36	4	2620	585	1156	143	490	72	15	41	4.8	20.3	3.1	7.3	0.8	4.7	0.6	78	39	27	6
JPAC271	36	40	4	2055	414	927	114	401	60	12.4	33	4	16.1	2.4	6.1	0.7	4	0.6	61	40	25	7
JPAC271	40	44	4	1675	283	762	91	344	54	11.1	32	3.7	16.8	2.7	6.6	0.8	4.4	0.6	65	39	23	6
JPAC271	44	48	4	1836	294	770	97	393	67	14.1	42	5.1	23.2	3.7	9.8	1.3	7.5	1	107	34	22	5
JPAC271	48	52	4	1545	281	679	78	296	50	10.7	33	3.8	16.9	2.8	7.7	0.9	5.9	0.7	78	35	22	4
JPAC271	52	56	4	1158	232	533	56	206	32	6.7	19	2.2	10.2	1.8	4.8	0.7	3.9	0.6	50	37	23	4
JPAC271	56	60	4	577	110	247	29	112	18	4.7	12	1.4	6.2	1.1	2.8	0.4	2.4	0.4	31	34	12	3
JPAC271	60	64	4	708	125	296	36	138	22	5.2	15	1.9	8.4	1.6	4.2	0.5	3.1	0.4	50	27	14	3
JPAC271	64	68	4	1046	180	447	55	204	33	7.5	23	2.8	12.8	2.2	5.9	0.7	4.3	0.6	68	29	20	4
JPAC271	68	70	2	820	141	350	42	160	26	5.9	18	2.2	10.4	1.7	4.6	0.6	3.3	0.5	54	27	17	3
JPAC272	4	8	4	278	55	125	12	43	7	1.5	5	0.7	3.9	0.7	1.8	0.3	1.9	0.3	20	26	23	3
JPAC272	8	12	4	1082	284	344	71	246	35	6.9	19	2.3	10.8	1.8	4.7	0.6	3.4	0.4	54	38	25	3
JPAC272	12	16	4	2390	439	1056	126	469	71	15	43	5.2	23.3	4	10.3	1.2	6.7	0.9	121	49	27	2
JPAC272	16	20	4	2930	463	1548	112	416	72	16.3	51	6.3	30	5.4	14.4	1.8	10.4	1.4	182	49	33	3
JPAC272	20	24	4	2876	399	1775	107	376	59	11.8	33	4	18	2.9	7.8	0.9	4.8	0.7	78	42	28	3
JPAC272	24	28	4	1910	339	800	103	392	65	13.8	41	5.1	23.3	3.8	9.2	1.1	5.9	0.8	109	44	33	4
JPAC272	28	32	4	1695	278	765	87	343	58	11.8	34	4.1	18.1	3.1	7.4	0.8	4.7	0.6	80	43	35	6
JPAC272	32	36	4	1678	267	717	83	324	60	11.9	38	5	23.4	4.2	11.3	1.3	8.8	1.3	122	39	28	7
JPAC272	36	40	4	1144	181	440	53	206	36	8.4	28	3.9	21.1	4.3	11.8	1.6	10.1	1.6	138	26	19	4
JPAC273	8	12	4	312	86	128	13	41	7	1.6	5	0.8	3.8	0.6	2	0.3	1.8	0.2	21	30	25	2
JPAC273	12	16	4	433	223	75	26	71	8	2	5	0.6	2.8	0.5	1.2	0.1	1	0.1	17	50	31	2
JPAC273	16	20	4	471	232	83	29	81	10	2.6	7	0.8	3.8	0.6	1.5	0.2	1	0.2	19	48	28	2
JPAC273	20	24	4	2109	1025	291	144	430	48	10.7	33	3.5	16.1	2.9	6.8	0.7	3.6	0.5	93	53	35	3
JPAC273	24	28	4	6121	1401	2543	313	1165	162	33.9	98	12	57	9.9	24.5	2.8	15.5	1.8	282	43	63	5
JPAC273	28	32	4	5105	1027	2518	251	867	118	24.1	63	7.9	35.1	5.9	14.5	1.9	11.8	1.5	159	48	30	5
JPAC273	32	36	4	4824	493	3059	165	652	96	20	56	7	34.1	6	17.6	2.3	14.5	1.9	202	37	24	5
JPAC273	36	40	4	1782	260	883	76	302	49	11	33	4.3	19.8	3.6	10.3	1.4	9.6	1.5	117	33	21	6
JPAC273	40	43	3	1032	178	432	51	200	33	7.4	23	2.8	13.8	2.3	6.3	0.8	4.3	0.7	77	29	16	5
JPAC274	4	8	4	247	48	113	10	35	6	1.2	4	0.6	3.6	0.7	2	0.2	1.9	0.3	21	24	20	2
JPAC274	8	12	4	634	177	193	40	137	21	4.5	13	1.6	7.8	1.3	3.1	0.3	2	0.3	33	48	40	3
JPAC274	12	16	4	1263	273	425	73	286	46	10.6	30	3.8	17.7	3	7.7	1	5.9	0.8	80	52	44	3
JPAC274	16	20	4	2184	394	1149	100	352	51	10.4	30	3.5	16.8	2.5	5.8	0.6	3.7	0.4	66	51	43	4
JPAC274	20	24	4	2613	425	1370	112	421	67	15.1	42	5.4	24.3	4	9.6	1.1	5.8	0.7	111	45	45	4
JPAC274	24	28	4	2608	398	1296	116	448	76	17.1	51	6.6	30.3	5.1	12.4	1.5	7.8	1	143	42	39	4
JPAC274	28	32	4	1511	272	705	82	301	45	9.2	22	2.4	11.2	1.8	4.6	0.7	4.5	0.7	51	31	28	7
JPAC274	32	36	4	1346	229	576	68	265	44	9.4	29	3.5	16.6	2.9	7.1	0.9	5.4	0.7	89	28	27	5
JPAC274	36	40	4	1190	220	510	60	229	38	8	24	2.9	14.3	2.3	5.5	0.8	4.3	0.6	72	27	18	4
JPAC274	40	44	4	1228	219	526	62	240	42	9	27	3.3	15	2.4	6	0.7	4.2	0.6	71	25	19	4
JPAC274	44	48	4	1093	186	456	57	223	38	8.5	25	3.2	14.3	2.4	6	0.7	4	0.6	69	24	17	3

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC274	48	52	4	1084	189	450	57	222	38	8	26	3	13	2.2	5	0.7	3.7	0.5	67	24	17	3
JPAC274	52	54	2	1039	180	435	54	211	36	7.9	23	2.8	13.9	2.1	5.4	0.6	4.1	0.5	65	25	17	3
JPAC275	8	12	4	303	98	105	15	48	6	1.6	5	0.6	2.8	0.5	1.6	0.2	1.2	0.2	18	35	18	2
JPAC275	12	16	4	651	219	229	34	105	14	3.4	9	1.2	5.5	0.9	2.2	0.2	1.5	0.2	27	51	24	2
JPAC275	16	20	4	1536	357	654	81	279	41	9.3	26	3.3	14.6	2.3	5.6	0.6	3.5	0.4	61	42	23	2
JPAC275	20	24	4	5054	520	3476	147	558	83	17.9	52	6.7	31.9	5.3	13	1.5	8.5	1.1	133	44	28	3
JPAC275	24	28	4	2905	284	1953	84	331	53	11.8	34	4.4	20.6	3.7	10.2	1.2	7.5	1	106	35	25	5
JPAC275	28	32	4	1490	229	640	70	281	48	11	33	4.4	21.2	3.9	10.6	1.5	9.9	1.5	126	28	23	7
JPAC275	32	36	4	1025	178	443	53	197	32	7.2	21	2.6	12.3	2.2	5.6	0.7	4.2	0.6	66	27	18	3
JPAC275	36	39	3	1049	173	459	54	206	32	7	21	2.8	12.7	2.3	5.8	0.8	4.7	0.6	67	24	19	3
JPAC276	12	16	4	160	45	56	8	27	4	0.9	3	0.3	2	0.4	1.1	0.2	1.1	0.2	11	39	26	2
JPAC276	16	20	4	421	140	132	25	83	10	2.1	6	0.7	3.6	0.6	1.4	0.2	1.2	0.2	16	65	43	2
JPAC276	20	24	4	601	205	190	37	118	14	3.2	8	0.9	4.1	0.7	1.5	0.2	1.2	0.2	18	61	38	1
JPAC276	24	28	4	945	281	407	47	145	16	3.9	10	1.2	5.5	0.8	1.9	0.2	1.3	0.2	25	45	27	2
JPAC276	28	32	4	1334	360	630	64	196	24	5.2	13	1.4	6.5	1.1	2.4	0.3	1.7	0.2	29	43	32	3
JPAC276	32	36	4	1779	450	851	83	271	31	7.2	18	2.2	9.3	1.6	3.9	0.5	2.7	0.4	47	46	33	3
JPAC276	36	40	4	1783	453	833	85	279	33	7.5	19	2.3	10.3	1.7	4.1	0.5	2.8	0.4	52	42	30	3
JPAC276	40	44	4	1701	453	768	87	279	31	6.9	17	2	8.9	1.4	3.6	0.4	2.3	0.3	41	40	28	4
JPAC276	48	52	4	3470	572	1843	158	603	82	16.2	50	5.8	24.7	3.9	8.9	1.1	6.5	0.9	96	43	23	7
JPAC276	52	56	4	4360	550	2580	181	701	102	20	59	6.9	29.3	4.6	10.7	1.4	8.6	1.2	105	38	21	6
JPAC276	56	60	4	1014	139	598	41	151	21	3.8	13	1.6	6.8	1.2	2.9	0.4	2.6	0.4	32	31	48	3
JPAC276	60	64	4	1567	269	764	76	286	41	8.3	25	3	14	2.3	5.8	0.8	4.7	0.7	68	33	25	4
JPAC276	64	68	4	1289	232	598	64	241	34	7.3	22	2.7	11.9	2.1	5.1	0.7	4.3	0.6	63	28	25	4
JPAC276	68	72	4	1196	214	554	59	223	32	6.5	20	2.5	11.4	2	5.2	0.6	3.8	0.7	61	27	21	3
JPAC276	72	74	2	986	177	448	50	186	27	6	18	2.2	10.2	1.7	4.1	0.5	3.4	0.5	52	29	20	2
JPAC277	8	12	4	225	41	114	10	32	5	1	3	0.5	2.5	0.4	1.3	0.2	1	0.2	13	22	19	1
JPAC277	12	16	4	283	102	67	18	57	8	1.9	6	0.7	3.2	0.5	1.4	0.2	1.2	0.2	18	41	18	2
JPAC277	16	20	4	462	174	127	27	82	12	3	8	0.9	4.1	0.7	1.6	0.2	1.3	0.2	22	50	27	2
JPAC277	20	24	4	4138	1366	1253	271	876	101	22	59	6.8	29.5	4.8	10.2	1.2	6.4	0.9	131	50	28	3
JPAC277	24	28	4	3342	862	1217	220	736	90	18.6	49	6	25.2	3.8	8.7	1.2	5.8	0.8	99	50	30	5
JPAC277	28	32	4	4725	822	1763	300	1242	180	38	99	11.6	50.4	7.8	17.2	2.1	11.3	1.3	180	47	27	6
JPAC277	32	36	4	3042	481	1437	162	656	95	19.1	53	6.3	26.4	4	8.9	1.1	6	0.7	87	48	37	7
JPAC277	36	40	4	2364	320	1169	116	484	72	15.5	43	5.3	23.1	3.8	8.7	1.1	6.6	0.9	94	43	29	7
JPAC277	40	44	4	2881	293	1462	115	555	108	23.7	71	8.6	39.3	6.4	16.2	2.2	14.6	2	164	38	24	8
JPAC277	44	48	4	1375	206	563	66	265	43	9.4	31	4	19.5	3.9	11.1	1.7	11.2	1.8	140	31	21	6
JPAC277	48	50	2	1195	196	507	61	233	37	8	25	3.2	15	2.8	7.4	1	5.9	0.9	92	28	20	4
JPAC278	12	16	4	226	64	85	12	39	5	1.2	3	0.4	2.1	0.4	1.2	0.1	1.2	0.2	12	32	18	2
JPAC278	16	20	4	891	270	321	54	171	19	4.2	11	1.3	5.7	1	2.5	0.3	1.8	0.3	29	45	19	1
JPAC278	20	24	4	1563	427	635	89	292	32	7.7	18	2	9.1	1.5	3.6	0.4	2.2	0.4	45	49	19	1

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JPAC278	24	28	4	1696	456	730	91	296	34	7.7	19	2.2	9.8	1.6	3.6	0.4	2.3	0.3	43	43	23	2
JPAC278	28	32	4	1638	402	794	77	240	30	6.5	17	1.9	9.2	1.6	3.9	0.5	2.9	0.4	52	40	22	2
JPAC278	32	36	4	1347	311	666	62	202	27	6.1	16	2	8.8	1.4	3.1	0.4	2.1	0.3	39	39	24	3
JPAC278	36	40	4	1331	326	618	70	221	27	5.8	15	1.7	7.5	1.2	2.8	0.3	2.1	0.3	33	49	19	3
JPAC278	40	44	4	924	197	458	44	150	20	4.3	11	1.3	5.9	1	2.4	0.3	2	0.3	27	40	23	4
JPAC278	44	48	4	1345	251	789	54	176	21	4.4	11	1.4	6.3	1	2.5	0.3	2.3	0.3	26	38	30	5
JPAC278	48	52	4	1398	239	823	52	181	23	5.3	14	1.7	7.8	1.5	3.5	0.4	2.8	0.4	42	37	22	3
JPAC278	52	56	4	2176	466	1144	99	330	39	7.9	20	2.2	10.4	1.7	3.9	0.4	3.1	0.4	50	38	24	2
JPAC278	56	60	4	2217	464	1092	106	373	47	9.8	25	2.9	13.5	2.3	5.9	0.8	4.9	0.7	69	35	23	2
JPAC278	60	64	4	1581	353	754	78	257	31	6.6	17	2	9.2	1.7	4.9	0.8	5.3	0.8	61	36	24	2
JPAC278	64	68	4	1655	367	800	81	275	33	7	18	2	9.4	1.6	4.2	0.5	3.8	0.5	53	35	20	2
JPAC278	68	72	4	1362	306	661	67	224	27	5.6	14	1.7	7.6	1.3	3.5	0.4	2.8	0.4	40	28	21	2
JPAC279	16	20	4	378	110	156	19	60	8	1.5	4	0.6	2.6	0.5	1.3	0.2	1.2	0.2	14	44	33	2
JPAC279	20	24	4	2017	462	1059	86	288	35	7.1	19	2.2	9.3	1.4	3.6	0.5	2.8	0.3	42	46	30	1
JPAC279	24	28	4	2468	517	1357	101	341	45	8.9	24	2.7	11.7	1.9	4	0.5	3.2	0.4	51	45	31	1
JPAC279	28	32	4	2620	578	1327	108	383	52	10.3	31	3.7	16.6	3	7.6	0.9	5	0.7	95	46	34	1
JPAC279	32	36	4	1015	274	479	45	143	20	4.2	11	1.3	5.6	1	2.2	0.3	1.7	0.2	26	49	40	2
JPAC279	36	40	4	1839	475	865	81	262	35	7.6	22	2.6	12.3	2.1	5.4	0.6	4	0.5	65	52	51	3
JPAC279	40	44	4	2177	554	1086	87	276	37	7.8	23	2.8	12.7	2.2	5.9	0.7	4.8	0.6	77	54	43	3
JPAC279	44	48	4	2216	564	1113	87	281	38	8	24	2.9	13.5	2.3	5.8	0.7	4.1	0.6	72	51	40	3
JPAC279	48	52	4	1028	232	536	41	136	19	3.5	12	1.5	7.1	1.2	2.7	0.4	2.6	0.3	33	36	48	2
JPAC279	52	56	4	1653	441	685	87	297	38	6.5	20	2.2	10.9	1.7	4.8	0.7	5	0.7	52	35	57	3
JPAC279	56	60	4	2490	637	1067	125	432	56	10.4	32	3.7	17.2	2.9	7.5	1.1	7.7	1.2	90	45	43	2
JPAC279	60	64	4	1434	347	672	66	220	29	5.6	17	2.2	9.8	1.7	4.4	0.6	3.8	0.6	55	37	27	2
JPAC279	64	68	4	1640	426	741	76	255	34	6.7	19	2.3	10.6	1.9	4.8	0.6	3.8	0.5	59	35	31	2
JPAC279	68	72	4	1482	367	703	68	225	29	5.4	17	2	9.6	1.6	3.7	0.5	3.3	0.5	48	33	27	2
JPAC279	72	76	4	1277	317	607	58	191	25	5.1	14	1.7	8.3	1.3	3.4	0.5	3	0.4	42	31	23	2
JPAC279	76	77	1	1365	337	656	61	201	26	5.2	15	1.8	8.4	1.5	3.6	0.5	3.1	0.4	45	32	25	2
JPAC280	28	32	4	105	35	25	7	23	3	0.8	2	0.3	1.4	0.2	0.5	0.1	0.7	0.1	6	43	12	1
JPAC280	32	36	4	562	165	142	40	139	22	4.4	13	1.5	6.9	1	2.1	0.3	1.4	0.2	24	50	24	3
JPAC280	36	40	4	958	237	308	60	219	34	6.7	21	2.5	11.4	1.8	4	0.5	2.5	0.4	49	52	27	4
JPAC280	40	44	4	3488	985	1066	234	832	118	23.5	66	7.4	30.8	4.5	8.9	0.9	5	0.6	107	52	30	4
JPAC280	44	48	4	2309	538	994	126	413	65	13.3	40	4.4	20.4	3.2	6.8	0.7	3.8	0.5	81	56	28	6
JPAC280	48	52	4	2364	503	1027	131	446	70	14.6	46	5.4	24.9	3.6	7.1	0.8	4.3	0.5	80	52	31	6
JPAC280	52	56	4	3443	760	1437	201	667	106	23.3	68	8.1	36.3	5.5	10.9	1.3	6.7	0.9	113	48	36	7
JPAC280	56	60	4	3684	705	1548	198	707	119	28	91	11.3	55.8	8.6	17.4	1.9	9.8	1.2	183	48	35	6
JPAC280	60	64	4	2439	375	1265	114	394	66	14.6	46	5.5	27.2	4.3	10.1	1.2	6.9	0.8	108	51	39	7
JPAC280	64	68	4	2179	330	1153	98	343	56	12.5	37	4.6	23.1	4	8.9	1.2	6.6	0.9	102	43	30	5
JPAC280	68	72	4	3005	437	1069	172	685	122	27.2	82	10.2	55.2	9.5	24.4	3.5	21.3	3	284	40	28	5

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JPAC280	72	76	4	2387	299	767	104	411	79	19.1	74	9.6	58.3	12.4	36.2	5.3	33.1	5.4	475	39	26	6
JPAC281	32	36	4	138	44	27	9	30	5	1.3	4	0.5	2.5	0.4	1.2	0.2	1.1	0.2	12	45	6	1
JPAC281	36	40	4	383	133	88	23	74	11	2.7	9	1.1	5.8	1	2.6	0.3	2.1	0.4	29	49	14	2
JPAC281	40	44	4	166	38	51	8	28	5	1.3	4	0.7	3.7	0.8	1.9	0.3	2.1	0.3	21	47	12	2
JPAC281	44	48	4	1158	229	660	44	139	21	4.9	14	1.7	8.3	1.2	3.1	0.3	1.8	0.3	32	51	33	4
JPAC281	48	52	4	2333	527	1253	91	281	43	9.3	30	3.6	17.6	2.7	5.4	0.6	3.2	0.4	67	45	32	4
JPAC281	52	56	4	1520	311	807	60	198	32	6.8	23	3	14.7	2.3	4.9	0.6	3.3	0.4	53	35	43	2
JPAC281	56	60	4	1350	254	731	56	182	29	6.3	20	2.5	12.6	2	4.4	0.5	3.1	0.5	47	53	35	3
JPAC281	60	64	4	4836	1261	1732	297	1010	150	31.6	88	10.5	51.6	7.5	17.2	2.1	11.2	1.5	166	39	33	2
JPAC281	64	68	4	2516	468	1004	99	353	55	12.4	49	6.4	40.1	8.9	26.8	4.1	25.3	4	361	34	25	2
JPAC281	68	72	4	1347	326	629	62	192	26	5.1	16	1.9	9.4	1.8	4.6	0.7	4.2	0.6	68	33	24	2
JPAC281	72	76	4	1472	353	706	69	219	30	5.8	17	2	9.7	1.6	3.8	0.5	3	0.4	52	32	25	1
JPAC281	76	80	4	1429	354	688	65	203	27	5.9	17	1.9	8.9	1.6	3.7	0.6	3	0.5	49	31	25	1
JPAC281	80	82	2	1423	357	694	65	198	26	5.2	16	1.8	8.5	1.4	3.6	0.5	2.5	0.3	45	32	25	1
JPAC282	28	32	4	146	43	62	7	21	3	0.7	2	0.2	1.1	0.2	0.7	0.1	0.6	0.1	6	37	43	1
JPAC282	32	36	4	588	170	287	26	75	8	2.2	4	0.5	2.3	0.4	0.9	0.1	0.6	0.1	10	31	45	1
JPAC282	36	40	4	651	192	296	33	94	10	2.6	5	0.5	2.5	0.4	1	0.1	0.8	0.1	12	27	49	1
JPAC282	40	44	4	1313	324	663	59	178	21	5.5	12	1.4	7.1	1.2	2.8	0.4	2.1	0.3	36	41	66	2
JPAC282	44	48	4	1618	345	848	70	227	30	7.7	18	2	9.9	1.6	4.2	0.5	3.3	0.4	51	43	63	3
JPAC282	48	52	4	1033	259	499	47	143	16	5.3	11	1.1	6.1	1.2	3	0.4	2.4	0.4	39	37	45	2
JPAC282	52	56	4	704	178	335	32	100	12	3.8	7	0.8	4.2	0.8	1.9	0.3	1.8	0.3	25	36	35	2
JPAC282	56	60	4	654	161	319	30	91	11	3.7	7	0.8	3.9	0.7	2	0.2	1.6	0.3	22	35	35	2
JPAC282	60	64	4	623	116	276	33	115	19	4.3	12	1.3	6.8	1.1	2.7	0.4	2.5	0.4	34	35	20	3
JPAC282	64	68	4	963	174	441	48	173	28	6.1	17	2	9.9	1.6	4.3	0.6	3.5	0.6	54	33	21	4
JPAC282	68	72	4	1187	219	528	62	218	34	7.2	23	2.7	13	2.1	5.6	0.7	4.2	0.6	67	29	24	4
JPAC283	32	36	4	105	29	43	5	15	2	0.5	1	0.2	1.2	0.2	0.8	0.1	1	0.2	6	49	50	2
JPAC283	36	40	4	1458	393	749	57	173	20	4.9	12	1.3	7.3	1.1	2.9	0.4	2.3	0.4	34	49	25	2
JPAC283	40	44	4	1811	493	907	80	240	26	5.7	15	1.5	6.7	1.1	2.7	0.3	2.2	0.2	31	41	32	3
JPAC283	44	48	4	2245	623	989	110	353	43	9.3	24	2.6	11.4	2.1	5.5	0.7	4.5	0.7	67	35	26	3
JPAC283	48	52	4	1603	459	727	74	226	25	6.1	16	1.7	8.1	1.4	3.9	0.6	3.6	0.5	50	35	27	2
JPAC283	52	56	4	1535	425	701	69	220	26	5.6	15	1.6	8.5	1.4	4.1	0.5	3	0.5	53	38	25	3
JPAC283	56	60	4	1570	387	722	78	254	31	6.8	19	2	9.4	1.5	4.1	0.5	3.2	0.5	52	35	21	3
JPAC283	60	64	4	1444	376	667	71	225	26	6.2	15	1.7	7.2	1.3	3.4	0.4	2.4	0.3	41	34	24	3
JPAC283	64	68	4	1346	358	630	65	201	22	5.5	13	1.5	7	1.2	3	0.3	2	0.3	37	34	23	3
JPAC283	68	72	4	1381	394	638	65	198	22	5	13	1.3	6.1	1	2.3	0.3	2	0.2	33	30	23	2
JPAC283	72	76	4	1093	301	500	52	164	19	4.6	12	1.2	5.1	0.8	2.5	0.3	1.9	0.3	29	32	17	1
JPAC283	76	78	2	1151	310	529	53	174	21	4.9	13	1.3	6.7	1	2.8	0.3	2	0.2	31	32	16	1
JPAC284	32	36	4	74	17	30	3	10	2	0.2	1	0.2	1.2	0.2	0.8	0.1	1.1	0.2	7	58	35	2
JPAC284	36	40	4	834	203	383	39	134	19	4.6	13	1.5	7.1	1	2.6	0.3	1.9	0.2	24	44	22	2

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC284	40	44	4	1213	300	572	60	192	23	4.9	14	1.5	6.8	1.2	3.1	0.4	1.9	0.2	32	43	40	2
JPAC284	44	48	4	2375	517	1165	123	411	55	11.1	27	2.9	13	1.8	3.9	0.5	2.9	0.3	43	40	39	4
JPAC284	48	52	4	1655	386	762	81	271	34	8.9	21	2.4	11.9	2.1	5.7	0.7	4.7	0.6	64	37	24	2
JPAC284	52	56	4	1251	293	571	63	206	26	6	15	1.6	8.6	1.5	4	0.5	3.1	0.4	52	30	18	2
JPAC284	56	60	4	1306	306	611	68	217	25	6	15	1.6	8	1.3	3.6	0.4	2.6	0.3	42	32	20	2
JPAC284	60	64	4	1389	338	645	70	225	27	6	16	1.6	8.1	1.4	3.7	0.5	2.7	0.4	45	32	22	2
JPAC284	64	67	3	1375	341	640	69	219	25	5.7	15	1.6	7.4	1.3	3.6	0.4	2.6	0.4	44	32	23	2
JPAC285	32	36	4	213	69	85	11	29	4	0.9	2	0.3	1.5	0.3	1	0.1	1.2	0.1	8	74	46	2
JPAC285	36	40	4	811	267	278	49	150	18	4.2	10	1.1	4.9	0.9	2.4	0.3	1.8	0.2	23	53	35	2
JPAC285	40	44	4	1503	380	701	73	226	30	7.2	18	2	9.3	1.6	4.1	0.5	2.8	0.3	48	59	32	2
JPAC285	44	48	4	1660	407	739	86	282	39	8.9	22	2.3	11.4	1.7	4.7	0.6	3.3	0.4	51	50	37	3
JPAC285	48	52	4	1810	378	877	85	294	41	9.4	25	2.7	13.8	2.4	6.2	0.8	4.6	0.6	71	50	39	4
JPAC285	52	56	4	2468	544	1188	116	395	50	12.1	32	3.4	16.8	3	7.8	1	6.6	0.8	92	44	36	3
JPAC285	56	60	4	2094	484	968	106	355	44	9.4	27	2.8	13.5	2.4	6.4	0.8	5.8	0.7	70	49	42	3
JPAC285	60	64	4	2447	563	1107	127	433	55	11.7	30	3.2	15.4	2.7	7	0.9	5.9	0.9	85	45	38	3
JPAC285	64	68	4	1383	313	644	68	234	32	6.6	17	1.8	9.1	1.6	4.3	0.5	3.4	0.5	47	35	27	2
JPAC286	44	48	4	647	118	419	21	64	8	1.8	4	0.4	1.8	0.3	0.9	0.1	0.8	0.1	8	37	31	3
JPAC286	48	52	4	951	267	398	46	150	22	5.2	13	1.5	7.5	1.1	3	0.3	1.9	0.2	34	42	30	3
JPAC286	52	56	4	2071	665	753	102	331	43	9.6	30	2.9	14.7	2.7	7.3	0.8	4.7	0.5	103	44	25	4
JPAC286	56	60	4	1283	277	671	53	178	27	5.6	16	1.7	7.8	1.3	3.2	0.4	2.7	0.4	40	43	25	3
JPAC286	60	64	4	1589	475	595	87	280	35	7.3	22	2.3	12.1	2	5.1	0.6	4.3	0.6	63	43	26	3
JPAC286	64	68	4	2308	789	656	149	478	61	13	37	3.8	17.9	3	8.3	0.9	5.8	0.7	85	42	25	3
JPAC286	68	72	4	3480	946	1370	208	679	80	15.1	41	4.2	19.4	3.2	8.9	0.9	6.4	0.9	97	40	24	2
JPAC286	72	76	4	3355	528	2082	130	433	54	10.5	27	2.9	12.1	2.1	5.2	0.7	4.9	0.5	63	38	24	2
JPAC286	76	80	4	2065	406	1016	99	353	48	9.5	26	2.8	13.2	2.4	6.6	0.9	7.4	1.1	74	30	22	1
JPAC286	80	83	3	1198	259	603	57	191	23	4.8	13	1.3	6.2	1.1	3	0.4	2.4	0.3	34	29	18	2
JPAC287	12	16	4	74	21	29	3	10	2	0.3	1	0.2	0.9	0.2	0.5	0.1	0.7	0.1	5	23	15	1
JPAC287	16	20	4	660	126	339	26	98	17	3.5	11	1.3	7.1	1	2.5	0.3	1.8	0.2	26	40	30	2
JPAC287	20	24	4	689	135	360	27	98	15	3.9	10	1	5.2	1	2.7	0.3	2	0.2	28	42	23	1
JPAC287	24	28	4	634	173	317	28	83	9	2.8	5	0.5	2.6	0.4	1.1	0.1	0.9	0.1	12	45	47	1
JPAC287	28	32	4	329	100	138	17	50	6	1.4	3	0.4	1.6	0.3	0.8	0.1	0.8	0.1	9	33	43	1
JPAC287	32	36	4	463	138	190	24	72	9	1.7	5	0.7	3.5	0.5	1.3	0.2	1.3	0.1	16	32	37	1
JPAC287	36	40	4	444	126	199	22	66	8	1.5	5	0.5	2.4	0.4	1	0.1	0.7	0.1	13	30	37	1
JPAC287	40	44	4	709	145	386	29	100	13	2.7	7	0.8	3.5	0.6	1.6	0.2	1.3	0.1	18	30	38	1
JPAC287	44	48	4	581	138	274	27	87	12	2.5	8	0.8	4.2	0.8	2.1	0.2	1.4	0.2	24	28	39	1
JPAC287	48	52	4	915	200	436	39	145	22	4.9	14	1.6	7.8	1.3	3.8	0.5	3.1	0.4	37	30	38	1
JPAC287	52	56	4	1700	306	747	86	331	58	10.6	36	4.1	18.4	3	8.4	1.1	7.8	1.1	83	38	22	3
JPAC287	56	60	4	1418	318	631	67	234	37	7.3	22	2.4	12.5	2.3	6	0.9	6.4	0.9	70	40	34	3
JPAC287	60	64	4	934	200	415	42	150	25	5	16	1.8	8.9	1.7	4.7	0.6	3.9	0.6	59	41	30	3

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC287	64	66	2	592	116	244	27	100	18	4	13	1.5	8.4	1.5	4.5	0.5	4	0.5	50	34	13	3
JPAC288	8	12	4	135	33	57	6	19	3	0.6	2	0.3	1.4	0.3	1.1	0.1	1.2	0.2	10	26	15	1
JPAC288	12	16	4	794	225	299	41	143	22	4.1	13	1.4	6.4	1.1	2.9	0.3	2.2	0.3	34	56	39	2
JPAC288	16	20	4	1778	425	819	85	289	44	8.3	24	2.7	12.4	2.1	5	0.6	3.7	0.5	58	63	40	2
JPAC288	20	24	4	1675	332	925	68	228	37	6.2	20	2.1	9.3	1.5	3.5	0.4	2.6	0.3	41	48	26	2
JPAC288	24	28	4	1835	341	954	78	279	46	8.1	28	3.1	14.9	2.4	5.8	0.7	4	0.5	70	43	32	3
JPAC288	28	32	4	1533	291	790	59	200	31	7.1	21	2.2	12.1	2.4	8	1.2	8.6	1.1	100	44	33	2
JPAC288	32	36	4	1876	347	1146	61	194	27	6.7	15	1.8	8.8	1.6	4.4	0.6	4.5	0.6	56	47	47	3
JPAC288	36	40	4	2722	416	1603	103	376	63	11.5	37	4.1	19.3	2.9	7.1	0.8	5.2	0.8	73	45	33	5
JPAC288	40	44	4	1800	319	935	75	275	45	8.4	29	3.2	16.2	2.7	6.7	1	6.7	0.9	77	34	42	4
JPAC288	44	48	4	1621	315	695	75	271	45	7.8	30	3.4	18.6	3.6	11	1.7	11.2	2	132	33	39	5
JPAC288	48	49	1	1062	227	477	52	184	28	4.9	18	1.9	10	1.6	3.9	0.5	3.4	0.6	51	29	31	4
JPAC289	4	8	4	204	41	93	9	29	5	1	3	0.5	2.9	0.5	1.8	0.2	1.6	0.2	16	28	19	2
JPAC289	8	12	4	1171	243	555	64	223	32	6.4	15	1.3	6.4	0.8	2	0.2	1.7	0.3	20	39	17	3
JPAC289	12	16	4	1175	237	554	65	233	34	6.1	15	1.5	5.9	0.9	1.8	0.3	1.6	0.2	19	37	16	2
JPAC289	16	20	4	1289	171	436	56	233	52	12.2	42	5.4	31.7	5.6	16.7	2.4	15	2.1	208	29	12	3
JPAC289	20	24	4	1217	205	482	57	219	41	9.4	33	3.9	21.3	3.7	9.3	1.3	7.3	1	125	30	16	3
JPAC289	24	27	3	1205	215	477	57	213	40	8.7	32	3.7	20.5	3.4	8.8	1.2	7.4	1.1	116	32	17	5
JPAC290	8	12	4	95	24	37	4	14	2	0.5	2	0.2	1.3	0.3	0.7	0.1	0.8	0.1	7	25	11	1
JPAC290	12	16	4	494	131	208	25	84	14	2.8	7	0.7	3.9	0.5	1.4	0.2	1	0.1	15	42	26	2
JPAC290	16	20	4	1194	257	572	59	206	32	6.3	16	1.7	8.1	1.1	2.4	0.3	1.5	0.2	30	48	24	2
JPAC290	20	24	4	1431	286	612	75	276	48	10.2	29	3.4	15.7	2.4	5.6	0.6	3.1	0.4	65	49	20	2
JPAC290	24	28	4	2119	369	875	101	395	74	15.3	48	5.6	29.7	5.2	13.2	1.8	11.8	1.8	172	46	44	3
JPAC290	28	32	4	1901	365	825	95	372	71	14.7	42	4.6	21.8	3	6.7	0.8	4.4	0.4	75	47	23	4
JPAC290	32	36	4	1690	308	701	82	321	63	14.3	46	5	26.2	4.2	9.2	1.1	5.1	0.6	104	43	22	4
JPAC290	36	40	4	1752	318	725	84	335	66	13.8	46	5.4	26.9	4.3	10.2	1	5.8	0.8	111	43	23	4
JPAC290	40	44	4	1438	258	577	70	274	52	11.1	35	4.1	20.7	3.5	10.1	1.4	8.6	1.4	112	37	19	3
JPAC290	44	48	4	1169	211	474	55	213	41	8.4	27	3	16	2.7	7.8	1	6.3	1.1	103	34	16	3
JPAC290	48	52	4	1107	201	470	56	212	40	8.4	26	2.9	14.1	2.1	5.3	0.7	3.9	0.5	65	29	16	3
JPAC290	52	56	4	1159	215	501	57	216	41	8.5	25	3.1	13.8	2.2	5.4	0.7	4	0.5	67	29	17	4
JPAC290	56	59	3	1066	199	462	53	199	37	7.1	23	2.6	12.7	1.9	4.7	0.7	3.9	0.5	60	30	16	4
JPAC291	20	24	4	175	44	71	8	29	5	1.1	3	0.4	2.1	0.4	1	0.1	1.1	0.2	10	55	35	3
JPAC291	24	28	4	1019	229	445	49	173	31	6.4	18	2.1	10.8	1.7	4	0.5	2.8	0.3	47	63	48	3
JPAC291	28	32	4	1011	198	467	42	159	30	7.7	22	2.6	12.9	2.2	5.5	0.7	3.4	0.5	59	60	37	3
JPAC291	32	36	4	484	99	195	22	80	13	4.6	10	1.2	7.1	1.3	3.4	0.4	2.3	0.3	43	42	17	2
JPAC291	36	40	4	486	100	214	22	80	14	3.9	9	1	5.4	0.9	2.5	0.4	2.1	0.3	31	40	13	2
JPAC291	40	44	4	673	114	318	30	118	18	6.1	13	1.6	7.4	1.3	3.9	0.4	3.1	0.4	39	39	14	2
JPAC291	44	48	4	527	89	222	26	101	17	5.6	12	1.4	6.9	1.3	3.7	0.4	3	0.5	38	39	13	2
JPAC291	48	52	4	350	64	129	15	63	12	4.4	9	1.2	6	1.1	3.3	0.4	3.7	0.6	38	37	12	2

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JPAC292	16	20	4	106	26	38	5	16	3	0.6	2	0.3	2.1	0.4	1.2	0.2	1.7	0.2	11	46	31	3
JPAC292	20	24	4	495	155	166	28	94	13	3	9	1	4.4	0.7	1.8	0.2	1.3	0.2	19	52	47	2
JPAC292	24	28	4	2409	453	919	115	499	94	23.1	72	7.9	35.3	5.6	14.9	1.7	9	1.1	159	48	32	3
JPAC292	28	32	4	2664	434	1505	95	366	62	13.8	45	5	22.3	3.5	9.1	1	5	0.4	99	40	25	3
JPAC292	32	36	4	2631	368	1566	98	357	56	12.2	37	4.2	19	3.1	8.5	0.9	5.1	0.6	96	42	34	6
JPAC292	36	40	4	1635	300	771	80	297	47	9.9	29	3.2	14.5	2.5	6	0.7	4.6	0.6	68	42	33	6
JPAC292	40	44	4	1633	300	700	84	324	55	12.1	38	4.4	19.5	3	7.1	0.8	4.9	0.8	79	45	42	7
JPAC292	44	48	4	1458	221	553	67	279	53	12.6	45	5.7	30.1	5.4	15	1.9	11.3	1.2	158	35	28	5
JPAC292	48	52	4	1335	227	552	65	257	45	9.9	33	3.9	17.6	3.2	8.8	1.2	7.8	1.2	104	31	24	6
JPAC292	52	56	4	1104	208	466	53	204	35	8.5	26	2.8	13.3	2.2	6.3	0.8	4.5	0.6	74	30	20	5
JPAC292	56	60	4	1059	179	441	54	210	37	8.2	27	3	13.7	2.5	6.3	0.8	4.8	0.8	72	28	19	4
JPAC292	60	63	3	1140	199	478	57	219	39	8.8	27	3.1	15.4	2.7	6.7	0.9	4.9	0.7	78	28	21	4
JPAC293	16	20	4	324	75	147	14	48	8	1.7	5	0.6	3.3	0.6	1.6	0.2	1.9	0.3	17	51	34	3
JPAC293	20	24	4	1676	320	841	68	250	43	9.5	32	3.4	16.1	2.7	7.3	0.8	4.3	0.5	78	49	37	3
JPAC293	24	28	4	2397	427	1228	104	380	62	13.5	42	4.7	20.8	3.1	8.9	0.9	5.2	0.6	97	49	36	3
JPAC293	28	32	4	1804	349	754	95	371	62	12.7	39	4	17.8	2.6	6.5	0.8	3.9	0.5	86	44	34	3
JPAC293	32	36	4	1701	328	726	86	344	62	12.3	37	3.9	16.9	2.7	6	0.6	3.8	0.5	72	45	33	5
JPAC293	36	40	4	1140	244	447	61	236	39	8.3	25	2.7	12.3	2	4.6	0.6	3.8	0.5	54	44	45	6
JPAC293	40	44	4	2152	346	926	98	406	86	21.4	76	8.3	36	5.2	12.2	1.3	8.3	1	122	44	38	7
JPAC293	44	48	4	1717	291	709	80	310	57	13.5	50	6.1	30.6	4.9	12.8	1.4	8.8	1.2	142	44	24	6
JPAC293	48	52	4	1566	293	655	80	297	51	11.1	36	4.2	19.7	3.5	9	1.2	7.6	1.1	97	38	24	6
JPAC293	52	56	4	1560	284	635	76	300	49	11.1	37	4.4	20.1	3.5	10.5	1.3	8.9	1.3	119	35	22	6
JPAC293	56	60	4	1124	212	472	56	204	35	7.9	25	2.8	14.5	2.5	6.6	0.9	5.2	0.7	80	29	19	5
JPAC294	8	12	4	290	78	110	14	50	8	1.7	5	0.6	3.2	0.5	1.3	0.2	1.3	0.2	16	36	24	2
JPAC294	12	16	4	1068	270	435	55	195	29	6.5	18	2	9.4	1.5	3.7	0.4	2.3	0.3	41	54	34	4
JPAC294	16	20	4	1102	279	443	57	203	30	6.5	19	2	9.4	1.5	3.8	0.4	2.7	0.3	46	53	34	4
JPAC294	20	24	4	1560	392	613	85	297	43	9.5	28	3.1	13.7	2.3	5.8	0.5	3.3	0.4	66	81	43	3
JPAC294	24	28	4	2552	467	1247	123	432	67	14.7	44	5	23	3.7	9.5	0.9	5.7	0.7	110	55	26	4
JPAC294	28	32	4	2594	464	1290	121	433	66	14.6	45	5.1	21.8	3.8	9.3	1	5.7	0.8	114	55	27	5
JPAC294	32	36	4	2709	483	1290	126	454	71	15.3	44	5.1	22.8	4.4	13.3	1.8	11.2	1.5	167	48	32	5
JPAC294	36	40	4	1853	334	822	95	352	55	12.9	39	4.7	20.3	3.3	8.9	1	5.8	0.7	98	45	22	5
JPAC294	40	44	4	1596	311	699	84	295	48	10.2	31	3.6	15.8	3	7.1	0.8	4.7	0.6	83	42	21	5
JPAC294	44	48	4	1893	325	798	91	353	62	14.7	45	5.2	24.2	4.7	13	1.5	9.6	1.3	144	43	22	4
JPAC294	48	52	4	1250	220	540	64	223	37	8.3	25	3	14.3	2.7	7.8	1.1	8.7	1.3	94	33	14	3
JPAC294	52	54	2	1192	203	525	62	223	36	8.7	25	2.9	13.6	2.5	7.5	0.9	5.5	0.8	77	30	17	3
JPAC295	8	12	4	986	204	450	49	166	25	5.5	17	1.9	7.9	1.6	4	0.5	3	0.4	51	38	18	2
JPAC295	12	16	4	2298	418	1109	123	429	56	11.7	34	3.8	16	2.7	6.7	0.8	4.5	0.5	82	51	23	2
JPAC295	16	20	4	2867	441	1364	153	595	81	16.5	51	5.8	24.9	4.1	10.6	1.1	6.1	0.8	113	49	23	3
JPAC295	20	24	4	2041	311	876	112	472	71	13.6	41	4.4	19.6	3.5	8.7	1	5.7	0.6	102	46	20	3

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC295	24	28	4	1735	296	773	92	358	59	13	37	4.1	17.1	2.8	6.5	0.7	4.2	0.5	73	47	21	5
JPAC295	28	32	4	1527	266	635	80	317	53	11.7	35	4.2	18.7	3.3	8.5	0.9	5	0.6	88	45	20	5
JPAC295	32	36	4	1657	263	685	83	323	58	13.5	44	5.2	23.8	4.7	12.5	1.4	8.3	1.2	131	41	19	6
JPAC295	36	40	4	1199	186	448	57	220	43	10.7	35	4.6	22.5	4.1	11.7	1.4	9.7	1.4	142	37	20	7
JPAC295	40	42	2	616	66	163	19	77	20	5.5	26	4.2	23	5.1	14.6	1.9	13.6	1.8	176	30	25	5
JPAC296	8	12	4	603	117	256	31	121	20	4.1	13	1.4	6.1	1.1	2.7	0.3	1.8	0.2	28	36	20	2
JPAC296	12	16	4	1186	212	522	59	222	37	8.6	28	3.1	13.8	2.5	5.7	0.6	2.7	0.3	70	42	29	2
JPAC296	16	20	4	1296	235	597	64	233	41	8.9	25	2.8	13	2.3	5.9	0.6	3.8	0.3	65	43	25	3
JPAC296	20	24	4	860	175	413	40	134	22	4.6	15	1.7	7.5	1.5	3.9	0.5	3.2	0.5	40	38	20	3
JPAC296	24	28	4	1188	203	532	67	246	36	7.4	21	2.2	9.8	1.8	5	0.8	4.9	0.6	51	26	14	6
JPAC296	28	31	3	1263	189	470	58	219	42	9.9	36	5	25.2	5.2	14.8	2	13.1	1.6	171	26	17	10
JPAC297	4	8	4	249	52	109	12	40	6	1.5	4	0.6	3.1	0.7	1.7	0.2	1.5	0.3	16	26	19	2
JPAC297	8	12	4	1593	279	689	85	330	51	11	35	4.1	17.8	3	7.3	0.7	4.4	0.4	75	42	22	3
JPAC297	12	16	4	1833	331	760	95	393	64	14.3	42	4.8	20.6	3.5	7.8	0.8	4.5	0.4	92	48	25	2
JPAC297	16	20	4	2040	333	807	99	427	82	19.9	64	7.1	30.6	5.2	13	1.4	7.1	0.7	143	51	26	3
JPAC297	20	24	4	1771	330	798	88	332	54	11.8	32	3.9	17.6	3.2	8.5	0.9	5.8	0.6	85	51	26	7
JPAC297	24	28	4	1747	277	697	85	328	57	11.8	41	5.4	28.1	5.9	15.4	2.3	11.3	1.3	183	43	26	6
JPAC297	28	32	4	2195	375	936	111	423	66	14.3	43	5	25.1	4.9	13.7	1.8	10.5	1.2	165	46	31	7
JPAC297	32	36	4	1626	293	704	83	316	51	10.2	32	3.8	17.7	3.1	7.6	1	6.4	0.9	96	47	25	6
JPAC297	36	40	4	1914	283	716	87	338	63	14.1	51	6.4	34.8	7.1	21.6	3.5	22.1	3.5	263	36	20	4
JPAC297	40	44	4	1085	192	445	56	210	37	7.5	24	2.7	13.4	2.6	6.5	1	5.2	0.9	83	31	15	2
JPAC297	44	48	4	968	174	409	49	192	32	6.7	21	2.5	10.9	2.1	4.9	0.7	4	0.6	59	29	12	2
JPAC298	8	12	4	528	107	252	23	85	14	2.7	9	1	5	1	2.4	0.3	1.9	0.3	25	36	20	2
JPAC298	12	16	4	1271	260	571	62	229	36	7.3	22	2.6	11.6	2	5.2	0.6	3.1	0.4	58	52	29	2
JPAC298	16	20	4	1572	308	747	72	264	41	8.5	28	3.2	14.7	2.5	6.2	0.7	4.9	0.5	71	43	19	2
JPAC298	20	24	4	1504	300	685	75	254	38	8.1	27	3.2	15.3	2.8	6.9	1	5.1	0.7	82	35	16	2
JPAC298	24	28	4	1673	324	720	88	322	49	10	32	3.8	17.2	3	7.6	1.1	5.6	0.6	91	38	19	4
JPAC298	28	32	4	2011	389	898	104	372	56	9.9	37	4.2	19.9	3.5	8.5	1.2	6.9	0.9	102	45	23	4
JPAC298	32	36	4	1756	392	771	89	314	47	9.1	29	3.2	15.1	2.5	5.9	0.7	4.4	0.5	73	49	34	4
JPAC298	36	40	4	1406	293	602	72	271	41	8.5	26	2.8	12.9	2.3	5.7	0.9	4.6	0.6	63	44	24	4
JPAC298	40	44	4	1547	342	695	79	269	39	7.7	24	2.7	12.2	2.1	5.5	0.7	4.7	0.7	62	50	37	6
JPAC298	44	48	4	1189	230	507	63	230	36	7.6	23	2.6	12.5	2.2	5.6	0.8	5.3	0.8	64	44	14	4
JPAC298	48	52	4	829	168	353	42	150	23	5.6	15	1.8	9	1.6	4	0.7	4.9	0.7	51	36	16	3
JPAC298	52	53	1	655	167	294	31	101	13	3.9	8	1	4.5	0.9	2.3	0.3	2.3	0.4	27	29	20	4
JPAC299	20	24	4	152	36	57	8	28	4	0.8	3	0.3	2.3	0.4	1.2	0.3	1.3	0.3	10	63	34	3
JPAC299	24	28	4	828	238	295	53	170	22	4.5	12	1.4	5.7	0.9	1.7	0.2	1.3	0.2	22	69	41	3
JPAC299	28	32	4	1156	242	467	60	217	38	8.6	27	3.6	17.2	2.8	6.6	0.7	3.4	0.3	64	45	35	3
JPAC299	32	36	4	2291	407	873	115	484	88	19.7	67	8.3	39.5	7	14.7	1.8	8.4	1	157	43	30	4
JPAC299	36	40	4	1311	229	633	63	226	39	7.9	28	3.1	15.7	2.7	5.5	0.7	3.1	0.4	56	37	41	4

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JPAC299	40	44	4	2118	365	951	107	412	74	16.1	49	5.8	26.9	4.2	9.2	1	5.3	0.6	92	40	36	5
JPAC299	44	48	4	2492	399	1066	132	538	93	20	62	7	31.2	5.3	11.3	1.6	9.2	1	117	40	28	6
JPAC299	48	52	4	1950	290	709	91	374	72	15.5	54	6.9	36.2	7.7	21.3	3.2	20.2	2.8	246	37	26	6
JPAC299	52	56	4	1183	201	475	60	232	38	8.4	28	3.2	16.2	3.2	8.6	1.2	7.2	0.9	102	29	20	4
JPAC300	12	16	4	364	91	153	18	58	9	2.1	6	0.7	3.4	0.6	1.7	0.2	1.7	0.3	19	66	31	3
JPAC300	16	20	4	1014	254	386	56	198	29	6.6	18	2.1	9.7	1.5	4	0.4	2.6	0.4	47	71	36	2
JPAC300	20	24	4	1376	315	474	76	288	48	11.4	33	3.8	18.8	2.9	7.5	0.8	4.2	0.5	92	56	29	2
JPAC300	24	28	4	1797	395	652	95	377	63	13.4	41	4.6	21.5	3.6	9	1.2	6.1	0.8	114	47	22	3
JPAC300	28	32	4	1783	443	704	96	331	50	11.5	34	3.8	17	2.6	6.4	0.7	4	0.5	79	50	24	4
JPAC300	32	36	4	2058	403	940	102	388	61	13.3	37	3.9	19.7	2.9	7.2	0.7	3.7	0.6	74	47	21	4
JPAC300	36	40	4	2209	384	963	112	442	73	16.8	49	5.6	26.7	4.1	10.2	1.1	5.7	0.7	117	47	21	5
JPAC300	40	44	4	2124	312	898	106	467	85	18	54	5.8	27.4	4.4	10.8	1.2	6	0.8	129	44	24	5
JPAC300	44	48	4	1625	280	682	80	329	63	13.8	40	4.3	20.7	3.2	7.6	1	5.6	0.7	95	44	24	5
JPAC300	48	52	4	1654	310	668	81	324	60	14.1	43	4.8	23.9	3.8	9.2	1.2	6.4	1.1	104	44	28	5
JPAC300	52	56	4	1654	281	673	80	323	58	12.4	41	4.7	25.2	4.4	11.4	1.4	8.2	1.2	129	38	22	4
JPAC300	56	60	4	1443	256	604	73	281	46	10.1	31	3.5	17.8	3.2	8.5	1.1	6.4	1.1	101	35	22	4
JPAC300	60	64	4	1118	201	457	57	221	37	8.1	23	2.8	14.1	2.4	6.6	0.8	5.5	0.9	83	33	17	3
JPAC300	64	65	1	1089	189	472	56	218	35	7.4	22	2.5	12.7	2.1	5.2	0.7	4.1	0.6	62	31	18	4
JPAC301	4	8	4	158	36	63	7	27	4	0.9	3	0.4	1.9	0.4	1.1	0.1	1	0.2	12	21	17	1
JPAC301	8	12	4	750	148	333	38	141	26	5.2	14	1.5	6.9	1	2.7	0.3	1.9	0.3	32	42	20	3
JPAC301	12	16	4	1429	236	602	75	304	57	12.8	38	4.5	20.1	2.8	6.1	0.7	3.2	0.5	66	46	25	2
JPAC301	16	20	4	1044	185	439	53	206	35	7	22	2.6	12.9	2.3	5.9	0.7	2.9	0.5	70	42	37	3
JPAC301	20	24	4	646	110	278	28	105	20	4.9	16	2	11.3	1.9	6	0.8	5.2	0.8	58	44	26	4
JPAC301	24	28	4	870	131	322	41	166	29	7.7	25	3.3	19.4	3.3	9.3	1.3	8.2	1.3	103	27	16	7
JPAC301	28	32	4	976	167	399	50	195	32	7.6	23	2.8	13.6	2.4	6.2	0.7	4.2	0.6	72	27	17	3
JPAC301	32	34	2	967	168	404	50	197	34	7.2	21	2.5	12.2	2	5.2	0.7	3.5	0.6	59	27	16	2
JPAC302	12	16	4	611	124	283	27	104	17	3.4	11	1.3	6.3	1	2.7	0.3	1.6	0.3	29	47	33	3
JPAC302	16	20	4	1718	299	875	76	281	48	9.8	30	3.4	15.2	2.5	5.6	0.7	3.4	0.4	69	53	38	3
JPAC302	20	24	4	1533	296	710	73	266	44	9.4	27	3.3	14.1	2.4	5.5	0.8	4.2	0.6	77	47	40	2
JPAC302	24	28	4	1810	412	811	90	310	50	10.1	30	3.5	15.3	2.4	5	0.6	3.3	0.4	68	45	33	3
JPAC302	28	32	4	1863	340	819	94	341	57	11.9	36	4.4	20.5	3.9	9	1.2	6.2	0.9	119	42	35	4
JPAC302	32	36	4	2052	332	825	103	416	69	15.6	47	5.5	28.2	5.2	15.1	1.9	9.9	1.3	178	45	35	6
JPAC302	36	40	4	1709	254	677	90	360	64	13.7	43	5.1	24.1	4.5	11.3	1.8	12	1.9	147	33	24	5
JPAC302	40	44	4	1403	208	544	67	268	50	11.8	39	5	24.4	4.8	12.1	1.7	11.4	1.8	152	28	21	5
JPAC302	44	48	4	1320	225	558	66	255	44	9.4	30	3.7	16.5	3	7.4	1.1	5.8	0.8	94	29	23	4
JPAC302	48	52	4	1222	209	510	62	236	42	8.8	29	3.4	16.2	2.8	7.1	1	5.7	0.8	90	29	21	4
JPAC302	52	56	4	1235	213	522	62	236	41	8.8	29	3.5	16.1	2.8	6.8	0.9	5.4	0.8	88	28	21	4
JPAC302	56	57	1	1007	178	409	52	197	35	7.3	24	2.9	13.1	2.4	5.9	0.8	5	0.8	75	26	17	3
JPAC303	12	16	4	150	39	58	7	24	4	0.9	3	0.4	1.9	0.4	1.3	0.1	1.2	0.2	10	67	41	4

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JPAC303	16	20	4	640	162	267	33	116	16	3.4	9	1.1	5.1	0.8	2.1	0.2	1.6	0.2	23	68	37	3
JPAC303	20	24	4	1612	395	651	89	317	44	9	25	2.7	11.8	2	4.9	0.6	2.8	0.4	57	76	49	2
JPAC303	24	28	4	2124	425	905	114	432	65	13.5	39	4.3	19.9	3.2	7.9	0.9	4.2	0.5	91	62	43	2
JPAC303	28	32	4	2015	402	828	110	419	67	14.1	39	4.3	20.9	3.3	7.6	0.8	4.3	0.5	95	50	37	3
JPAC303	32	36	4	2126	386	864	106	419	72	17.3	52	6.5	32.5	5	12.9	1.3	7.9	0.9	143	44	40	3
JPAC303	36	40	4	1518	294	674	76	280	46	9.7	28	3.3	15.6	2.5	6.4	0.8	4.1	0.5	78	42	35	3
JPAC303	40	44	4	1907	344	846	99	380	63	13.1	38	4.1	20.4	3	8	1	5.1	0.7	82	41	36	5
JPAC303	44	48	4	1835	313	785	93	364	62	13.6	40	4.5	22.7	3.5	10.1	1.3	8.9	1.4	112	36	33	5
JPAC303	48	52	4	1503	262	626	73	278	47	10.1	33	3.9	19.7	3.7	10.4	1.3	8.8	1.4	126	33	27	5
JPAC304	4	8	4	291	69	123	13	46	6	1.5	5	0.6	3.4	0.6	1.8	0.2	1.5	0.2	20	24	22	1
JPAC304	8	12	4	976	280	366	51	176	27	5.3	15	1.7	8	1.2	3.1	0.4	2.1	0.3	40	56	33	2
JPAC304	12	16	4	1547	280	706	75	297	52	10.6	29	3.1	14.2	2.2	5.6	0.6	3.4	0.4	68	51	23	2
JPAC304	16	20	4	2873	459	1548	113	435	81	17.2	45	4.8	22.5	3.6	9.5	1.1	6.5	0.8	127	48	27	2
JPAC304	20	24	4	2313	364	1235	90	336	59	13.3	37	4.1	19.9	3.6	10.1	1.3	8.5	1.1	133	43	29	2
JPAC304	24	28	4	1818	379	834	89	322	55	12.2	32	3.5	16.2	2.4	5.8	0.7	3.7	0.5	63	47	24	3
JPAC304	28	32	4	697	133	292	32	125	24	5.7	17	2	10.4	1.6	4.3	0.5	2.9	0.4	46	44	11	2
JPAC304	32	36	4	224	46	67	10	46	10	3.1	9	1.1	6	0.9	2.3	0.3	2.4	0.3	20	44	5	2
JPAC304	36	40	4	205	41	60	10	41	8	2.2	7	1	5.1	0.9	2.5	0.4	2.4	0.4	24	44	5	2
JPAC304	40	44	4	498	61	137	25	123	25	6.2	21	2.5	13	2.5	6.2	0.9	6.1	0.9	69	43	5	2
JPAC304	44	48	4	1070	25	94	10	66	29	10.8	55	9.6	61.1	14.9	44.5	7.1	44.5	7.5	591	35	3	2
JPAC304	48	52	4	159	16	36	5	21	5	1.9	7	1.2	7	1.5	4.3	0.7	4.1	0.7	49	33	3	2
JPAC304	52	54	2	179	18	43	5	23	6	2	7	1.3	7.6	1.7	4.6	0.7	4.3	0.7	54	31	3	1
JPAC305	8	12	4	96	29	28	4	14	2	0.5	2	0.3	1.9	0.5	1.2	0.2	1.7	0.2	12	47	14	2
JPAC305	12	16	4	52	9	16	1	5	1	0.4	1	0.3	2.1	0.5	1.5	0.3	2.3	0.4	11	50	13	2
JPAC305	16	20	4	56	10	21	1	5	1	0.3	1	0.3	1.8	0.4	1.5	0.3	2	0.4	11	45	13	2
JPAC305	20	24	4	46	7	14	1	3	1	0.3	1	0.3	2	0.5	1.7	0.3	2.4	0.4	13	44	13	2
JPAC305	24	28	4	93	17	31	3	10	2	0.7	3	0.4	2.9	0.7	2.4	0.4	3.2	0.5	17	44	13	2
JPAC305	28	32	4	221	45	84	9	33	7	1.9	6	0.8	4.9	0.9	2.8	0.4	3.5	0.5	23	38	11	4
JPAC306	4	8	4	162	39	65	8	26	4	0.9	3	0.4	1.8	0.4	1	0.1	1	0.1	11	22	16	1
JPAC306	8	12	4	1145	296	448	62	220	33	7.5	21	2.3	10.9	1.5	3.2	0.3	2	0.3	37	42	18	3
JPAC306	12	16	4	2353	488	963	130	513	78	17.4	48	5	22.6	3.2	6.6	0.6	3.2	0.4	75	39	13	2
JPAC306	16	20	4	2363	395	1144	117	479	69	14.9	41	4.2	18.7	2.7	5.7	0.7	3.9	0.6	67	36	17	2
JPAC306	20	24	4	1388	266	655	66	244	40	9.1	24	2.9	14	2	5.5	0.7	4.4	0.7	54	37	18	3
JPAC306	24	27	3	1715	293	701	86	337	59	14.9	42	5	24.8	4.3	10.7	1.5	8.8	1.2	126	32	14	4
JPAC307	4	8	4	195	44	92	8	26	3	0.8	3	0.4	2.1	0.5	1.3	0.2	1.1	0.2	12	24	18	1
JPAC307	8	12	4	522	200	206	21	58	7	2.2	6	0.6	3.3	0.5	1.4	0.2	0.9	0.2	15	35	18	2
JPAC307	12	16	4	466	166	198	20	52	6	1.8	4	0.6	2.6	0.5	1.2	0.1	0.9	0.1	12	33	22	1
JPAC307	16	20	4	1786	421	846	79	266	33	9	22	2.7	15.1	2.6	7.9	0.9	6	0.8	75	31	26	2
JPAC307	20	24	4	960	205	421	44	161	24	5.5	15	1.8	8.8	1.7	5.5	0.6	3.9	0.7	62	29	17	2

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC308	4	8	4	255	64	107	12	39	6	1.1	4	0.5	2.7	0.5	1.5	0.2	1.4	0.2	16	25	21	1
JPAC308	8	12	4	1106	263	473	55	191	28	6.6	18	2	10	1.6	4.4	0.5	2.6	0.4	50	44	18	3
JPAC308	12	16	4	1371	296	583	71	260	39	7.4	25	3.1	14.7	2.3	5.4	0.6	3.5	0.4	60	48	16	2
JPAC308	16	20	4	1257	306	502	55	191	33	7.3	26	3.4	18.2	3.2	7.6	0.9	5.2	0.8	98	49	35	2
JPAC308	20	24	4	729	230	292	33	99	14	3.4	10	1.2	6.5	1.1	3.1	0.3	2.1	0.3	33	42	43	2
JPAC308	24	28	4	1498	403	615	73	247	35	7.8	21	2.6	13.7	2.2	6	0.7	4.6	0.5	66	46	38	2
JPAC308	28	32	4	2126	365	1012	100	390	61	13.1	38	4.5	22.8	3.6	9.3	1.1	7	0.9	98	41	15	4
JPAC308	32	36	4	2381	291	736	79	330	77	19.9	81	12.4	79.3	15.8	50.7	7.1	48.9	7.5	547	36	21	6
JPAC308	36	40	4	931	171	377	42	161	26	5.5	20	2.6	13.8	2.4	7.4	1.1	6.8	1.1	94	25	11	2
JPAC308	40	42	2	1001	227	437	45	170	26	5.3	17	1.9	9.6	1.7	4.8	0.5	3.5	0.5	52	26	21	2
JPAC309	4	8	4	253	51	117	12	37	6	1.2	4	0.6	3.4	0.6	1.7	0.2	1.5	0.3	18	23	20	2
JPAC309	8	12	4	590	176	209	30	104	16	3.4	11	1.2	6	0.9	2.6	0.4	1.9	0.3	29	42	28	3
JPAC309	12	16	4	1510	318	645	78	290	48	10.2	30	3.3	15.5	2.3	5.3	0.5	2.9	0.4	61	50	36	2
JPAC309	16	20	4	1775	344	725	92	358	63	13.4	40	4.5	22.2	3.4	7.8	0.8	4.4	0.5	98	46	38	2
JPAC309	20	24	4	2499	475	1083	138	516	78	15.2	46	5.2	25.9	3.6	7.9	0.9	4.6	0.5	99	48	43	3
JPAC309	24	28	4	2306	391	964	121	485	78	16.2	49	5.7	29.5	4.5	12.1	1.3	8.5	1.2	138	51	39	5
JPAC309	28	32	4	2328	362	1005	121	519	86	16.5	46	5.3	24.4	4	10	1.1	6.6	1	120	44	40	7
JPAC309	32	36	4	2264	381	975	125	505	77	15.1	40	4.4	22.2	3.4	9.6	1.1	6.6	1.1	98	49	50	9
JPAC309	36	40	4	2364	373	865	109	470	98	21.8	70	8.6	46	7.8	20.9	2.7	18.2	2.6	251	38	47	6
JPAC309	40	41	1	1521	374	676	63	206	28	6	22	2.8	14.7	2.8	8.7	1.3	9.2	1.5	107	24	51	2
JPAC310	4	8	4	262	60	108	13	42	6	1.4	5	0.6	3.3	0.7	1.7	0.2	1.5	0.3	19	24	21	1
JPAC310	8	12	4	850	180	370	43	154	24	5.3	16	1.9	9.2	1.4	3.5	0.5	2.3	0.3	40	39	21	2
JPAC310	12	16	4	1498	311	698	74	259	37	8.3	24	2.8	13.8	2	4.7	0.5	2.9	0.4	62	50	26	2
JPAC310	16	20	4	1551	337	719	79	264	39	8.2	23	2.7	12.5	1.9	4.8	0.5	3	0.4	58	50	30	3
JPAC310	20	24	4	892	178	434	46	157	21	4.2	12	1.5	6.8	1	2.4	0.3	1.8	0.2	26	34	37	3
JPAC310	24	28	4	2796	338	1077	141	717	137	31	101	10.6	48.9	7	14.8	1.5	8.2	1	163	40	23	4
JPAC310	28	32	4	1115	182	486	55	220	35	7.7	22	2.5	12.1	2.1	6.4	0.9	6.7	0.9	76	31	20	4
JPAC310	32	33	1	927	141	327	42	198	34	7.3	21	2.6	14.1	2.6	9	1.5	9.9	1.5	116	24	15	4
JPAC311	8	12	4	683	201	362	27	69	7	1.3	3	0.4	1.9	0.3	0.8	0.1	0.6	0.2	8	24	19	1
JPAC311	12	13	1	512	121	258	24	77	11	2.2	5	0.5	2.4	0.4	0.7	0.1	0.9	0.1	9	22	28	1
JPAC312	8	12	4	194	60	83	8	24	3	0.8	2	0.3	1.7	0.3	1	0.1	0.8	0.1	9	34	20	2
JPAC312	12	16	4	634	226	265	28	79	9	2.1	5	0.5	2.9	0.5	1.3	0.2	1.1	0.2	13	49	37	2
JPAC312	16	20	4	1573	426	676	83	266	36	8.4	18	2.1	10.7	1.6	3.8	0.4	2.2	0.3	39	46	26	2
JPAC312	20	24	4	2476	493	1241	112	393	57	12	37	4.2	22.2	3.3	8.4	0.9	4.4	0.5	89	48	23	2
JPAC312	24	28	4	2348	416	1220	113	413	56	11.3	30	3.3	15.7	2.3	5.5	0.6	3.3	0.5	58	45	17	3
JPAC312	28	32	4	2583	457	1200	137	539	80	17	44	4.9	21.9	3	6.8	0.7	3.8	0.5	68	45	17	3
JPAC312	32	36	4	1851	344	784	94	365	66	15.4	46	5.2	25.1	3.6	8.5	1	6	0.9	87	43	18	4
JPAC312	36	40	4	1506	223	538	69	290	56	13.8	44	5.7	33.6	6	17.8	2.2	14.9	2	190	32	13	6
JPAC312	40	44	4	1170	205	435	52	191	33	8.4	30	3.7	21.3	4.2	11.8	1.6	9.2	1.4	164	29	11	2

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JPAC312	44	45	1	844	154	355	43	163	26	5.8	18	2	10.6	1.7	5.6	0.7	4.2	0.6	55	28	8	1
JPAC313	4	8	4	240	42	121	9	31	5	1.1	4	0.6	3.6	0.6	1.8	0.3	1.7	0.3	19	23	19	2
JPAC313	8	12	4	1003	235	387	56	199	33	6.6	20	2.2	11	1.5	4	0.5	2.5	0.3	46	51	29	3
JPAC313	12	16	4	1771	368	679	99	365	60	12.9	38	4.2	20.5	3.3	8	1	5.7	0.8	105	57	38	3
JPAC313	16	20	4	2056	416	849	112	419	65	14.9	43	4.7	23.2	3.4	8.4	0.9	5.4	0.6	92	50	36	3
JPAC313	20	24	4	2014	462	868	113	383	56	10.8	31	3.3	16	2.4	5	0.6	3.5	0.4	60	54	37	3
JPAC313	24	28	4	1441	277	602	77	285	47	10.3	28	3.4	16.7	2.7	7.2	0.8	4.6	0.6	78	46	25	3
JPAC313	28	32	4	1511	271	652	75	290	50	11.1	32	3.6	19.2	3.1	7.9	1	6	0.7	89	43	28	4
JPAC313	32	36	4	1221	196	470	57	238	42	10.3	34	4	21.6	3.6	11	1.3	8.6	1.4	123	35	23	5
JPAC313	36	39	3	1001	172	412	51	198	33	7.6	23	2.7	14.7	2.2	6.6	0.8	4.9	0.7	74	28	20	3
JPAC314	4	8	4	211	47	90	9	31	5	1	4	0.5	3.1	0.6	1.7	0.2	1.8	0.3	16	24	21	2
JPAC314	8	12	4	1602	321	641	79	311	54	12.7	41	4.6	21.6	3.5	8.7	1	5.7	0.6	96	40	26	4
JPAC314	12	16	4	1999	331	975	89	341	54	12	38	4.4	23.3	3.8	9.7	1.1	6.4	0.6	111	40	34	3
JPAC314	16	20	4	2121	427	923	105	366	59	14	45	5.5	29.7	4.7	11.4	1.2	6.5	0.6	124	43	32	3
JPAC314	20	24	4	2103	401	889	111	420	69	16	45	5.1	25.2	3.8	9.4	0.9	5.2	0.6	101	48	35	3
JPAC314	24	28	4	1256	222	498	65	255	44	9.6	31	3.5	18.7	3.1	8.1	0.9	6	0.7	92	40	36	3
JPAC314	28	32	4	1636	243	609	86	378	69	15.5	44	5.2	25.5	4.4	12.7	1.8	10.9	1.8	131	32	25	6
JPAC314	32	36	4	1204	201	462	57	222	45	9.9	34	3.9	19.9	3.5	9.2	1.4	7.7	1.1	129	27	19	3
JPAC314	36	40	4	1187	218	494	60	226	40	8.7	27	3	15.6	2.6	7	0.8	4.7	0.6	80	28	19	3
JPAC314	40	44	4	1412	252	581	71	268	48	10.7	33	4	20.4	3.4	9	1.1	6.2	0.8	103	32	22	4
JPAC314	44	48	4	1156	202	470	56	220	40	9.4	29	3.5	17.8	2.9	7.9	1	5.4	0.8	91	31	25	4
JPAC314	48	50	2	1052	181	424	52	206	35	8.4	27	3.4	16.5	2.5	7	0.8	5.2	0.7	83	27	20	4
JPAC315	4	8	4	209	39	100	8	26	5	1.1	4	0.6	3.4	0.5	1.9	0.3	1.9	0.3	18	28	22	2
JPAC315	8	12	4	916	180	398	48	185	28	6.3	16	1.8	9.3	1.4	3.6	0.4	2.5	0.4	36	40	22	2
JPAC315	12	16	4	717	143	359	33	114	17	3.9	10	1.2	5.6	0.9	2.6	0.4	2	0.3	25	38	19	2
JPAC315	16	20	4	1360	264	641	71	262	41	9.1	22	2.2	9	1.2	3.2	0.4	2.8	0.5	31	31	19	4
JPAC315	20	24	4	1191	172	412	54	230	46	11.8	40	5.3	27.7	4.8	14	1.8	10.3	1.5	161	26	14	4
JPAC315	24	26	2	1007	179	415	51	196	35	8.3	24	2.9	14.4	2.2	6	0.7	4.2	0.5	69	26	15	2
JPAC316	4	8	4	1157	246	504	62	211	32	6.8	20	2.5	11.2	1.8	5	0.6	3.1	0.4	53	47	23	2
JPAC316	8	12	4	232	46	113	9	32	5	1.2	4	0.6	3.1	0.5	1.8	0.2	1.4	0.2	15	27	19	2
JPAC316	12	16	4	1926	298	841	118	517	67	12.3	27	2.6	10	1.2	3.1	0.3	2	0.4	27	36	19	2
JPAC316	16	20	4	1316	184	461	64	303	64	14.8	43	4.7	24.6	4.2	11.4	1.5	9.2	1.3	126	28	14	5
JPAC316	20	24	4	991	164	402	47	185	31	7.5	25	3.2	16.9	2.9	7.8	1	5.5	0.8	92	28	13	2
JPAC316	24	28	4	919	154	378	46	180	31	7.4	22	2.5	13.9	2.3	5.4	0.6	4.3	0.6	71	27	11	2
JPAC316	28	32	4	1101	194	441	53	207	38	8.9	29	3.5	17.8	2.9	7.9	0.9	5.6	0.8	93	27	14	2
JPAC316	32	33	1	1092	192	439	54	218	39	9.1	28	3.2	16.5	2.5	7.1	0.8	5	0.6	78	26	12	2
JPAC317	4	8	4	288	63	131	13	41	6	1.6	5	0.6	3.9	0.7	1.9	0.3	1.7	0.3	18	25	19	1
JPAC317	8	12	4	571	135	285	24	81	10	2.7	6	0.8	3.8	0.6	1.5	0.2	1.2	0.2	18	28	18	1
JPAC317	12	16	4	311	85	144	13	44	6	1.6	4	0.5	2.1	0.4	1	0.1	0.7	0.1	10	27	22	1

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JPAC317	16	20	4	286	82	138	12	32	4	1.1	3	0.4	2.1	0.4	1.1	0.1	0.8	0.1	10	30	27	1
JPAC317	20	24	4	549	134	275	23	77	10	2.6	6	0.8	3.7	0.6	1.7	0.2	1.2	0.1	14	30	24	1
JPAC318	4	8	4	219	55	83	11	36	5	1.2	4	0.5	2.9	0.5	1.7	0.2	1.5	0.3	16	24	19	1
JPAC318	8	12	4	435	135	188	19	60	7	1.5	4	0.5	3	0.5	1.3	0.2	1.2	0.2	14	29	18	2
JPAC318	12	14	2	482	150	226	20	60	7	1.3	3	0.4	1.9	0.4	1	0.2	1	0.1	10	24	12	1
JPAC319	8	12	4	97	27	38	5	15	2	0.5	1	0.2	1	0.2	0.6	0.1	0.5	0.1	6	27	28	1
JPAC319	12	16	4	486	128	247	23	66	8	1.2	3	0.3	1.4	0.3	0.8	0.1	0.9	0.2	7	27	13	2
JPAC319	16	20	4	501	109	237	24	80	12	2	6	0.8	3.8	0.7	2	0.3	1.6	0.3	22	27	11	2
JPAC319	20	24	4	783	144	326	38	142	25	5.5	17	2.1	11.3	2.1	4.6	0.6	3.5	0.5	62	26	11	2
JPAC320	8	12	4	157	45	50	9	30	5	0.9	3	0.4	1.9	0.4	1	0.1	0.8	0.1	10	27	16	2
JPAC320	12	16	4	418	154	95	29	90	12	3	8	0.8	3.7	0.6	1.5	0.2	1.2	0.2	19	47	20	2
JPAC320	16	20	4	544	171	158	37	118	17	3.8	9	1	4.8	0.8	1.9	0.2	1.2	0.2	20	45	23	3
JPAC320	20	24	4	3103	619	1205	181	680	119	24.8	72	8.8	39.1	5.7	12.7	1.3	6.3	0.7	128	45	35	4
JPAC320	24	28	4	2120	430	972	112	392	63	12.3	35	4.2	18.5	2.9	6	0.7	3.3	0.4	68	47	34	4
JPAC320	28	32	4	2584	384	1253	123	509	88	18.3	50	6.3	28	4.3	10.1	1.1	5.4	0.6	105	46	31	6
JPAC320	32	36	4	1720	286	754	81	315	59	13	39	4.8	22.8	4	10.6	1.5	8.4	1.4	119	34	25	7
JPAC320	36	40	4	886	162	340	40	154	29	5.6	20	2.5	13.4	2.6	7.2	1	5.9	1	102	35	31	5
JPAC320	40	44	4	997	190	423	50	192	33	6.6	21	2.4	10.9	2	4.8	0.6	3.4	0.5	58	28	15	4
JPAC320	44	48	4	812	165	339	40	154	24	5.7	17	1.9	8.9	1.5	3.9	0.4	2.8	0.3	47	26	12	2
JPAC320	48	50	2	862	169	359	44	167	28	6.4	19	2.2	9.7	1.6	4	0.4	3	0.4	50	23	14	2
JPAC321	8	12	4	795	247	313	40	124	16	3.8	10	1.2	5.7	1	2.4	0.3	1.6	0.3	28	48	39	2
JPAC321	12	16	4	1108	292	494	54	174	22	4.6	13	1.4	7.5	1.2	3.4	0.4	2	0.3	39	50	40	2
JPAC321	16	20	4	859	266	338	47	144	17	3.5	9	1.1	4.5	0.8	1.9	0.2	1.3	0.2	26	38	34	1
JPAC321	20	24	4	746	252	284	43	124	13	2.7	7	0.7	3	0.5	1.1	0.1	0.9	0.1	15	36	36	1
JPAC321	24	28	4	654	219	296	31	78	8	1.6	5	0.6	2.7	0.4	0.8	0.1	0.8	0.1	11	37	39	2
JPAC321	28	32	4	610	209	275	29	69	7	1.8	4	0.4	2.2	0.3	1	0.1	0.7	0.1	11	37	35	2
JPAC321	32	36	4	884	278	399	44	120	14	2.6	6	0.7	3.1	0.5	1.2	0.1	1.2	0.1	13	34	37	2
JPAC321	36	40	4	1750	442	834	89	278	34	6.2	18	2	8.5	1.3	2.9	0.4	2.3	0.4	32	36	40	3
JPAC321	40	44	4	1969	463	991	94	293	38	7.4	20	2.4	10.6	1.5	3.7	0.5	2.9	0.4	40	34	33	2
JPAC321	44	48	4	2360	544	1141	110	367	51	11.4	30	3.2	16	2.5	6.1	0.7	4.7	0.6	71	39	46	4
JPAC321	48	52	4	2074	508	984	89	289	40	9.8	27	3.2	16.3	2.9	7.7	1.1	7	1	87	40	48	4
JPAC321	52	56	4	1515	301	639	73	262	42	10.3	33	4.2	20	3.6	10	1.5	10.5	1.7	103	42	23	5
JPAC321	56	58	2	1310	235	527	63	238	40	9.6	33	3.9	20.5	3.7	10.9	1.3	9	1.4	115	39	19	5
JPAC322	12	16	4	437	121	153	25	82	12	3.1	8	1	4.7	0.8	2.1	0.3	1.7	0.2	23	50	19	2
JPAC322	16	20	4	854	226	274	53	180	29	6.2	18	2.4	10.6	1.7	4.3	0.5	2.6	0.3	47	48	29	2
JPAC322	20	24	4	721	183	270	42	134	21	4.6	13	1.6	8	1.2	2.6	0.3	2.3	0.3	37	43	40	3
JPAC322	24	28	4	662	152	300	35	109	15	3.7	9	1.1	5	0.8	2.4	0.3	2.1	0.2	29	46	23	3
JPAC322	28	32	4	650	111	310	34	120	19	4.7	10	1.3	6.6	1	2.8	0.3	2.4	0.4	27	37	28	3
JPAC322	32	36	4	727	121	348	39	134	22	5.4	13	1.6	7	1.1	3	0.4	2.9	0.4	30	37	29	4

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JPAC322	36	40	4	1092	176	447	51	199	36	9.2	29	3.6	16	2.9	8	1.1	7	1	105	32	29	5
JPAC322	40	44	4	1129	184	434	56	225	40	9.1	30	3.6	17.9	3	8.9	1.1	7.1	1	109	30	29	6
JPAC322	44	47	3	1176	206	486	61	232	38	8.8	28	3.3	15.3	2.6	7.1	0.8	4.3	0.7	83	29	26	6
JPAC323	8	12	4	337	106	120	17	56	8	2	6	0.7	3.2	0.4	1.3	0.1	1	0.2	16	31	20	2
JPAC323	12	16	4	1023	256	333	62	220	32	7.6	23	2.8	12.6	2.2	5	0.7	3.5	0.5	63	47	30	3
JPAC323	16	20	4	1085	264	389	64	217	32	7.4	23	2.8	13.7	2.3	5.1	0.6	3.4	0.4	61	52	43	3
JPAC323	20	24	4	1446	360	577	78	257	37	8.5	26	3.3	15.8	2.6	5.9	0.7	4.4	0.5	70	48	45	5
JPAC323	24	28	4	2853	516	984	181	750	118	25	72	8.5	37.6	5.8	13	1.6	8.6	1	131	47	42	6
JPAC323	28	32	4	2847	360	1456	124	512	81	18.5	57	6.6	30.3	5.6	14.3	2.2	13.2	1.7	165	38	34	5
JPAC323	32	36	4	2476	342	1023	134	575	94	21.4	65	7.4	31.7	5.5	12.9	1.9	13.2	1.9	149	36	32	7
JPAC323	36	38	2	1484	226	613	70	286	46	11.1	36	4.3	22.2	4.3	10.9	1.7	10.9	1.5	141	27	22	4
JPAC324	8	12	4	650	167	271	32	109	16	3.2	10	1.3	5.8	1	2.5	0.4	2.1	0.3	29	39	25	2
JPAC324	12	16	4	1622	331	753	81	287	41	8.7	25	3	12.9	2.2	5.1	0.6	4.3	0.5	68	47	27	2
JPAC324	16	20	4	1691	342	776	88	311	45	9	26	3.1	13.3	2.3	4.9	0.6	3.4	0.3	65	48	32	2
JPAC324	20	24	4	1999	369	977	96	350	49	10.5	32	3.8	18.4	3	6.3	0.9	5	0.6	79	43	36	3
JPAC324	24	28	4	1994	369	938	108	390	54	11	32	3.6	15.8	2.5	5.3	0.7	3.7	0.5	60	43	35	3
JPAC324	28	32	4	2381	352	1066	116	455	70	16.1	52	6.7	31.9	6.2	14.9	2	11.3	1.3	180	44	29	3
JPAC324	32	36	4	1644	263	705	87	331	48	10.4	31	3.9	19.7	3.7	9.6	1.3	8.3	1.2	122	41	24	4
JPAC324	36	40	4	1290	219	525	66	260	39	8	25	3.2	15.6	2.9	8.5	1.3	9.5	1.6	107	38	22	4
JPAC324	40	44	4	1174	196	485	59	222	35	7.3	25	3.2	15.7	3.1	8	1.3	8.3	1.3	104	31	25	3
JPAC324	44	45	1	809	139	346	43	166	24	5.4	16	1.8	9.4	1.6	4	0.6	3.6	0.6	48	28	15	2
JPAC325	16	20	4	488	117	267	20	59	6	1.3	3	0.5	2.6	0.4	0.9	0.1	0.8	0.1	10	31	40	1
JPAC325	20	24	4	494	123	262	22	62	7	1.1	3	0.5	2.2	0.4	0.9	0.1	0.9	0.1	10	31	46	1
JPAC325	24	28	4	586	140	296	28	84	9	1.8	5	0.6	3.2	0.6	1.6	0.2	1.3	0.2	15	31	43	1
JPAC325	28	32	4	601	131	307	27	88	11	2	6	0.7	4	0.7	1.9	0.3	1.9	0.2	21	29	43	1
JPAC325	32	36	4	596	125	302	26	88	11	2.4	7	0.8	4.2	0.8	2.2	0.3	2.1	0.3	24	28	39	1
JPAC325	36	40	4	575	116	294	24	80	11	2.2	7	1	4.9	1	2.5	0.3	2.6	0.4	30	25	38	2
JPAC325	40	44	4	447	85	219	20	65	10	1.9	6	0.7	3.8	0.8	2.4	0.4	2.5	0.4	31	27	40	2
JPAC325	44	48	4	393	73	178	19	64	10	2	6	0.8	4.2	0.8	2.1	0.3	2.5	0.4	29	32	47	3
JPAC325	48	52	4	567	116	267	25	84	12	3.8	9	1.1	5.2	1	2.8	0.4	3.2	0.5	37	33	31	4
JPAC325	52	56	4	250	52	99	11	43	7	2.8	5	0.6	3.2	0.7	1.9	0.3	2	0.3	23	32	11	3
JPAC325	56	60	4	510	96	213	26	97	15	3.8	11	1.3	6.1	1.1	2.7	0.4	2.2	0.3	34	26	11	4
JPAC325	60	64	4	966	168	407	51	194	30	6.6	20	2.5	12.1	2.1	5.1	0.7	4.3	0.6	63	29	15	5
JPAC325	64	65	1	697	121	297	37	136	21	5.1	15	1.8	8.6	1.5	3.8	0.6	3.1	0.4	44	29	12	4
JPAC326	36	40	4	211	72	72	10	33	5	1.6	4	0.4	1.9	0.4	0.8	0.1	0.8	0.1	10	45	25	2
JPAC326	40	44	4	1133	378	286	78	265	33	8.3	22	2.6	11.3	1.8	3.7	0.5	2.8	0.3	42	44	25	4
JPAC326	44	48	4	909	230	263	55	202	31	7.1	21	2.5	12.9	2.4	5.7	0.8	4.5	0.5	72	50	23	5
JPAC326	48	52	4	1680	432	451	113	409	64	13.5	38	4.5	21.6	3.6	8.7	1.2	7.6	0.9	112	45	22	4
JPAC326	52	56	4	1964	291	849	98	400	64	14.8	46	5.5	26.7	4.7	11.1	1.5	9.4	1.1	142	40	21	5

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JPAC326	56	60	4	2054	247	1058	81	338	58	13.7	44	5.3	26.7	4.8	12.7	1.8	11.6	1.7	149	39	19	5
JPAC326	60	64	4	1168	199	480	58	225	38	8.9	26	3.1	16.2	2.9	7.3	1.1	6.7	0.9	95	33	17	3
JPAC326	64	65	1	1074	191	451	55	212	35	7.8	24	2.8	13.4	2.3	5.4	0.7	4.6	0.6	70	29	17	3
JPAC327	8	12	4	624	134	254	33	118	18	3.9	12	1.5	7.4	1.2	2.9	0.4	2.5	0.4	35	38	25	3
JPAC327	12	16	4	980	199	418	54	199	32	6.3	18	2.1	9.7	1.4	3	0.4	2.2	0.3	35	46	35	3
JPAC327	16	20	4	1857	373	773	104	386	61	13.5	40	4.7	20.4	3.1	6.3	0.7	3.9	0.5	68	47	42	3
JPAC327	20	24	4	1579	315	690	91	336	46	9.9	25	3	13.1	1.8	3.5	0.5	2.8	0.3	40	43	39	3
JPAC327	24	28	4	1513	229	619	70	301	60	14.4	49	5.2	25.5	4.3	10	1.2	6.8	0.8	118	39	34	5
JPAC327	28	32	4	1207	203	495	58	225	40	10.3	33	3.6	17.3	3.1	7.8	1	7	1	102	38	26	4
JPAC327	32	36	4	1116	202	490	56	206	33	7.7	25	3	14.2	2.3	5.6	0.8	5.1	0.7	65	34	26	4
JPAC327	36	40	4	1164	221	486	57	217	36	8	26	3.1	15.4	2.6	6.7	1	6.2	0.9	77	36	28	5
JPAC327	40	44	4	1444	253	554	68	268	47	10.5	36	4.5	23.9	4.6	11.5	1.6	10.6	1.5	150	33	27	6
JPAC327	44	48	4	1454	220	517	68	293	54	12.6	45	5.9	31.8	5.8	15	2.2	14.9	2	167	33	22	9
JPAC328	8	12	4	297	87	98	17	57	8	1.6	5	0.6	2.8	0.6	1.5	0.2	1.4	0.2	17	29	19	2
JPAC328	12	16	4	949	223	415	47	155	22	5	15	1.9	9.1	1.6	3.6	0.5	2.8	0.4	49	41	29	3
JPAC328	16	20	4	2396	450	1228	111	372	52	11.1	35	4	19.8	3.2	7.4	0.9	4.9	0.6	97	47	37	3
JPAC328	20	24	4	2351	461	1134	121	405	58	11.5	33	3.8	18	2.9	7	1	5.1	0.6	90	51	45	4
JPAC328	24	28	4	2186	394	1045	116	416	59	13.3	35	4.2	18.8	2.9	6.3	0.8	5.1	0.5	69	47	50	5
JPAC328	28	32	4	2317	376	961	124	496	76	16.5	50	6.1	30.2	5.2	12.5	1.5	8.9	1	152	50	43	5
JPAC328	32	36	4	2023	297	789	108	489	81	18	48	5.5	26.2	4.3	11.1	1.5	8.7	1.2	135	47	25	4
JPAC328	36	39	3	1244	187	469	61	247	43	10.2	34	4.3	22.3	4	10.7	1.7	11.3	1.7	137	30	15	4
JPAC329	8	12	4	309	102	90	19	61	7	1.6	5	0.5	2.9	0.5	1.5	0.2	1.4	0.2	17	42	27	3
JPAC329	12	16	4	1276	416	466	77	224	25	5.3	14	1.6	8.1	1.2	3	0.3	2.2	0.3	33	61	41	4
JPAC329	16	20	4	1890	453	880	98	311	40	8.4	24	2.7	13	2	4.4	0.6	3.4	0.4	51	57	48	4
JPAC329	20	24	4	1110	274	450	60	204	28	6.2	18	2.1	10	1.8	4	0.5	2.9	0.4	49	49	37	2
JPAC329	24	28	4	1413	341	558	81	274	41	9.2	23	2.8	13.1	1.9	4.8	0.5	3.1	0.4	59	45	29	2
JPAC329	28	32	4	1511	326	625	83	289	44	10.1	28	3.2	15.4	2.4	5.8	0.6	3.1	0.4	74	50	31	2
JPAC329	32	36	4	1703	353	582	104	399	65	14.8	41	5	22	3.4	8.6	1	5.6	0.6	99	52	31	3
JPAC329	36	40	4	1601	327	587	94	358	58	13.5	36	4.3	19.6	3.1	7.2	0.8	5.6	0.6	86	53	27	3
JPAC329	40	44	4	1910	338	805	97	378	64	14.5	38	5.1	23.8	4.1	10.2	1.2	7.2	0.8	123	53	24	4
JPAC329	44	48	4	2207	339	936	111	443	75	16.4	47	5.8	26.7	5.1	12.9	1.7	11.2	1.5	175	46	25	5
JPAC329	48	52	4	1191	215	477	59	238	42	10.6	28	3.4	15.6	2.6	6.7	0.9	6.3	0.8	86	34	16	3
JPAC329	52	53	1	953	189	402	47	180	30	6.3	19	2.3	10.3	1.7	4.6	0.6	3.5	0.5	57	30	15	2
JPAC330	16	20	4	223	60	79	11	38	5	1.4	4	0.6	3.1	0.6	1.4	0.2	1.5	0.2	17	42	24	2
JPAC330	20	24	4	641	190	243	33	113	15	3.5	9	1.1	5	0.9	2	0.2	1.8	0.3	24	48	29	2
JPAC330	24	28	4	1144	304	467	59	199	31	6.4	17	2.1	8.9	1.4	3.1	0.3	2	0.3	43	54	31	3
JPAC330	28	32	4	1455	339	601	76	276	45	9.9	26	3.1	13.2	1.9	4.3	0.4	2.3	0.3	57	46	26	3
JPAC330	32	36	4	1478	292	599	74	283	50	12.2	34	4	19.4	3.1	7.6	0.8	5.3	0.5	93	42	25	4
JPAC330	36	40	4	2021	408	867	93	341	58	14.7	43	5.4	24.6	4.3	11.2	1.4	9.4	1	140	45	27	6

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JPAC330	40	44	4	1418	235	590	71	278	50	11.3	31	3.9	18.6	3.1	8.5	1.1	8	1	109	38	19	4
JPAC330	44	48	4	1218	217	486	59	230	40	9.6	27	3.3	15.9	3.1	8.5	1.1	7.4	1.1	110	37	17	3
JPAC330	48	52	4	1310	231	525	66	260	42	10.5	29	3.7	17.7	2.9	8	0.9	6.4	0.8	106	33	18	3
JPAC330	52	56	4	1132	201	463	58	222	38	9	24	2.9	14.5	2.5	6.3	0.7	5.6	0.6	86	31	17	3
JPAC330	56	60	4	1313	259	540	65	245	41	9.8	27	3.4	15.4	2.8	6.7	0.9	6	0.8	91	34	21	5
JPAC330	60	64	4	1036	195	424	51	199	35	7.7	21	2.8	13.1	2.3	5.9	0.7	4.9	0.6	74	30	15	5
JPAC330	64	68	4	1000	189	414	50	189	33	7.3	21	2.6	12.6	2.1	5.7	0.7	4.4	0.6	68	32	14	2
JPAC330	68	71	3	990	186	412	49	189	33	7	20	2.5	12.1	2.2	5	0.7	4.7	0.5	68	31	13	2
JPAC331	12	16	4	844	184	329	44	177	28	6.2	16	2	8.9	1.5	3.5	0.4	2.8	0.3	41	38	30	2
JPAC331	16	20	4	1561	285	661	81	334	63	12.2	32	3.7	15.7	2.3	4.8	0.5	3	0.4	64	49	40	3
JPAC331	20	24	4	2163	352	907	98	404	75	17.1	54	6.7	31.8	5.3	14.1	1.6	9.5	1	187	44	39	2
JPAC331	24	28	4	1976	384	867	101	370	59	13.7	37	4.4	21	3.3	8	0.9	5.4	0.7	102	44	44	4
JPAC331	28	32	4	2054	407	872	109	416	72	16	42	4.9	21.5	3.2	7	0.8	4.8	0.6	77	50	47	5
JPAC331	32	36	4	1837	321	856	88	335	59	13.8	38	4.3	20.7	3.4	7.4	0.9	5.6	0.6	85	41	42	5
JPAC331	36	40	4	1540	269	614	73	294	53	12.6	45	5.2	27.1	4.9	10.7	1.3	7.6	1	123	38	33	6
JPAC331	40	44	4	1379	254	596	64	239	41	9.4	34	4.1	19.1	3.5	8.3	1.2	7.2	1.1	98	38	32	6
JPAC331	44	48	4	1786	306	760	90	345	57	12.3	41	4.8	23.4	4.1	10.3	1.6	9.4	1.4	119	37	31	6
JPAC331	48	52	4	1418	221	527	65	257	42	10.3	36	4.7	25.4	5.7	14.6	2.2	13	2	194	32	20	4
JPAC331	52	56	4	869	154	366	45	173	29	6.2	18	2.1	10.9	1.8	4.7	0.7	3.7	0.5	54	29	14	3
JPAC331	56	57	1	675	125	285	35	130	21	4.8	14	1.7	7.6	1.4	3.6	0.5	3.1	0.4	42	28	11	2
JPAC332	12	16	4	326	108	117	17	53	6	1.3	4	0.5	2.6	0.5	1.2	0.2	1.1	0.1	14	37	28	2
JPAC332	16	20	4	1146	337	485	64	182	23	4.3	12	1.4	6.4	1.2	2.3	0.3	1.8	0.2	27	51	39	3
JPAC332	20	24	4	1712	349	803	86	302	45	10	29	3.4	14.4	2.4	5.2	0.7	3.3	0.4	58	51	36	4
JPAC332	24	28	4	1905	352	919	95	343	54	11.6	36	4.1	17.6	2.7	5.5	0.6	3.1	0.4	61	45	26	3
JPAC332	28	32	4	1442	304	581	87	313	44	9	24	2.8	12.6	2.1	4.3	0.5	2.5	0.4	55	47	28	3
JPAC332	32	36	4	1170	266	486	67	231	33	6.6	19	2.2	10.1	1.7	3.4	0.5	2.7	0.4	40	51	29	3
JPAC332	36	40	4	1603	304	724	87	322	45	9.4	25	2.9	13.7	2.3	4.8	0.6	3.8	0.6	59	49	27	3
JPAC332	40	44	4	1591	294	728	82	307	50	10.1	28	3.2	14	2.3	5.2	0.8	4.6	0.6	62	47	25	3
JPAC332	44	48	4	1797	321	803	86	327	54	11.9	38	4.5	21.6	3.9	8.5	1.1	6.7	1	109	39	22	4
JPAC332	48	52	4	1294	229	545	64	245	41	8.7	28	3.4	16.4	3.2	7.6	1.1	6.9	1	94	33	17	4
JPAC332	52	55	3	1084	201	459	55	208	35	7.3	23	2.9	13.3	2.3	6	0.8	4.5	0.7	67	29	17	3
JPAC333	24	28	4	217	65	98	9	24	3	0.7	2	0.4	2	0.4	1.2	0.2	1.4	0.2	10	72	45	4
JPAC333	28	32	4	834	188	341	46	160	27	5.8	14	1.8	8.4	1.4	3.3	0.4	2.8	0.4	35	56	35	8
JPAC333	32	36	4	2551	559	1241	112	384	58	12.8	38	4.7	21.5	3.8	8.5	1.1	5.8	0.7	102	67	42	4
JPAC333	36	40	4	2173	436	1044	102	362	54	11.4	33	4	18	3.2	7.3	1	4.8	0.7	93	52	24	3
JPAC333	40	44	4	2311	448	1081	118	425	61	12.4	35	4.1	19.9	3.4	7.7	1	6	0.7	90	50	26	4
JPAC333	44	48	4	1790	321	834	84	311	49	10.7	33	4	19.3	3.5	8.8	1.2	7.4	1	102	50	25	6
JPAC333	48	52	4	2691	439	1141	137	541	92	19.4	60	7	33.2	6.1	14	2.2	12.3	1.9	185	47	25	8
JPAC333	52	56	4	1336	209	513	63	252	42	10.1	35	4.4	22.8	4.7	11.9	1.9	10.9	1.6	153	39	17	4

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC333	56	60	4	1138	196	459	56	218	38	8.3	26	3.2	16.4	3.2	7.8	1.1	6.8	1	98	32	17	3
JPAC333	60	61	1	1209	209	495	60	233	39	8.7	27	3.5	16.5	3.3	8.1	1.1	6.5	1	98	34	18	3
JPAC334	32	36	4	308	66	128	16	60	9	1.9	5	0.7	3.5	0.7	1.8	0.3	1.8	0.3	13	56	47	4
JPAC334	36	40	4	942	285	446	40	108	15	3.1	9	1.1	5.5	0.9	2.3	0.4	2.1	0.3	23	49	37	4
JPAC334	40	44	4	1183	312	527	51	158	24	5.2	16	2	9.8	2	5.1	0.7	3.5	0.5	67	43	22	2
JPAC334	44	48	4	1625	323	802	79	262	41	8.6	22	2.8	12	2.1	5.4	0.7	3.9	0.6	60	48	31	4
JPAC334	48	52	4	2989	539	1486	160	551	84	17	43	5.1	21.2	3.1	7.6	0.9	4.9	0.7	65	33	21	6
JPAC334	52	56	4	1603	246	606	74	297	58	12.7	43	5.6	29	5.6	15.4	2.1	12.7	1.9	194	30	21	4
JPAC334	56	60	4	1601	279	683	80	301	54	11.1	34	4.2	20.1	3.5	9.5	1.2	7	1.1	112	31	24	4
JPAC334	60	64	4	1529	267	668	77	283	52	11.1	33	4	18.8	3.3	8.4	1.1	6.3	0.9	95	30	24	4
JPAC334	64	66	2	1430	246	615	73	273	49	10.3	32	3.9	18.7	3.1	8.6	1	5.8	0.9	90	29	22	4
JPAC335	8	12	4	442	140	204	18	53	7	1.8	4	0.4	2.2	0.4	1	0.1	0.8	0.1	12	26	14	1
JPAC335	12	16	4	1080	195	473	54	201	33	6.9	21	2.6	12.9	2.3	5.7	0.8	4.3	0.6	68	26	14	2
JPAC335	16	18	2	792	140	345	41	146	27	5.2	17	2	9.6	1.7	4.2	0.5	3.5	0.5	50	26	13	1
JPAC336	20	24	4	552	158	239	31	85	10	2	6	0.7	3.5	0.5	1.6	0.2	1.3	0.1	15	39	31	3
JPAC336	24	28	4	1939	393	980	101	315	40	8.1	21	2.6	11.8	2	4.8	0.6	3.6	0.5	55	50	32	3
JPAC336	28	32	4	2530	391	1290	119	418	62	12.7	36	4.6	24.6	4.6	13.1	1.8	11.2	1.5	141	43	30	3
JPAC336	32	36	4	1725	317	787	91	318	51	10.7	30	3.6	17.7	3	7.5	0.8	4.2	0.5	83	44	35	3
JPAC336	36	40	4	1429	287	642	76	261	40	8	23	2.8	14.3	2.4	5.7	0.7	4	0.5	61	43	36	5
JPAC336	40	44	4	2107	391	961	109	392	66	14.2	44	5.1	24.1	3.7	9	1	6.4	1	82	43	29	6
JPAC336	44	48	4	1792	301	811	90	339	60	12.8	38	4.8	22.7	3.6	8.5	1.1	6.6	0.9	92	38	22	5
JPAC336	48	52	4	1912	330	859	98	349	60	13.4	40	4.7	23.5	3.9	9.8	1.3	7.8	1.1	112	38	25	6
JPAC336	52	56	4	1542	244	650	75	283	51	10.6	33	4.4	23	4.2	12.1	1.7	11	1.8	138	34	24	5
JPAC336	56	60	4	1743	257	769	89	331	60	11.3	37	4.7	23.5	4.1	11.2	1.5	8.9	1.3	134	33	26	5
JPAC336	60	63	3	899	144	384	47	174	30	6.6	18	2.4	11.9	2.1	5.6	0.8	4.6	0.8	67	30	14	3
JPAC337	28	32	4	450	141	168	24	71	12	2.4	6	0.7	4.2	0.7	1.7	0.2	1.5	0.2	18	56	41	4
JPAC337	32	36	4	1156	296	416	68	226	38	7.7	22	2.7	12.6	2.1	5	0.5	2.9	0.4	56	59	38	4
JPAC337	36	40	4	1608	367	625	90	313	52	10.7	31	3.6	17.8	2.9	7.8	0.9	4.5	0.5	83	51	31	3
JPAC337	40	44	4	598	89	344	22	74	12	3	9	1.3	7	1.3	2.9	0.3	1.4	0.1	31	34	5	3
JPAC337	44	48	4	465	65	248	19	67	11	2.8	9	1.3	7.2	1.2	3	0.4	2.1	0.2	30	42	5	6
JPAC337	48	52	4	723	104	308	29	127	28	7.2	24	3	15.4	2.6	5.9	0.7	4	0.5	65	41	6	7
JPAC337	52	56	4	1852	233	717	78	306	58	14.3	53	7.1	40.3	8.6	25.7	3.8	28	4.4	277	34	19	6
JPAC337	56	60	4	1658	222	603	69	280	52	12.9	46	6.5	36.6	7.6	23	3.4	25.1	4	267	31	18	5
JPAC337	60	64	4	1204	198	500	60	228	40	8.7	28	3.4	17.4	3.1	8.3	1.2	8	1.2	99	29	18	3
JPAC337	64	68	4	1161	194	491	59	234	38	7.4	23	3	15.2	2.4	6.6	0.9	5.6	0.8	81	26	17	3
JPAC338	8	12	4	131	22	66	5	18	3	0.8	2	0.3	1.7	0.3	0.8	0.1	0.9	0.1	10	22	13	2
JPAC338	12	16	4	732	221	271	39	123	18	4.1	11	1.4	6.4	1.1	2.6	0.3	1.6	0.3	32	60	50	3
JPAC338	16	20	4	805	225	300	45	143	22	4.8	14	1.7	7.8	1.3	2.9	0.4	2.1	0.3	35	62	45	3
JPAC338	20	24	4	1708	385	558	103	384	67	13.7	42	5.2	23.8	4	9.3	1.1	5.6	0.6	108	46	37	3

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JPAC338	24	28	4	1722	353	705	90	316	53	11.2	33	4.4	20.6	3.4	9.2	1	6.2	0.8	115	47	38	4
JPAC338	28	32	4	1569	317	760	76	248	41	8.3	25	3.2	14.5	2.3	5.5	0.7	4.1	0.5	63	47	37	6
JPAC338	32	36	4	1241	256	617	57	186	31	6.3	19	2.4	11.4	1.8	4.4	0.5	2.9	0.4	46	47	34	7
JPAC338	36	40	4	1381	308	559	77	259	43	9.6	27	3.5	15.8	2.5	6.3	0.7	4.3	0.5	65	46	34	8
JPAC338	40	44	4	1693	344	714	91	321	56	11.9	37	4.7	21.8	3.3	7.7	0.9	5.2	0.6	75	49	44	8
JPAC338	44	48	4	4671	610	1720	230	993	190	41.5	142	18.6	97	18.1	49.1	5.9	28.9	2.6	527	40	40	10
JPAC338	48	52	4	2835	388	1278	128	493	88	19.5	65	8.5	44.2	8.2	22.6	2.9	15.7	1.7	273	42	33	9
JPAC338	52	56	4	2335	314	1021	120	493	92	19.7	59	7.3	33.2	5.3	13	1.7	9.9	1.3	145	42	26	8
JPAC338	56	60	4	2317	287	888	105	448	91	21.8	71	9.7	49.2	8.9	25.8	3.5	23.3	3.4	281	42	28	8
JPAC338	60	65	5	1496	242	603	74	287	51	12.4	37	4.5	22.6	4	11	1.5	10.6	1.7	135	36	26	6
JPAC339	20	24	4	115	30	43	6	18	3	0.7	2	0.3	1.8	0.3	0.9	0.2	1.2	0.2	9	56	35	4
JPAC339	24	28	4	613	218	201	38	110	11	2.6	6	0.8	3.9	0.7	1.7	0.2	1.7	0.3	18	70	34	4
JPAC339	28	32	4	1502	426	597	83	261	37	7.4	20	2.4	10.4	1.7	4.1	0.5	2.6	0.4	48	59	37	4
JPAC339	32	36	4	2102	556	822	125	397	55	11.5	30	3.5	16.3	2.5	6.1	0.7	4.4	0.5	73	78	47	4
JPAC339	36	40	4	3446	569	1382	179	755	141	30	84	10.4	47.7	7.6	18.4	2.1	10.7	1	209	59	34	3
JPAC339	40	44	4	2329	392	1149	110	390	61	12.8	37	4.4	21.7	4	10.1	1.2	5.7	0.7	131	47	31	4
JPAC339	44	48	4	1888	328	931	86	290	44	9.6	29	3.6	18.2	3.3	9.3	1.2	7.6	1	126	44	41	6
JPAC339	48	52	4	2236	374	1018	113	418	74	16.4	50	6	27.4	4.3	9.9	1.3	7.2	1	117	36	26	6
JPAC339	52	56	4	2110	308	930	106	406	65	13.9	43	5.4	27.3	4.8	13.9	1.9	12.8	1.9	171	32	20	4
JPAC339	56	60	4	1223	201	509	62	229	38	8.2	25	3.2	16.2	2.9	8.2	1.1	7.2	1.1	112	33	16	3
JPAC339	60	64	4	994	171	421	52	197	32	7.2	20	2.5	12.1	2	5.2	0.7	4.2	0.6	67	32	14	3
JPAC339	64	68	4	888	157	378	47	171	28	6	18	2.3	10.6	1.8	4.7	0.6	4.2	0.5	58	31	15	3
JPAC339	68	71	3	820	145	355	43	154	26	5.9	17	2.1	10.1	1.6	4.4	0.5	3.6	0.5	53	26	17	3
JPAC340	8	12	4	132	24	71	5	15	3	0.7	2	0.3	1.7	0.3	0.7	0.1	1	0.1	8	22	18	2
JPAC340	12	16	4	467	141	146	28	87	12	2.4	8	1	5.1	1	2.4	0.3	1.9	0.3	30	37	25	2
JPAC340	16	20	4	914	266	373	47	141	20	3.9	12	1.6	7.2	1.3	2.9	0.4	2.3	0.3	35	60	36	3
JPAC340	20	24	4	1032	229	387	59	205	33	6.8	22	2.7	13.4	2.1	5.1	0.6	3.1	0.4	64	48	23	2
JPAC340	24	28	4	1211	240	453	68	252	43	8.8	28	3.4	16.5	2.8	7	0.9	4.5	0.5	83	50	22	2
JPAC340	28	32	4	1244	258	563	63	214	32	6.6	20	2.4	11.2	2	5	0.7	3.6	0.5	62	54	25	3
JPAC340	32	36	4	1010	213	440	54	178	28	5.9	17	2.1	10.6	1.8	4.5	0.5	2.7	0.4	53	48	22	3
JPAC340	36	40	4	1343	286	609	70	228	34	6.8	21	2.6	12.6	2	5.2	0.7	3.8	0.5	61	48	26	4
JPAC340	40	44	4	1319	278	565	76	247	36	7.3	22	2.7	12.5	2.1	5.5	0.7	3.8	0.5	62	48	24	4
JPAC340	44	48	4	2257	379	916	124	472	79	16.2	50	6.1	29.6	5.1	13.1	1.6	9.5	1.3	156	47	28	5
JPAC340	48	52	4	2618	396	1069	144	614	105	22.7	62	7.1	31.7	5	12.4	1.5	8.5	1.3	138	41	32	6
JPAC340	52	56	4	1718	267	704	85	327	56	12.7	41	5.2	25.4	4.6	12.8	1.9	12.1	1.9	163	35	29	5
JPAC340	56	60	4	954	160	392	50	186	30	6.5	21	2.6	13.3	2.4	6.4	0.9	5.5	0.8	78	31	17	3
JPAC340	60	64	4	989	169	413	53	201	33	7	21	2.6	12.6	2.1	5.3	0.8	4.3	0.7	66	29	18	3
JPAC340	64	67	3	866	148	361	47	173	30	6	18	2.3	11.5	1.9	5.1	0.6	3.8	0.6	58	28	16	3
JPAC341	12	16	4	262	72	88	16	52	8	1.5	4	0.6	2.9	0.5	1.2	0.1	1	0.1	14	29	17	1

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JPAC341	16	20	4	818	194	312	49	159	24	5.1	15	1.8	8.8	1.5	3.2	0.4	1.9	0.3	43	46	26	2
JPAC341	20	24	4	1128	257	446	70	227	32	6.9	19	2.2	10.9	1.7	4	0.5	2.5	0.3	49	47	34	3
JPAC341	24	28	4	1481	290	612	88	300	45	8.9	27	3.3	15.9	2.7	6.2	0.8	4.1	0.5	79	51	36	3
JPAC341	28	32	4	1027	209	381	61	213	36	7.2	22	2.6	13.1	2.2	5.3	0.7	4.1	0.6	70	50	34	4
JPAC341	32	36	4	1065	207	388	58	212	37	7.7	25	3.1	14.9	2.8	7.3	0.9	5.1	0.7	96	47	31	4
JPAC341	36	40	4	1398	277	640	70	247	41	8.8	26	3.1	14.7	2.3	5.1	0.6	3	0.4	59	46	35	4
JPAC341	40	44	4	1634	321	759	83	282	46	9.6	28	3.4	15.6	2.6	5.9	0.7	3.7	0.5	73	47	38	5
JPAC341	44	48	4	2781	439	1345	129	484	80	16.6	55	6.7	32.5	5.6	13.6	1.6	8	0.9	164	45	29	6
JPAC341	48	52	4	2073	325	968	98	372	64	13.1	42	5.2	26.1	4.5	11.4	1.6	8.7	1.2	133	46	28	7
JPAC341	52	56	4	2764	352	1400	121	489	84	17.3	56	6.8	32.4	5.6	14.9	2.1	11.7	1.5	170	41	19	6
JPAC341	56	60	4	2232	283	979	106	454	86	18.4	57	6.9	32.7	5.7	15.1	2.1	13.7	2.1	172	34	23	6
JPAC341	60	64	4	1279	233	547	65	240	40	8.6	25	3	15.1	2.8	7.2	0.9	5.7	0.8	86	30	26	4
JPAC341	64	67	3	1054	181	451	56	210	36	6.6	22	2.7	12.4	2.2	5.7	0.7	4.2	0.5	65	26	22	4
JPAC342	4	8	4	239	52	99	11	37	6	1.2	4	0.6	3.2	0.6	1.7	0.3	1.7	0.2	20	21	18	2
JPAC342	8	12	4	616	154	267	33	102	14	2.6	8	1.1	5.1	0.8	2	0.3	1.5	0.2	25	38	22	2
JPAC342	12	16	4	1177	297	536	61	181	26	5	14	1.8	9.1	1.4	3.1	0.4	2.1	0.3	40	52	26	2
JPAC342	16	20	4	1224	300	566	61	184	27	5.5	16	2	9.4	1.4	3.4	0.3	2.3	0.3	45	54	36	2
JPAC342	20	24	4	1461	357	690	74	213	30	6	17	2	10.3	1.7	4.2	0.4	2.9	0.4	53	56	39	3
JPAC342	24	28	4	765	179	362	39	118	15	2.8	9	1.1	5.1	0.9	2.4	0.3	1.9	0.3	29	55	30	3
JPAC342	28	32	4	363	103	158	18	53	7	1.9	5	0.5	2.5	0.4	0.9	0.1	0.7	0.1	12	32	21	1
JPAC342	32	36	4	392	121	180	20	49	5	1.4	3	0.4	1.7	0.3	0.8	0.1	0.8	0.1	10	36	30	1
JPAC342	36	40	4	328	104	138	16	45	6	0.9	3	0.4	2.3	0.3	0.9	0.1	0.8	0.1	10	33	26	1
JPAC342	40	44	4	304	80	152	13	37	5	0.9	3	0.4	2.1	0.3	0.8	0.1	0.7	0.1	9	28	33	1
JPAC342	44	48	4	369	98	199	15	41	5	1.4	2	0.2	1.3	0.2	0.5	0	0.8	0.1	5	28	32	2
JPAC342	48	52	4	492	87	327	14	41	5	1.2	3	0.4	2	0.3	1	0.1	1	0.1	10	33	33	2
JPAC342	52	56	4	1670	238	948	73	264	41	8.7	25	2.9	13.1	1.9	4.5	0.6	3.6	0.4	45	38	30	8
JPAC342	56	60	4	1248	213	634	58	202	31	6.9	19	2.4	12.2	2.1	5	0.7	4.3	0.6	57	36	27	8
JPAC342	60	64	4	1646	347	655	93	327	53	11	33	4.2	20.3	3.3	7.8	0.9	5.9	0.7	86	37	33	6
JPAC342	64	67	3	1727	320	669	95	351	61	13.3	40	5	25.6	4.1	10.3	1.4	9	1.2	121	35	33	7
JPAC343	12	16	4	318	96	123	17	50	7	1.5	4	0.5	2.5	0.4	1	0.1	1	0.1	13	38	20	1
JPAC343	16	20	4	514	160	216	26	72	10	1.8	5	0.6	2.8	0.5	1.2	0.1	1.2	0.1	17	34	25	1
JPAC343	20	24	4	320	91	138	13	42	6	1.1	4	0.5	3.1	0.5	1.3	0.2	1.2	0.1	18	37	21	1
JPAC343	24	28	4	217	55	119	8	24	3	0.7	1	0.2	0.8	0.1	0.3	0	0.5	0	5	32	24	1
JPAC343	28	32	4	215	65	102	10	27	3	1	2	0.2	0.9	0.1	0.4	0	0.5	0	5	33	25	1
JPAC343	32	36	4	267	80	120	13	37	5	1.3	3	0.2	1.3	0.2	0.6	0.1	0.6	0.1	6	32	26	1
JPAC343	36	40	4	593	129	313	26	84	12	2.5	7	0.7	3.8	0.5	1.1	0.1	1	0.1	13	31	32	1
JPAC343	40	44	4	497	101	248	22	74	11	2.6	8	1	4.6	0.8	1.9	0.2	1.8	0.2	20	30	27	2
JPAC343	44	47	3	490	62	323	15	50	8	1.7	5	0.7	3.6	0.6	1.7	0.2	1.9	0.3	17	22	21	1
JPAC344	4	8	4	582	140	212	31	110	16	3.1	11	1.3	7.4	1.3	3.4	0.4	2.5	0.3	42	26	23	2

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC344	8	12	4	482	125	197	25	80	11	2.7	8	1	5.2	0.9	1.9	0.2	1.6	0.2	23	36	22	2
JPAC344	12	16	4	1326	326	575	72	225	32	7.1	20	2.3	11.3	1.7	3.9	0.5	2.9	0.3	48	44	27	2
JPAC344	16	20	4	1488	337	626	85	269	40	8.6	25	3	14.5	2.3	4.9	0.6	3.6	0.4	68	49	29	2
JPAC344	20	24	4	2014	361	1010	110	380	53	10.6	25	2.9	13.5	1.8	3.8	0.4	2.7	0.3	40	47	32	3
JPAC344	24	28	4	1873	340	880	102	373	56	11.3	29	3.3	15.1	2.2	4.8	0.5	3.2	0.4	54	46	30	3
JPAC344	28	32	4	1493	291	658	82	287	44	9.3	25	3.1	14.8	2.3	5.8	0.6	3.8	0.4	66	49	31	4
JPAC344	32	36	4	2138	348	871	110	422	75	15.6	56	6.6	34.5	5.7	14.2	1.8	9.2	1.1	168	42	31	4
JPAC344	36	40	4	2512	382	1101	130	518	97	20	61	7.5	34.3	5.2	12.5	1.6	9	1.1	132	42	30	6
JPAC344	40	44	4	2231	327	845	114	465	88	17.8	59	7.1	37.2	6.7	19.6	2.7	18.9	2.7	221	35	25	8
JPAC344	44	48	4	1837	250	629	80	325	65	15.7	56	7.9	44.5	8.3	25.5	3.8	26.3	4.1	297	36	23	7
JPAC344	48	52	4	1289	198	494	60	217	38	8.5	32	4.3	23.2	4.6	14.1	2	12.5	2	178	31	19	5
JPAC344	52	56	4	994	167	425	51	184	31	6.3	21	2.5	14	2.2	6.4	0.9	5.3	0.8	78	27	16	3
JPAC344	56	57	1	903	155	389	47	170	29	6.1	19	2.3	12.1	2	5.1	0.6	4.1	0.6	62	24	16	3
JPAC345	4	8	4	434	96	171	23	75	12	2.4	8	1.1	6.6	1.1	3.1	0.4	2.4	0.4	33	26	20	2
JPAC345	8	12	4	952	218	430	51	152	22	4	14	1.7	8.3	1.4	4	0.5	2.6	0.4	44	42	23	2
JPAC345	12	16	4	1307	299	566	71	220	30	5.7	17	2.1	11.9	1.9	5.5	0.7	4.8	0.7	70	53	28	2
JPAC345	16	20	4	1764	334	787	95	332	54	9.7	29	3.8	18.7	2.9	7.5	0.9	6.5	0.9	82	49	28	3
JPAC345	20	24	4	1644	332	726	87	301	45	8	27	3.2	16.7	2.7	7.1	1	6.1	0.9	81	48	26	3
JPAC345	24	28	4	1416	257	676	71	258	40	7.5	21	2.4	12.9	1.9	5.2	0.7	4.3	0.6	58	39	22	3
JPAC345	28	32	4	826	152	339	44	165	28	5.7	17	2.2	11.3	1.8	4.7	0.6	3.7	0.5	51	38	26	3
JPAC345	32	36	4	1540	279	677	80	292	51	9.9	29	3.6	17.6	2.8	7.6	1.1	6.3	0.8	82	40	29	4
JPAC345	36	40	4	1545	222	622	71	282	51	11.5	40	5.2	28.8	5.1	15.1	2.1	14.1	2.4	173	32	19	4
JPAC346	4	8	4	340	64	158	15	51	9	1.8	6	0.9	5	0.8	2.5	0.4	2.3	0.3	24	26	20	2
JPAC346	8	12	4	1833	373	555	124	484	81	16.3	50	5.8	28.7	4.1	9.4	1	5.1	0.7	95	47	36	4
JPAC346	12	16	4	1473	273	816	64	206	31	5.9	17	2.1	10	1.5	3.6	0.5	3.2	0.4	40	41	35	6
JPAC346	16	20	4	1898	384	779	106	376	63	13.1	40	5	25.6	3.6	8.9	1	5.3	0.6	88	45	35	5
JPAC346	20	24	4	1901	204	1174	68	257	45	9.6	27	3.4	15.7	2.6	7.2	0.9	6.1	0.8	80	34	16	5
JPAC347	8	12	4	821	161	348	44	160	26	5.3	15	1.8	9.4	1.5	3.9	0.5	2.6	0.4	43	38	21	3
JPAC347	12	16	4	1493	270	676	81	292	46	9.1	27	3.1	15.4	2.4	5.6	0.7	3.6	0.5	63	47	23	2
JPAC347	16	20	4	1597	306	644	92	335	51	10.4	29	3.5	18.2	2.8	7.4	0.9	5	0.6	92	45	23	2
JPAC347	20	24	4	1250	215	553	67	251	42	8.7	25	2.7	13	2.1	5.4	0.7	3.8	0.5	61	38	20	3
JPAC347	24	28	4	1478	223	618	69	274	49	10.6	29	3.8	19.9	3.9	12.2	2	13.4	2.1	150	36	18	5
JPAC347	28	32	4	1114	179	437	57	219	39	8.7	25	2.9	15	2.9	8.6	1.3	8.5	1.2	109	33	15	6
JPAC347	32	36	4	1319	212	518	66	254	45	10.2	32	4.3	22	4	11.4	1.8	11.2	1.6	125	32	15	3
JPAC347	36	40	4	1332	206	485	58	212	37	8.7	33	5.3	30.5	6.1	17.4	2.6	15.7	2.4	211	30	17	3
JPAC347	40	44	4	877	155	383	46	168	26	5.4	16	2	10	1.7	4.3	0.6	3.5	0.5	57	29	13	3
JPAC347	44	48	4	912	160	398	49	176	29	5.8	17	2	10.2	1.8	4.6	0.6	3.7	0.5	53	31	15	3
JPAC347	48	52	4	973	171	423	51	190	30	6.1	18	2.3	11.5	1.9	4.8	0.7	4.2	0.6	58	31	14	4
JPAC347	52	54	2	1007	175	437	54	197	31	6.5	18	2.4	11.9	2.1	5.4	0.7	4.2	0.5	61	28	14	3

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC348	4	8	4	441	89	189	20	70	11	2.6	8	1.2	6.3	1.2	3.6	0.4	2.6	0.4	37	27	21	2
JPAC348	8	12	4	1148	274	537	61	183	23	4.6	12	1.5	8.1	1.3	3	0.4	2.1	0.3	37	45	25	4
JPAC348	12	16	4	1452	287	717	79	254	31	6.5	17	2	9.8	1.5	3.6	0.5	2.5	0.4	41	44	29	3
JPAC348	16	20	4	1993	371	959	113	376	50	10.2	27	3.3	16.4	2.4	5.4	0.6	3.7	0.5	56	48	36	4
JPAC348	20	24	4	2252	396	1070	115	406	66	13	40	5.1	24.6	3.9	9.3	1	5.3	0.7	97	46	29	3
JPAC348	24	28	4	913	166	434	43	151	24	5.2	14	1.9	8.9	1.7	5.2	0.6	3.6	0.5	54	40	15	3
JPAC348	28	32	4	1821	265	945	88	336	56	10.5	27	3.1	14.3	2.2	6	0.9	5.7	0.9	61	32	20	4
JPAC348	32	36	4	2147	276	749	93	365	70	16.3	59	8.6	51.4	10.1	30.9	4.8	31.3	4.9	377	30	20	5
JPAC348	36	40	4	1812	227	590	79	306	58	14.2	55	8.3	48.9	9.9	29.4	4.3	28	4.3	350	29	21	4
JPAC348	40	44	4	1090	172	468	56	211	35	7.4	23	2.9	14.9	2.7	7	1	5.5	0.9	84	28	18	3
JPAC348	44	46	2	1051	189	467	53	191	29	6.3	19	2.5	13	2.2	5.8	0.8	4.9	0.7	67	25	17	3
JPAC349	4	8	4	212	52	80	10	34	6	1	4	0.5	2.9	0.6	1.6	0.2	1.6	0.3	17	24	20	2
JPAC349	8	12	4	1689	353	708	91	336	49	10.7	30	3.5	17.7	2.8	6.9	0.8	5.1	0.7	75	44	21	3
JPAC349	12	16	4	1005	171	443	46	183	29	7.8	20	2.5	13.6	2.3	6.1	0.8	5	0.7	75	45	16	3
JPAC349	16	20	4	590	111	269	25	93	16	4	12	1.6	8.3	1.4	3.7	0.5	3.5	0.5	41	40	16	2
JPAC349	20	24	4	746	169	344	37	120	17	4.6	9	1.2	6.1	1	3.1	0.5	3.1	0.5	32	38	23	3
JPAC349	24	28	4	1028	212	446	55	198	28	7.4	15	1.9	9.1	1.5	4.2	0.5	4	0.6	46	38	19	4
JPAC349	28	32	4	662	114	242	31	124	22	5.9	17	2.3	13	2.3	6.6	0.9	5.7	0.9	75	30	13	3
JPAC349	32	36	4	1104	188	456	56	212	38	7.2	23	3	15.8	2.8	7.2	1	5.8	0.8	88	27	18	4
JPAC350	4	8	4	390	82	159	20	67	10	1.9	7	1	5.6	1	2.7	0.4	2.3	0.3	30	27	22	2
JPAC350	8	12	4	1692	335	764	97	328	44	8.2	25	2.8	13.3	2	5.1	0.5	3	0.4	64	49	28	3
JPAC350	12	16	4	1724	315	776	94	339	52	10.1	31	3.7	17.1	2.7	6.4	0.7	3.8	0.5	71	47	30	3
JPAC350	16	20	4	1329	233	570	71	254	38	7.9	25	3.2	16.2	2.6	6.9	0.8	4.5	0.6	97	44	30	4
JPAC350	20	24	4	1891	323	812	110	399	60	12.4	37	4.3	21.1	3.5	7.9	0.9	5.6	0.7	95	42	30	6
JPAC350	24	28	4	1500	205	515	75	327	61	13.3	48	5.9	30.9	5.3	14.9	2.1	13.6	2	183	32	23	8
JPAC350	28	32	4	1018	159	398	52	197	34	7.3	26	3.3	16.8	3	8	1	6.3	0.8	106	28	15	3
JPAC350	32	34	2	849	145	337	46	173	27	5.8	20	2.5	12.5	2	5.4	0.7	4.4	0.6	68	26	15	2
JPAC351	4	8	4	387	64	196	16	53	9	1.8	6	0.9	5.3	1	2.9	0.3	2.4	0.4	28	27	21	2
JPAC351	8	12	4	1791	303	927	75	264	41	8.8	31	3.7	18.4	3.1	7.6	0.9	4.6	0.5	103	46	26	3
JPAC351	12	16	4	2133	365	1153	93	330	48	8.9	27	3.2	15.7	2.5	6.1	0.7	3.5	0.4	76	54	34	3
JPAC351	16	20	4	1655	326	787	84	290	44	8.2	25	2.9	13.8	2.2	5.2	0.6	3.1	0.4	62	47	32	3
JPAC351	20	24	4	1760	338	755	90	325	51	10.4	34	4.1	20.7	3.5	8.5	0.9	5.2	0.6	114	47	27	3
JPAC351	24	28	4	1924	332	875	94	331	52	9.8	37	4.7	25.5	4.2	11.2	1.3	7.2	0.9	140	47	39	3
JPAC351	28	32	4	1494	259	681	74	268	41	7.8	27	3.2	17.6	3	7.9	1	7	0.9	96	42	28	3
JPAC351	32	36	4	1524	249	614	75	285	45	9.3	34	4.3	23.1	4.2	12.1	1.6	9.8	1.5	157	36	24	5
JPAC351	36	40	4	1453	240	602	71	257	40	7.7	28	3.3	19.2	3.6	11.2	1.7	10.9	1.7	157	35	29	6
JPAC352	4	8	4	315	68	127	16	54	9	1.6	6	0.8	4.3	0.8	2.2	0.3	2.1	0.3	25	26	21	2
JPAC352	8	12	4	1352	303	649	60	197	29	6.4	20	2.2	11.5	1.9	4.8	0.6	3.3	0.5	64	43	28	3
JPAC352	12	16	4	1919	405	999	88	269	33	7.6	20	2.4	11.7	2	5.5	0.7	3.8	0.5	72	49	26	2

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JPAC352	16	20	4	1203	252	556	69	216	29	4.9	15	1.9	9	1.4	3.5	0.4	2.6	0.4	42	48	33	3
JPAC352	20	24	4	707	195	316	39	115	13	2.3	7	0.7	3.3	0.5	1.3	0.1	1	0.2	14	42	41	2
JPAC352	24	28	4	609	164	276	30	92	12	2.9	8	0.9	3.8	0.6	1.6	0.2	1	0.1	17	27	34	1
JPAC352	28	32	4	852	212	396	43	135	15	3.6	7	0.9	4.5	0.8	2.1	0.3	1.7	0.2	31	29	36	2
JPAC352	32	36	4	1660	264	853	80	296	44	8.7	25	2.9	13.9	2.1	5.3	0.7	4.1	0.4	61	37	25	3
JPAC352	36	40	4	1711	273	787	85	329	52	11	35	4.1	20.1	3.1	7.9	1	6.8	0.8	97	38	35	4
JPAC352	40	44	4	1395	258	586	69	246	39	7.8	30	3.9	20.7	3.5	9.6	1.3	8.6	1.2	112	36	34	4
JPAC352	44	47	3	1169	208	459	52	195	29	6.1	23	2.9	16.9	3.5	10.8	1.6	10.3	1.7	149	35	27	4
JPAC353	4	8	4	468	90	206	22	78	11	2.5	8	1.2	5.9	1.1	3.3	0.4	3	0.4	36	30	23	2
JPAC353	8	12	4	1121	243	522	56	193	27	5.7	15	1.8	8.7	1.4	3.5	0.4	2.3	0.2	42	47	27	3
JPAC353	12	16	4	1978	419	958	95	323	43	9.6	27	3.1	14.7	2.5	5.6	0.6	3.2	0.5	74	48	30	2
JPAC353	16	20	4	1518	312	660	81	308	46	10.1	26	3	14.1	2.1	4.3	0.5	3.1	0.4	49	47	29	2
JPAC353	20	24	4	2364	428	1160	122	446	63	13.1	38	4.6	20.3	2.9	6.3	0.7	4	0.6	56	41	43	3
JPAC353	24	28	4	1049	208	502	53	189	25	4.9	14	1.6	7.7	1.3	3.4	0.4	2.7	0.4	35	36	35	3
JPAC353	28	32	4	678	137	314	37	127	16	4.1	8	1	4.6	0.8	1.9	0.3	1.9	0.3	24	31	13	2
JPAC353	32	36	4	1114	228	437	53	221	37	10.2	25	2.9	13	2.1	5.8	0.9	5.4	0.9	73	30	29	2
JPAC353	36	39	3	1301	260	513	56	206	35	9.5	30	4.1	21	3.9	11.1	1.6	9.4	1.5	140	30	37	8
JPAC354	8	12	4	436	108	189	21	70	9	1.9	6	0.8	3.6	0.7	1.7	0.3	1.5	0.3	23	33	27	2
JPAC354	12	16	4	412	103	192	19	65	8	1.6	5	0.6	2.6	0.4	1.2	0.1	0.9	0.2	14	38	29	1
JPAC354	16	20	4	467	104	229	20	67	10	2.1	7	0.8	4.1	0.7	1.9	0.2	1.2	0.2	21	40	34	1
JPAC354	20	24	4	316	81	150	14	41	5	1.1	3	0.5	2.2	0.5	1.3	0.2	1.2	0.1	15	31	31	1
JPAC354	24	28	4	427	98	194	19	63	9	1.7	6	0.8	4.2	0.8	2.1	0.3	1.9	0.3	26	24	27	1
JPAC354	28	29	1	500	121	216	23	75	11	2.2	8	1	5.7	1.1	2.7	0.4	2.4	0.4	31	30	34	2
JPAC355	12	16	4	134	44	42	6	23	3	0.6	2	0.3	1.5	0.3	0.8	0.1	0.8	0.1	10	57	24	2
JPAC355	16	20	4	487	143	172	27	91	13	2.6	8	1	4.8	0.8	1.8	0.3	1.2	0.2	22	63	37	2
JPAC355	20	24	4	533	152	232	28	87	10	2.5	6	0.6	2.9	0.4	1	0.1	0.7	0.1	11	40	35	1
JPAC355	24	28	4	607	160	279	29	93	11	2.8	7	0.9	4	0.7	1.6	0.2	1	0.2	18	34	43	2
JPAC355	28	32	4	617	147	253	29	107	16	3.7	9	1.3	6.5	1.2	3.1	0.4	2.4	0.3	38	35	39	1
JPAC355	32	36	4	522	118	240	24	77	11	2.7	7	1	4.8	1	2.5	0.3	2	0.4	31	33	34	1
JPAC355	36	40	4	1500	233	738	65	265	42	9.1	28	3.5	16.5	2.8	7.1	1	5.7	0.8	83	33	32	2
JPAC355	40	41	1	660	118	334	26	98	15	4	11	1.4	7.3	1.3	3.5	0.5	3.3	0.5	37	23	32	1
JPAC356	16	20	4	148	43	61	6	20	3	0.7	2	0.3	1.8	0.3	0.9	0.2	1.2	0.2	9	53	28	4
JPAC356	20	24	4	1533	345	587	88	323	45	9.9	27	3.3	15.6	2.6	6	0.7	4	0.5	75	49	35	4
JPAC356	24	28	4	1143	335	490	54	174	22	4.8	13	1.7	7.9	1.2	2.9	0.4	2	0.3	33	53	31	3
JPAC356	28	32	4	1849	419	855	88	304	42	9.4	25	2.9	13.9	2.4	6.1	0.8	4.5	0.5	75	52	42	4
JPAC356	32	36	4	1440	299	620	78	283	41	9	23	2.8	13.2	2.1	4.7	0.6	2.8	0.4	60	44	29	6
JPAC356	36	40	4	1685	325	719	91	338	49	11.6	30	3.9	18.3	3	7	0.9	4.7	0.6	83	46	31	6
JPAC356	40	44	4	2638	474	980	144	591	93	20.6	54	6.7	33.1	6.1	16.7	2.5	16.8	2.8	198	36	39	6
JPAC356	44	48	4	1815	307	667	88	350	60	13.2	47	5.2	28.2	5.8	17.2	2.7	18.3	2.8	204	35	38	5

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC356	48	52	4	1385	227	569	71	272	49	9.5	33	3.6	18.7	3.3	9.1	1.1	7.2	1	113	36	18	4
JPAC356	52	56	4	1608	312	701	82	288	48	9.5	29	3.5	15.8	3.1	8.1	1.1	6.9	1.1	100	38	31	4
JPAC356	56	60	4	1365	312	626	67	223	32	6.8	18	2	9.6	1.6	4.2	0.6	3.5	0.5	58	33	42	4
JPAC356	60	64	4	1594	352	724	79	271	41	7.9	24	2.6	12.1	2.1	5.8	0.7	4.7	0.6	68	35	38	3
JPAC356	64	68	4	1421	319	667	70	237	33	6.8	19	2	9.2	1.5	4.1	0.6	3.1	0.4	50	31	34	3
JPAC356	68	72	4	1393	320	639	68	243	32	6.8	18	2	9.7	1.6	3.6	0.5	2.7	0.4	46	28	32	3
JPAC357	12	16	4	313	92	117	15	48	8	1.6	5	0.6	3.5	0.6	1.6	0.3	1.7	0.3	18	55	23	4
JPAC357	16	20	4	1152	301	522	55	179	24	4.7	13	1.7	8.2	1.4	3.2	0.5	2.4	0.4	36	72	28	3
JPAC357	20	24	4	517	148	192	28	98	13	2.6	8	0.9	4.4	0.7	1.6	0.2	1.2	0.1	19	46	31	2
JPAC357	24	28	4	359	105	177	15	45	5	1.4	2	0.2	1.2	0.3	0.4	0.1	0.5	0.1	6	30	27	1
JPAC357	28	32	4	860	191	452	38	121	16	3.4	9	1	5.1	0.8	1.8	0.2	1.2	0.2	21	30	35	1
JPAC357	32	36	4	1385	296	679	66	225	31	6.1	17	2	10	1.6	3.7	0.5	3	0.4	44	40	37	2
JPAC357	36	40	4	868	179	397	39	135	19	4.6	13	1.8	9.7	1.8	5	0.7	4.9	0.9	56	27	28	1
JPAC357	40	44	4	619	124	296	28	102	15	3	9	1.2	5.4	1	2.4	0.4	2.5	0.4	29	22	12	1
JPAC358	20	24	4	812	214	386	35	113	16	3.3	9	1.2	5.6	0.9	2.3	0.2	1.4	0.2	24	50	43	2
JPAC358	24	28	4	509	165	187	27	88	11	2.7	5	0.6	3	0.5	1.4	0.2	1.1	0.2	16	39	27	1
JPAC358	28	32	4	614	208	166	40	132	19	3.9	10	1.2	6	0.8	2	0.2	1.5	0.2	24	47	35	2
JPAC358	32	36	4	1111	337	330	70	241	35	6.3	21	2.5	12.3	1.8	4	0.4	2.2	0.3	46	49	33	3
JPAC358	36	40	4	1240	280	529	65	229	37	6.1	21	2.4	12.3	1.9	4.4	0.5	3	0.4	49	44	25	5
JPAC358	40	44	4	2696	426	1413	122	464	75	14	43	5.2	24.9	3.8	8	1	5.6	0.8	91	38	24	5
JPAC358	44	48	4	1734	270	846	79	311	52	10	34	4	20.3	3.2	7.9	1	6.5	0.9	88	37	22	4
JPAC358	48	52	4	1460	245	663	71	279	46	9.1	29	3.5	16.6	2.7	6.8	0.9	6.5	0.9	79	35	19	5
JPAC358	52	56	4	1277	207	516	62	252	42	9	29	3.7	19.6	3.4	9.1	1.2	7.4	1.2	115	30	13	4
JPAC358	56	60	4	1321	250	572	66	255	41	8	24	3.1	15.1	2.6	5.9	0.8	4.5	0.7	72	31	23	4
JPAC358	60	63	3	1084	189	459	56	216	36	7.4	23	2.8	14.3	2.2	5.8	0.8	4.3	0.7	68	29	16	3
JPAC359	24	28	4	1441	341	684	66	227	34	6.9	20	2.4	11.9	1.8	3.6	0.5	2.4	0.3	40	50	38	2
JPAC359	28	32	4	1916	375	891	96	350	56	10.1	31	3.8	18.2	2.8	5.9	0.7	3.3	0.4	72	51	27	4
JPAC359	32	36	4	3494	537	1953	144	540	87	16.7	53	6.6	32.3	4.8	10.1	1.2	5.7	0.6	103	39	23	3
JPAC359	36	40	4	1657	278	844	77	290	45	9	28	3.4	15.8	2.4	5	0.6	3.4	0.5	55	41	23	4
JPAC359	40	44	4	1843	251	914	87	360	63	12	36	4.3	20	3	7	0.9	6.2	0.8	79	36	27	6
JPAC359	44	48	4	1538	222	717	72	285	50	10.4	31	4.1	21.1	3.6	9.7	1.3	8.8	1.5	101	39	23	4
JPAC359	48	52	4	1151	198	477	58	221	36	7.6	24	3.1	14.9	2.8	7.6	1.1	6.4	1.1	94	32	20	3
JPAC360	28	32	4	690	247	223	39	118	16	3.4	9	1.1	4.9	0.9	2.2	0.3	2.1	0.3	22	52	42	4
JPAC360	32	36	4	2239	550	892	123	418	62	13.4	40	4.9	22	3.6	8.3	1	5.2	0.6	95	73	47	5
JPAC360	36	39	3	1610	305	791	80	274	43	9	26	3	14.1	2.2	4.7	0.6	2.9	0.3	55	41	27	4
JPAC361	28	32	4	339	106	143	16	45	6	1.4	4	0.6	2.4	0.5	1.2	0.2	1.4	0.2	13	62	54	4
JPAC361	32	36	4	1265	352	434	75	252	37	8	23	2.9	12.7	2.1	5.1	0.6	3.6	0.5	57	60	49	3
JPAC361	36	40	4	1537	405	523	93	308	47	10.8	31	3.9	17.6	2.8	6.7	0.8	4.3	0.6	84	72	42	4
JPAC361	40	44	4	1734	312	768	93	344	53	11.6	34	4	19.2	3.1	7.3	0.9	4.3	0.5	80	51	27	3

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC361	44	48	4	1827	307	856	89	332	53	10.5	33	4.2	21.1	3.7	9.2	1.3	7.5	1	98	44	35	5
JPAC361	48	52	4	684	135	289	34	123	19	4.6	12	1.4	6.9	1.4	4	0.6	4.2	0.7	49	30	18	2
JPAC361	52	56	4	1245	213	537	64	246	42	8.8	26	3.1	14.7	2.6	6.6	1	5.7	0.9	75	33	24	5
JPAC361	56	57	1	1782	244	779	93	376	71	15.6	41	5.1	24.1	3.9	9.5	1.3	7.5	1.1	110	29	22	5
JPAC362	24	28	4	564	97	354	18	56	9	2	5	0.7	4.1	0.7	1.6	0.3	1.5	0.2	15	67	46	8
JPAC362	28	32	4	1241	262	537	72	259	40	7.1	18	2	9.4	1.3	2.8	0.3	2.5	0.3	29	58	38	5
JPAC362	32	36	4	2036	457	753	132	472	74	13.6	36	4	18	2.5	5.7	0.7	3.8	0.4	64	55	37	4
JPAC362	36	40	4	1470	375	499	94	310	49	10.2	28	3.6	17	2.6	6.2	0.8	4.1	0.5	71	60	39	5
JPAC362	40	44	4	1853	442	655	124	409	56	10.7	31	3.7	18	3	7	0.8	4.3	0.5	89	49	24	3
JPAC362	44	48	4	2529	437	1067	149	575	91	17.3	47	5.1	24.2	3.7	8	1	5.6	0.8	97	51	31	5
JPAC362	48	52	4	2832	468	1201	158	614	103	20.1	60	7.1	34.4	5.4	12.7	1.7	9.4	1.3	137	48	29	6
JPAC362	52	56	4	1700	274	737	88	344	59	11.7	36	4.4	21.6	3.6	9.1	1.3	7.8	1.2	102	54	30	6
JPAC362	56	60	4	1991	358	778	114	441	75	15.2	44	5.2	25.5	4.1	10	1.5	9.2	1.3	110	43	25	6
JPAC362	60	64	4	1329	220	552	69	264	46	9.4	29	3.6	18.7	3.3	8.4	1.3	7.7	1.2	96	34	26	5
JPAC362	64	68	4	1421	247	601	75	285	48	9.9	30	3.6	19.1	3	7.5	1	6	0.9	85	36	27	4
JPAC363	24	28	4	405	123	176	19	54	8	1.5	5	0.6	3	0.5	1.5	0.2	1.4	0.2	13	61	36	5
JPAC363	28	32	4	1400	339	534	84	288	44	8.8	25	2.9	13.6	2.1	4.5	0.6	3.4	0.5	50	50	32	5
JPAC363	32	36	4	1620	341	579	106	388	58	11.3	32	3.8	17.6	2.8	6.1	0.7	3.9	0.4	70	63	47	5
JPAC363	36	40	4	2179	430	872	130	476	76	14.8	42	4.9	23.6	3.5	7.2	0.9	4.3	0.5	93	60	34	5
JPAC363	40	44	4	1766	324	779	98	357	55	10.8	31	3.8	18.7	2.6	6	0.6	3.6	0.4	77	49	25	5
JPAC363	44	48	4	1189	231	463	69	258	41	8.3	25	3	14.4	2.2	5.4	0.6	3.6	0.4	64	41	27	5
JPAC364	4	8	4	314	52	162	13	44	8	1.5	5	0.7	4.3	0.8	2.2	0.3	1.9	0.3	20	24	22	2
JPAC364	8	12	4	1958	364	889	109	393	60	12.2	34	4	18.8	2.7	5.6	0.7	3.3	0.4	61	50	32	4
JPAC364	12	16	4	3310	543	1456	189	723	125	24	69	8.2	37.8	5.3	10.5	1.2	5.8	0.5	113	57	42	4
JPAC364	16	20	4	2306	349	980	136	500	88	19.1	57	7	34.7	5.5	10.9	1.1	5.3	0.6	113	42	32	3
JPAC364	20	24	4	2234	347	961	129	469	75	17.4	55	6.7	33.4	5.2	11.3	1.3	6.3	0.6	117	41	35	3
JPAC364	24	28	4	2122	358	905	119	443	72	14	44	5.3	26.3	4	9.3	1.1	6.1	0.7	115	43	35	3
JPAC364	28	32	4	2364	365	1018	130	498	74	16.8	54	6.8	33.2	5	12.2	1.6	9.7	1.3	139	47	33	4
JPAC364	32	36	4	1248	174	479	67	280	46	9.5	29	3.6	21.2	4.1	10.9	1.5	8.7	1	115	24	16	3
JPAC364	36	40	4	1309	202	515	69	280	49	10.3	29	3.6	19.2	3.4	9	1.2	7.9	1.1	109	33	21	5
JPAC364	40	44	4	1885	351	818	94	357	60	13.3	41	5	24.1	3.8	8.9	1.1	6	0.8	102	47	26	7
JPAC364	44	48	4	2103	323	903	107	409	69	14.5	46	6.2	33.9	5.6	13.9	1.8	10.1	1.3	160	47	31	7
JPAC364	48	52	4	1996	289	841	103	402	69	14.4	45	5.9	32.6	5.8	14.4	1.9	11	1.4	159	46	31	6
JPAC364	52	56	4	2070	321	868	103	384	62	13.5	45	5.8	32.6	6.3	16.2	2.4	14.9	2.2	194	38	30	5
JPAC364	56	60	4	1364	214	532	67	264	47	10.6	33	4.4	23.3	4.2	11.3	1.9	11.3	2	140	32	19	4
JPAC364	60	63	3	1003	178	392	50	199	33	7	23	2.8	13.3	2.5	7.2	0.9	5.6	0.8	88	25	15	4
JPAC365	36	40	4	1142	335	451	60	191	26	4.9	16	1.7	8.6	1.4	3.5	0.5	3.4	0.4	40	36	29	4
JPAC365	40	44	4	1022	232	463	50	176	24	4.6	16	2	8.7	1.5	3.5	0.4	2.5	0.3	38	35	24	2
JPAC365	44	48	4	1022	222	480	49	179	25	4.9	14	1.6	7.2	1	2.7	0.4	2.6	0.3	33	35	20	3

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JPAC365	48	52	4	1608	297	681	83	338	51	10.5	33	3.6	17	2.7	6.9	0.9	5.5	0.6	78	30	20	4
JPAC365	52	56	4	1285	253	521	64	247	39	7.2	26	3.2	15.2	3	7.6	1	6.3	0.9	91	29	21	4
JPAC365	56	60	4	1069	212	439	54	206	31	6.4	22	2.6	12.5	2.3	6.3	0.8	4.8	0.6	69	29	18	4
JPAC365	60	64	4	1049	192	425	55	212	37	6.4	24	2.7	12.5	2.3	5.9	0.8	4.6	0.6	68	31	15	6
JPAC365	64	68	4	232	59	97	10	39	6	2.4	3	0.4	2.1	0.3	1.1	0.1	0.9	0.2	11	28	7	2
JPAC366	28	32	4	400	121	138	22	74	10	2.4	7	0.7	3.3	0.6	1.7	0.2	1.5	0.3	18	48	40	2
JPAC366	32	36	4	2412	623	1017	127	437	54	11.4	33	3.6	16	2.7	6.4	0.8	4.7	0.6	75	60	55	3
JPAC366	36	40	4	1859	498	700	101	362	50	10	31	3.4	14.8	2.6	6.2	0.8	4.2	0.5	75	47	39	3
JPAC366	40	44	4	1706	371	679	96	356	54	10.9	33	3.9	17.7	2.7	6.8	0.8	4.3	0.5	70	40	25	3
JPAC366	44	48	4	1967	391	891	96	356	57	11.8	35	3.9	18.4	3.2	8.2	1	6.3	0.8	90	42	34	4
JPAC366	48	52	4	1609	328	779	68	248	35	7.4	23	2.7	12.6	2.3	6.8	0.9	6.3	1	87	41	42	3
JPAC366	52	56	4	1997	504	905	98	327	43	8.4	23	2.5	11.2	2	5.7	0.7	5.1	0.8	61	37	41	3
JPAC366	56	60	4	1824	475	715	102	366	45	9.2	25	2.7	12.4	2	5.5	0.7	4.6	0.6	60	33	38	3
JPAC366	60	64	4	1797	400	765	90	332	42	9.1	30	3.4	16	2.8	7.7	1	6.5	0.8	91	32	36	3
JPAC366	64	65	1	1198	280	522	57	210	29	5.8	17	1.9	8.7	1.8	4.8	0.6	3.8	0.6	55	27	32	4
JPAC367	24	28	4	1135	319	316	75	248	35	12.6	20	2.5	12.5	2.3	6.1	0.9	5.2	0.6	81	48	24	2
JPAC367	28	32	4	579	121	239	27	99	16	6.3	10	1.4	6.5	1.4	3.6	0.5	3.2	0.5	43	56	17	2
JPAC367	32	36	4	354	79	163	16	51	8	2.6	6	0.7	3.6	0.7	1.7	0.2	1.2	0.2	21	51	23	3
JPAC367	36	40	4	510	112	212	28	94	14	3.9	9	1.1	5.2	0.9	2	0.3	1.6	0.2	26	52	26	3
JPAC367	40	44	4	1058	161	513	47	178	27	8.2	18	2.4	11.9	2.4	6.5	0.9	5.7	0.8	76	40	16	3
JPAC367	44	48	4	1437	201	677	65	267	47	11.4	31	3.8	18.1	3.3	8.3	1.2	8.3	1.5	94	35	24	6
JPAC367	48	50	2	699	91	319	29	122	24	6.6	18	2.5	11.3	2.2	5.7	0.7	4.7	0.7	61	29	13	4
JPAC368	8	12	4	577	111	263	30	104	16	3.4	10	1.2	5.4	1	2.4	0.3	1.9	0.3	27	28	18	2
JPAC368	12	16	4	1657	289	787	84	295	44	9.7	28	3.6	16	2.7	6.6	0.9	4.7	0.6	86	44	25	2
JPAC368	16	20	4	1803	365	817	100	332	48	9.7	28	3.3	15.6	2.4	5.8	0.6	3.5	0.4	72	44	25	2
JPAC368	20	24	4	2151	449	958	125	409	58	11.3	31	3.9	17.6	2.8	6.3	0.7	4	0.5	74	47	38	4
JPAC368	24	28	4	1960	452	845	107	370	48	8.5	27	3.1	14.5	2.3	6.2	0.8	4.4	0.5	71	44	45	6
JPAC368	28	32	4	1353	305	563	72	255	38	7.7	24	2.7	12.4	2.3	5.1	0.6	3.9	0.4	61	41	32	6
JPAC368	32	36	4	1697	342	685	98	357	53	11.2	33	3.6	17.2	2.8	7	0.9	4.8	0.6	81	45	25	6
JPAC368	36	40	4	1765	312	698	92	388	68	14.6	43	5.4	23.3	3.8	9.3	1.1	7.1	1	100	46	31	7
JPAC368	40	44	4	1617	278	630	76	322	55	12	42	5.1	23.6	4.6	12.4	1.6	9	1.1	145	47	25	6
JPAC368	44	48	4	2491	434	884	124	518	88	19.3	74	9.2	45.3	8.2	22	3	17.3	1.9	243	47	28	7
JPAC368	48	52	4	2375	342	840	119	532	104	22.4	81	9.9	45.1	8.2	21.4	2.8	18.7	2.4	227	41	25	8
JPAC368	52	54	2	1391	228	517	65	250	43	9.9	38	5	25.6	5.2	14.8	2.1	14.6	2.2	172	36	22	5
JPAC370	20	24	4	811	226	306	41	145	21	3.9	13	1.6	7.3	1.3	3.6	0.4	2.7	0.3	39	58	36	2
JPAC370	24	28	4	1037	312	425	51	165	20	4.4	12	1.3	6.2	1.1	2.9	0.4	2.2	0.3	34	53	36	2
JPAC370	28	32	4	482	133	193	26	86	12	2.4	7	0.7	3.6	0.6	1.4	0.2	1.2	0.1	17	40	25	2
JPAC370	32	36	4	1085	223	511	55	196	27	5.1	16	1.7	8	1.3	3.2	0.4	2.7	0.3	36	43	32	2
JPAC370	36	40	4	693	158	328	34	115	15	3.8	10	1	5.1	0.7	1.6	0.2	1.6	0.2	19	50	23	2

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC370	40	44	4	788	177	370	38	124	15	4.9	9	1.1	5.6	1.1	2.8	0.4	2.7	0.3	37	48	22	2
JPAC370	44	48	4	837	143	414	40	164	22	6.3	11	1.1	5.1	0.8	2.5	0.4	2.4	0.4	26	43	17	2
JPAC370	48	52	4	1106	265	507	45	152	21	6.6	18	2	10.7	1.9	5.1	0.7	4.4	0.7	66	38	31	2
JPAC370	52	56	4	1341	226	574	69	250	42	9	29	3.6	18.2	3.3	8.5	1.2	6.8	1.2	101	39	22	4
JPAC370	56	59	3	934	155	386	45	171	27	6.6	20	2.7	13.3	2.6	6.7	1.1	6.3	1	91	33	16	3
JPAC371	8	12	4	314	74	131	15	49	8	1.7	5	0.7	3.9	0.8	1.8	0.2	1.5	0.2	21	31	24	2
JPAC371	12	16	4	1052	280	432	52	180	25	5.2	15	1.7	8.7	1.4	3.8	0.5	2.8	0.4	45	60	36	2
JPAC371	16	20	4	1752	332	823	85	316	49	9.7	27	3.3	16.3	2.6	6.7	0.8	4.1	0.5	77	56	32	2
JPAC371	20	24	4	1742	345	814	92	322	46	9.2	26	3	14.3	2.2	4.9	0.5	2.7	0.3	61	44	26	2
JPAC371	24	28	4	1894	434	861	105	338	43	8.9	26	2.9	13.7	1.9	4	0.5	2.8	0.4	52	47	28	4
JPAC371	28	32	4	2229	449	946	123	442	66	14	43	4.7	24.3	3.6	8.7	1	5.3	0.6	99	45	26	5
JPAC371	32	36	4	2081	386	860	110	415	61	13.3	40	4.8	24.6	4.3	10.5	1.5	8.5	0.9	142	44	24	6
JPAC371	36	40	4	1780	318	795	94	355	52	11.2	33	3.8	18.7	3	7.1	0.9	5.6	0.6	84	43	24	6
JPAC371	40	44	4	1597	272	749	73	276	45	10.2	33	3.7	19.1	3.1	8.4	1.1	7	0.9	96	47	28	5
JPAC371	44	48	4	1343	217	644	63	243	38	7.9	23	2.6	14.6	2.4	6.7	0.9	5.9	0.9	74	41	18	3
JPAC371	48	52	4	1767	318	747	96	379	58	12.6	35	4.1	20	3	7.7	0.9	5.9	0.8	79	40	23	4
JPAC371	52	56	4	1409	254	580	76	302	49	10.6	31	3.5	17.7	2.6	6	0.8	4.7	0.7	70	38	16	3
JPAC371	56	60	4	1269	225	545	66	261	40	9	27	3.2	15.7	2.4	5.9	0.7	4.5	0.6	64	37	17	4
JPAC371	60	64	4	1179	220	511	61	236	38	7.4	22	2.7	13	2.1	5.2	0.7	3.7	0.5	55	34	17	4
JPAC371	64	66	2	1225	226	525	61	239	38	8	24	2.9	14.5	2.5	6.5	0.8	4.7	0.8	72	32	19	4
JPAC372	8	12	4	367	84	152	18	63	9	2.2	6	0.8	3.8	0.7	1.8	0.3	1.5	0.3	25	36	15	2
JPAC372	12	16	4	797	124	447	31	106	17	5.6	11	1.4	7.3	1.3	3.6	0.4	2.8	0.3	40	47	15	2
JPAC372	16	20	4	633	114	279	28	107	19	6.2	13	1.8	8.5	1.5	4.2	0.6	3.3	0.5	47	35	18	2
JPAC372	20	24	4	419	118	162	24	73	10	3.5	6	0.7	3.2	0.5	1.4	0.2	1.2	0.2	16	42	16	2
JPAC372	24	28	4	165	43	78	7	21	4	1.7	2	0.3	1.4	0.3	0.7	0.1	0.6	0.1	6	41	14	2
JPAC372	28	32	4	358	91	188	13	43	5	2.2	3	0.4	2	0.3	1.1	0.2	1	0.2	9	46	19	2
JPAC372	32	36	4	2048	441	903	111	394	50	12.4	31	3.5	16.9	2.6	6.5	0.8	4.1	0.5	71	45	25	5
JPAC372	36	40	4	1330	233	611	72	271	42	8.6	23	2.6	12.7	1.9	4.5	0.6	3.5	0.4	45	43	26	5
JPAC372	40	44	4	2571	433	1126	143	567	85	17.1	52	5.7	25.9	3.8	9	1	7.2	0.8	95	39	22	5
JPAC372	44	48	4	918	111	366	46	206	37	9	24	2.7	14.7	2.4	6.8	1	6.2	0.9	86	32	13	3
JPAC373	16	20	4	59	16	23	3	9	1	0.4	1	0.2	0.9	0.2	0.7	0.1	0.9	0.1	4	44	7	1
JPAC373	20	24	4	73	19	33	3	7	1	0.3	1	0.2	1.4	0.3	0.9	0.2	1.3	0.2	6	43	7	1
JPAC373	24	28	4	77	18	32	3	10	2	0.5	1	0.3	1.5	0.3	0.8	0.2	1	0.1	6	41	6	1
JPAC373	28	32	4	197	35	90	9	34	6	1.5	4	0.6	2.7	0.5	1.2	0.2	1.3	0.1	12	35	6	2
JPAC373	32	36	4	963	218	501	44	141	16	3.7	9	1.1	5.2	0.9	2.2	0.3	1.9	0.2	19	33	5	2
JPAC373	36	40	4	1517	72	296	44	237	60	18.8	80	13.6	83.6	16.7	48.7	6.2	35.5	5.3	500	33	4	3
JPAC373	40	44	4	543	16	51	9	63	25	8.9	37	5.7	33.6	6.5	18.9	2.4	14.6	2	250	30	3	2
JPAC373	44	45	1	155	17	39	5	23	6	1.8	7	1.1	6.5	1.3	3.4	0.4	2.7	0.4	41	27	3	1
JPAC374	8	12	4	455	93	195	23	85	12	2.5	9	1	5.5	0.8	2.2	0.3	1.7	0.3	24	33	20	2

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JPAC374	12	16	4	1355	256	618	72	268	39	8	25	2.8	13.3	1.9	4.1	0.5	2.6	0.3	45	48	26	2
JPAC374	16	20	4	1924	362	893	102	384	56	11.4	33	3.5	16.8	2.3	5.1	0.6	3.5	0.4	51	47	33	3
JPAC374	20	24	4	1623	308	749	83	310	47	9.6	27	3.2	14.3	2.2	5.6	0.7	4.1	0.5	58	46	36	3
JPAC374	24	28	4	1185	211	513	57	230	36	8.3	24	2.8	14	2.4	6.2	0.8	6.1	0.9	73	38	19	3
JPAC374	28	32	4	1624	292	715	84	342	51	10.1	30	3.2	15.4	2.4	5.7	0.7	5.7	0.8	67	34	21	4
JPAC374	32	36	4	1702	215	521	68	295	57	16.7	60	8.4	50.4	9.7	27.8	4.1	28.6	3.8	338	30	16	5
JPAC374	36	40	4	1317	206	493	59	237	43	10.8	37	4.4	25.6	4.8	13.1	1.8	11.7	1.9	169	31	17	5
JPAC374	40	42	2	861	152	353	41	161	25	6.4	20	2.5	12.2	2.1	5.5	0.8	5.2	0.6	75	24	13	3
JPAC375	8	12	4	1025	157	550	42	163	26	5.1	16	1.9	9.8	1.7	4.1	0.5	3.4	0.4	44	33	19	2
JPAC375	12	16	4	1474	280	738	73	269	36	6.8	17	1.8	8.1	1.4	3.7	0.5	3	0.4	35	30	16	3
JPAC375	16	19	3	920	147	355	43	170	31	6.8	24	3.2	17.3	3.2	8.7	1.1	7	0.9	103	27	14	3
JPAC376	8	12	4	586	119	248	30	113	17	3.2	10	1.2	6.2	1.1	2.9	0.3	2.2	0.3	31	25	19	2
JPAC377	8	9	1	316	68	121	16	59	10	1.7	6	0.8	4.7	0.7	2.2	0.3	1.9	0.3	25	27	22	2
JPAC378	8	12	4	628	171	319	28	80	8	1.6	3	0.4	2	0.3	0.9	0.1	0.8	0.1	12	26	26	1
JPAC378	12	16	4	427	86	244	17	52	6	2	4	0.4	2.7	0.4	1	0.1	0.7	0.1	12	31	12	1
JPAC378	16	20	4	784	192	402	35	113	14	3.1	7	0.7	3.6	0.5	1.3	0.1	1	0.1	12	37	28	2
JPAC378	20	24	4	803	240	348	40	125	14	2.5	8	0.8	3.9	0.7	1.4	0.2	1.2	0.1	19	34	35	2
JPAC378	24	28	4	863	227	389	43	139	17	3.1	10	1.1	5.7	0.9	2.3	0.2	1.3	0.2	24	32	34	2
JPAC378	28	32	4	869	198	403	41	141	19	3.9	12	1.4	7.2	1.2	3.1	0.4	2.4	0.3	35	26	30	2
JPAC378	32	36	4	1059	207	498	57	208	26	5.1	14	1.5	7.3	1.1	2.6	0.3	2.3	0.3	29	27	27	3
JPAC378	36	38	2	840	157	364	46	180	26	4.9	14	1.6	7.7	1.2	2.9	0.3	2.3	0.3	34	25	23	3
JPAC379	8	12	4	482	106	186	24	93	13	3	9	1.1	6.5	1.1	2.7	0.4	2.7	0.3	34	33	19	2
JPAC379	12	16	4	1390	327	537	75	272	42	8.8	27	3	15.1	2.4	5.9	0.8	4.8	0.7	70	48	29	3
JPAC379	16	20	4	1940	402	940	91	315	50	9.8	30	3.4	16.1	2.5	6.5	0.7	4	0.4	69	42	34	3
JPAC379	20	24	4	1809	373	846	93	314	46	8.6	26	2.7	13.7	2.1	6	0.7	4.2	0.6	73	41	29	3
JPAC379	24	28	4	1608	285	747	84	309	48	9	28	3	13.8	2.1	5.9	0.8	4.9	0.9	68	38	25	3
JPAC379	28	32	4	1637	279	861	81	289	40	6.8	20	1.9	8.9	1.3	3.4	0.5	2.9	0.5	41	29	18	6
JPAC379	32	36	4	1222	178	474	58	236	43	8.9	33	4.2	21.7	3.8	10.6	1.4	8.1	1.3	141	26	17	4
JPAC379	36	40	4	936	165	383	46	176	29	6.4	22	2.5	12.9	2.3	5.8	0.8	4.6	0.7	78	26	16	4
JPAC380	4	8	4	351	72	151	16	58	9	1.9	6	0.8	4.7	0.8	2.5	0.3	2.1	0.3	26	28	21	2
JPAC380	8	12	4	657	130	300	38	138	17	2.8	7	0.8	3.3	0.5	1.5	0.2	1.5	0.2	18	30	19	4
JPAC380	12	16	4	1000	185	470	57	212	28	4.8	12	1.1	4.4	0.7	1.9	0.2	1.8	0.2	21	30	16	4
JPAC380	16	20	4	1001	155	387	50	208	36	8	25	3.3	16.6	3	8.1	0.9	5.4	0.7	95	26	14	4
JPAC380	20	24	4	968	168	410	49	193	32	6.3	21	2.5	12.5	2	5.2	0.6	3.7	0.5	62	27	15	3
JPAC380	24	26	2	833	137	350	41	165	29	6	19	2.3	11.5	1.9	5.5	0.6	3.8	0.5	61	24	13	4
JPAC381	8	12	4	206	59	68	11	35	5	1	4	0.5	2.7	0.5	1.5	0.2	1.4	0.2	17	28	21	2
JPAC381	12	16	4	399	128	179	17	48	6	1.5	4	0.5	2.1	0.3	1	0.1	0.7	0.1	11	33	32	1
JPAC381	16	20	4	502	144	276	18	47	5	1.1	3	0.3	1.5	0.3	0.6	0.1	0.6	0.1	6	29	37	1
JPAC381	20	24	4	806	202	440	30	87	10	2.3	6	0.8	3.9	0.7	1.9	0.2	1.4	0.2	20	36	40	2

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JPAC381	24	28	4	1848	400	785	101	359	54	10.5	30	3.9	18.1	3	7.4	0.9	4.7	0.6	70	46	46	4
JPAC381	28	32	4	1440	257	806	62	205	28	5	16	2	8.7	1.5	3.7	0.5	3	0.5	41	42	51	3
JPAC381	32	36	4	992	168	486	49	184	29	5.8	15	2	9	1.5	3.9	0.5	3.2	0.5	36	29	35	1
JPAC381	36	38	2	551	125	274	25	83	11	2.2	6	0.7	3.1	0.6	1.7	0.2	1.6	0.2	16	23	24	1
JPAC382	4	8	4	313	63	134	15	52	9	1.7	6	0.7	4.6	0.9	2.6	0.3	1.9	0.3	22	27	22	2
JPAC382	8	12	4	2558	310	1800	83	264	33	5.5	15	1.7	7.3	1.2	2.9	0.4	2.3	0.3	33	30	25	2
JPAC382	12	16	4	1624	284	894	68	241	34	7.6	21	2.6	11.8	2	4.6	0.5	3.1	0.5	49	44	35	3
JPAC382	16	20	4	928	192	499	40	134	16	4.5	9	1.1	5.1	0.8	2	0.3	1.7	0.3	24	40	30	2
JPAC382	20	24	4	1187	183	730	45	154	22	5.9	10	1.2	5.5	0.9	2.5	0.4	2.5	0.4	25	35	26	2
JPAC382	24	28	4	829	154	442	36	128	16	4.8	9	1.1	4.9	0.9	2.2	0.4	2.1	0.4	29	34	31	2
JPAC382	28	32	4	509	88	268	23	82	11	4	6	0.8	3.5	0.6	1.8	0.3	1.7	0.3	19	31	21	2
JPAC382	32	33	1	771	142	424	35	126	16	3.9	7	0.7	2.8	0.4	1	0.1	0.9	0.2	11	28	22	2
JPAC383	4	8	4	271	55	132	12	37	6	1.3	4	0.5	3.2	0.6	1.8	0.3	1.8	0.3	17	27	23	2
JPAC383	8	12	4	597	116	249	30	110	17	3.9	11	1.6	7.1	1.3	3.5	0.5	2.8	0.4	43	32	23	3
JPAC383	12	16	4	1284	244	646	61	212	32	7.2	19	2.3	10.5	1.6	3.5	0.5	2.6	0.4	43	46	20	2
JPAC383	16	20	4	787	169	349	42	149	24	5.1	13	1.7	7.5	1	2.3	0.3	1.8	0.3	23	42	23	2
JPAC383	20	24	4	1458	286	744	73	248	35	7.9	18	2.1	9.2	1.2	2.9	0.4	2.2	0.3	27	36	24	3
JPAC383	24	28	4	1404	242	654	79	293	41	8.5	22	2.6	11.2	1.8	4	0.6	4	0.6	41	31	19	3
JPAC383	28	32	4	1262	185	510	68	278	43	9.6	27	3	15.4	2.8	7.8	1.2	8.8	1.4	103	27	17	3
JPAC383	32	36	4	874	127	318	42	164	30	7.2	24	3.3	17.7	3.3	8.9	1.2	6.9	1	120	25	14	2
JPAC383	36	38	2	948	160	397	49	186	30	6.8	20	2.5	12.3	2.2	5.5	0.7	4.2	0.6	73	26	18	3
JPAC384	12	16	4	330	111	109	16	54	7	2.5	5	0.7	3.5	0.6	1.5	0.3	1.3	0.3	18	38	15	2
JPAC384	16	20	4	366	123	139	18	51	7	2.6	4	0.6	2.7	0.5	1.4	0.2	1.3	0.2	15	39	31	2
JPAC384	20	24	4	443	139	178	22	66	8	3.1	5	0.6	3	0.6	1.3	0.2	1.5	0.2	15	35	26	2
JPAC384	24	28	4	388	105	176	19	57	8	2.1	4	0.5	2.2	0.4	1.3	0.2	1.2	0.2	13	26	23	1
JPAC384	28	32	4	581	127	275	27	91	12	3	8	0.9	4.6	0.8	2.1	0.3	2.1	0.4	27	23	26	1
JPAC384	32	35	3	1749	289	839	90	327	48	9.5	28	3.3	15.2	2.6	6.3	0.9	5	0.8	86	27	27	4
JPAC385	8	12	4	244	53	103	12	40	6	1.2	4	0.5	3	0.5	1.6	0.2	1.2	0.2	17	24	17	2
JPAC385	12	16	4	903	205	407	44	150	23	4.1	13	1.7	8	1.4	3.2	0.4	2.5	0.4	39	35	35	2
JPAC385	16	20	4	439	116	222	18	54	7	1.8	4	0.5	2.4	0.4	1	0.1	0.8	0.1	12	31	36	2
JPAC385	20	24	4	385	122	182	17	45	5	1.5	2	0.3	1.5	0.2	0.6	0.1	0.6	0.1	7	28	35	1
JPAC385	24	28	4	290	84	149	11	31	4	1.2	2	0.2	1.1	0.2	0.5	0.1	0.4	0.1	5	28	31	1
JPAC385	28	32	4	296	90	138	14	39	4	1.6	2	0.3	1	0.2	0.5	0.1	0.5	0.1	5	27	31	1
JPAC385	32	36	4	381	109	191	16	44	5	1.5	3	0.4	1.7	0.3	0.7	0.1	0.7	0.1	9	31	39	2
JPAC385	36	40	4	426	130	175	23	67	8	1.9	4	0.5	2.4	0.4	0.9	0.1	0.9	0.1	12	31	35	2
JPAC385	40	44	4	1186	317	397	79	273	38	6.3	19	2.2	9.5	1.5	3.3	0.5	3	0.4	38	39	45	3
JPAC385	44	48	4	1252	342	472	73	250	35	6.4	17	2	8.9	1.4	3.3	0.4	3	0.5	38	31	47	3
JPAC385	48	52	4	858	182	423	37	135	19	4.2	13	1.4	6.5	1.1	2.8	0.4	2.3	0.4	31	27	32	2
JPAC385	52	53	1	376	83	163	15	50	6	1.5	6	0.8	4.3	0.9	2.5	0.4	2.6	0.4	39	25	31	2

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC386	12	16	4	260	97	72	16	49	6	1.3	4	0.4	2	0.3	0.8	0.1	0.6	0.1	11	35	20	1
JPAC386	16	20	4	365	127	95	25	78	10	2.1	6	0.7	3.2	0.5	1.2	0.1	0.8	0.1	16	32	29	1
JPAC386	20	24	4	317	93	156	13	38	4	1.1	2	0.3	1.5	0.2	0.5	0.1	0.4	0.1	7	28	35	1
JPAC386	24	28	4	494	163	235	22	56	5	1.4	3	0.3	1.4	0.2	0.5	0.1	0.4	0.1	5	31	30	1
JPAC386	28	32	4	799	278	311	42	120	13	2.8	8	0.8	4	0.6	1.5	0.2	0.9	0.1	18	31	33	1
JPAC386	32	36	4	666	184	290	33	100	14	2.8	8	1	4.7	0.8	1.9	0.3	1.4	0.2	26	32	38	2
JPAC386	36	40	4	1081	236	576	45	144	20	4.3	12	1.4	6.5	1	2.3	0.3	1.8	0.2	31	33	43	2
JPAC386	40	44	4	1847	375	920	91	299	43	8.1	21	2.8	13.1	2.2	5.4	0.7	4.5	0.7	61	44	43	6
JPAC386	44	48	4	1298	285	518	75	267	41	7.7	21	2.5	11.8	2	4.8	0.7	4.2	0.6	58	44	41	4
JPAC386	48	52	4	1361	337	641	65	215	27	6.5	15	1.7	8	1.3	3.3	0.5	2.9	0.5	37	47	67	4
JPAC386	52	56	4	823	209	355	41	139	18	5.2	10	1.2	5.9	1	2.8	0.4	2.7	0.5	32	41	39	4
JPAC386	56	60	4	835	184	381	40	139	20	5	12	1.5	6.8	1.2	3.2	0.5	2.8	0.4	39	40	37	4
JPAC386	60	64	4	636	140	285	30	107	16	4.6	10	1.2	6	1	2.6	0.4	2.1	0.3	32	38	26	3
JPAC386	64	68	4	660	158	312	30	96	13	4.1	8	0.9	4.7	0.8	2.1	0.3	1.7	0.3	29	37	28	3
JPAC386	68	72	4	672	139	314	32	111	18	3.4	10	1.4	6.1	1	2.8	0.4	2.3	0.3	31	41	28	3
JPAC386	73	76	3	1141	229	470	57	215	32	6.4	21	2.6	12.6	2.2	6	0.9	5.1	0.8	81	32	41	5
JPAC386	76	78	2	962	177	382	46	178	27	6	19	2.4	12.1	2.2	6.5	1	5.8	0.9	97	26	57	4
JPAC387	4	8	4	397	86	164	19	65	10	1.9	7	0.9	4.8	1	2.6	0.4	2.4	0.3	33	29	25	2
JPAC387	8	12	4	562	123	236	29	105	15	3.3	9	1.1	5.6	0.9	2.4	0.3	1.9	0.3	30	32	26	3
JPAC387	12	16	4	1826	365	800	96	365	54	11	33	3.6	15.7	2.5	5.4	0.6	3.4	0.5	72	49	30	3
JPAC387	16	20	4	2668	479	1177	135	549	85	17	51	5.7	25.7	4	9	1.1	5.8	0.8	123	47	31	4
JPAC387	20	24	4	2049	339	854	101	426	75	16.8	51	5.9	26.7	4.4	9.5	1.1	5.5	0.7	133	44	29	4
JPAC387	24	28	4	1812	331	838	91	334	57	13.3	37	4.2	18	3	6.4	0.7	4.1	0.5	75	51	30	5
JPAC387	28	32	4	1967	310	867	92	350	63	13.5	46	5.8	29.5	5.5	13.2	1.6	10.1	1.4	159	42	45	7
JPAC387	32	36	4	1599	286	677	76	282	50	10	33	4.2	20.5	4	9.8	1.4	9.1	1.4	135	35	13	4
JPAC387	36	40	4	1645	311	711	74	273	45	9.4	31	3.7	18.4	3.8	10.2	1.4	9.3	1.4	143	38	38	3
JPAC387	40	44	4	1445	263	644	72	268	46	9.5	30	3.2	14.7	2.5	6.3	0.8	4.6	0.6	82	32	17	2
JPAC387	44	48	4	1089	238	490	53	189	30	5.5	18	1.9	9.2	1.5	3.4	0.5	3	0.4	46	39	12	2
JPAC387	48	52	4	869	174	376	44	167	28	5.5	16	1.7	8	1.2	3.1	0.4	2.4	0.3	42	29	14	2
JPAC387	52	56	4	991	198	427	50	194	32	6.8	19	2.1	9.1	1.5	3.5	0.4	2.6	0.3	46	31	16	2
JPAC387	56	60	4	964	189	412	49	184	30	6.7	19	2.3	9.9	1.9	4.3	0.5	3.2	0.4	53	31	15	3
JPAC388	4	8	4	334	69	144	16	54	10	1.7	6	0.8	4.1	0.8	2.1	0.3	2	0.3	25	29	22	2
JPAC388	8	12	4	429	138	136	25	76	11	2.3	7	0.8	3.8	0.7	1.9	0.2	1.4	0.2	25	39	26	2
JPAC388	12	16	4	3286	600	1548	169	584	92	16.5	56	6.7	31.3	5.4	12.3	1.6	8.5	0.9	154	47	38	3
JPAC388	16	20	4	2884	365	1542	120	451	78	14.8	48	5.7	28.1	5.5	14.9	2.1	13.3	1.8	196	43	34	3
JPAC388	20	24	4	3145	521	1554	159	568	96	16.4	54	6.2	27.9	4.5	10	1.1	6.4	0.7	121	49	52	6
JPAC388	24	28	4	1916	323	945	97	338	56	9.4	31	3.9	18.1	2.9	6.7	0.7	4.5	0.5	81	52	54	4
JPAC388	28	32	4	2466	437	1166	121	451	80	14.1	49	5.5	25.2	4.1	8.1	1	5.7	0.6	97	48	54	4
JPAC388	32	36	4	2186	419	1065	110	377	63	10.2	34	4	17.7	2.8	6.2	0.7	4.7	0.6	72	47	56	4

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JPAC388	36	40	4	2770	504	1321	145	517	83	13.2	45	5.2	24	3.8	8.4	1	6.3	0.9	94	40	51	5
JPAC388	40	44	4	1623	281	737	79	297	56	10.1	34	4.1	17.7	3.1	7.1	1	6.1	0.9	89	40	32	4
JPAC388	44	48	4	2211	418	929	114	416	72	11.8	43	5.1	23.8	4.4	11.1	1.6	10.9	1.6	149	36	56	6
JPAC388	48	52	4	1290	229	577	66	246	43	7.2	24	3	13.3	2.3	5.4	0.8	4.7	0.7	68	29	34	4
JPAC388	52	54	2	1547	265	654	74	275	49	9	34	4.3	20.4	4	10.3	1.4	9.2	1.4	137	28	34	4
JPAC389	4	8	4	364	76	146	18	62	11	2	7	1	5	0.9	2.5	0.3	2.5	0.3	31	28	25	2
JPAC389	8	12	4	1412	265	689	65	240	39	8	24	2.7	11.8	1.9	4.8	0.5	3.5	0.5	56	47	27	3
JPAC389	12	16	4	4346	476	2936	129	478	88	18.2	55	6.6	30	4.6	9.6	1.2	6.9	0.8	107	62	33	3
JPAC389	16	20	4	1488	259	754	60	214	39	8.2	27	3.4	17.4	3.1	7.5	1	5.6	0.6	89	31	27	2
JPAC389	20	24	4	1992	415	926	101	370	63	13.1	33	3.6	14.2	1.8	3.8	0.4	2.3	0.3	44	42	43	2
JPAC389	24	28	4	2298	435	1040	120	457	78	15.5	44	4.9	20.8	3.2	6.9	0.7	4	0.4	68	44	29	3
JPAC389	28	32	4	2127	430	1026	110	392	54	10.6	29	3.2	13.5	2.2	5.2	0.6	3.3	0.4	48	38	28	5
JPAC389	32	33	1	794	151	335	39	147	24	5.3	17	2.1	11.6	2.3	5.4	0.6	3.4	0.4	50	19	15	3
JPAC390	16	20	4	125	36	52	5	16	2	0.5	2	0.3	1.6	0.3	0.9	0.1	1.1	0.2	7	40	26	3
JPAC390	20	24	4	661	118	354	32	108	15	2.9	7	0.8	3.7	0.6	1.7	0.3	1.8	0.2	16	52	33	4
JPAC390	24	28	4	1896	340	996	85	313	47	10.2	27	3.3	14.2	2.1	5.2	0.7	4.1	0.5	48	56	39	5
JPAC390	28	32	4	1815	330	893	88	310	51	10.3	29	3.6	16.6	2.9	6.3	0.8	4.8	0.5	70	49	35	5
JPAC390	32	36	4	1402	212	700	65	251	42	9.3	28	3.6	15.6	2.6	5.5	0.6	3.4	0.4	64	37	25	3
JPAC390	36	40	4	1609	226	741	72	286	49	11.2	35	4.6	21.9	4.1	11.3	1.5	10	1.7	133	36	20	4
JPAC390	40	44	4	991	145	472	46	181	33	7.1	20	2.6	12.3	2.2	5.5	0.8	5.6	0.7	58	39	34	6
JPAC390	44	48	4	1795	260	716	91	378	68	14.7	45	5.7	27.8	5	13.3	1.9	13	2	154	32	21	5
JPAC390	48	52	4	1101	185	453	55	206	34	7.8	24	3.1	15.3	2.8	7.8	1.1	7.2	1	97	34	16	4
JPAC390	52	56	4	1103	191	462	57	211	34	7.7	23	3	13.9	2.6	6.9	1	5.5	0.9	83	33	16	4
JPAC390	56	60	4	1039	175	434	53	198	33	6.9	22	2.8	13.9	2.5	6.7	0.9	5.6	0.8	84	28	15	5
JPAC390	60	62	2	965	148	403	49	187	32	7	22	2.9	14.8	2.7	6.8	0.9	5.7	0.9	83	25	13	7
JPAC391	12	17	5	140	38	51	6	22	3	0.8	3	0.4	1.8	0.3	1.1	0.2	1.5	0.2	11	43	21	3
JPAC391	17	20	3	703	180	258	40	136	21	4.1	12	1.5	7.6	1.3	3	0.4	2.2	0.3	36	53	37	2
JPAC391	20	24	4	731	203	247	43	143	20	4.1	13	1.6	7.8	1.3	3.4	0.4	2.3	0.3	40	50	52	2
JPAC391	24	28	4	874	258	271	53	177	26	5.2	16	1.9	9.2	1.5	4	0.5	2.8	0.3	47	48	47	2
JPAC391	28	32	4	762	237	216	49	160	22	4.9	14	1.7	8.5	1.4	3.2	0.4	2.3	0.3	41	56	34	3
JPAC391	32	36	4	657	197	225	40	127	17	3.4	10	1.1	5.5	0.9	2	0.3	1.6	0.2	27	33	33	2
JPAC391	36	40	4	757	185	367	37	114	14	2.6	7	0.9	4	0.7	1.8	0.2	1.8	0.2	22	28	49	2
JPAC391	40	44	4	2507	369	1339	119	435	66	12.9	35	4.2	19.1	3.1	7.9	1.1	7	0.9	89	42	37	6
JPAC391	44	48	4	1597	222	840	65	243	38	8.4	29	3.6	18.6	3.4	9	1.2	8.2	1.1	108	26	35	4
JPAC391	48	50	2	917	154	458	36	127	20	4.1	15	2	11.1	2.2	6.2	0.8	5.3	0.7	75	27	37	3
JPAC392	4	8	4	507	89	256	22	75	12	2.6	8	1.1	6.1	1.1	3	0.4	2.7	0.4	30	29	27	2
JPAC392	8	12	4	939	262	380	50	158	21	4.1	13	1.5	6.8	1.1	2.8	0.4	2	0.2	38	47	30	2
JPAC392	12	16	4	1793	403	841	88	293	43	9.4	28	3.4	14.6	2.3	4.9	0.6	2.8	0.4	59	44	30	2
JPAC392	16	20	4	2235	473	1033	111	372	52	10.9	33	4.1	21.7	3.8	9.1	1.1	6.1	0.6	104	47	28	2

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JPAC392	20	24	4	2053	396	962	107	371	50	10.6	31	3.8	17.3	2.9	6.7	0.9	5	0.6	89	45	28	4
JPAC392	24	28	4	1808	365	827	94	339	50	9.8	27	3.1	14.2	2.3	6.2	0.7	4	0.5	65	42	28	4
JPAC392	28	32	4	1868	398	845	90	336	55	10.9	33	3.5	15.8	2.7	6.3	0.7	3.7	0.4	69	49	27	5
JPAC392	32	36	4	2264	447	1012	117	427	70	14.1	39	4.4	20.5	3.3	8.3	1.1	6	0.9	94	46	26	6
JPAC392	36	40	4	2503	419	1139	129	488	80	16.6	48	5.3	25.9	4.4	11	1.4	8.6	1.3	127	40	23	5
JPAC392	40	44	4	1512	276	626	77	289	47	10.2	32	3.7	18	3.4	9.5	1.3	7.4	1.2	111	35	21	3
JPAC392	44	48	4	1374	264	583	70	260	42	8.6	26	2.9	14.7	2.6	7	0.9	5.6	0.9	86	34	20	2
JPAC392	48	52	4	1198	231	515	62	229	36	7.9	23	2.6	13	2.2	6.2	0.8	4.2	0.7	67	34	16	2
JPAC392	52	56	4	1101	208	470	57	212	33	7.4	22	2.5	11.6	2.2	5.9	0.7	4.4	0.6	65	31	15	2
JPAC392	56	60	4	1139	217	483	58	220	36	7.4	23	2.6	13.1	2.2	5.7	0.8	4.2	0.6	66	34	16	2
JPAC392	60	64	4	1085	206	464	55	208	34	7.1	21	2.5	12.3	2.1	5.7	0.7	4.2	0.6	62	31	15	2
JPAC392	64	68	4	1124	215	477	58	218	35	7.5	22	2.5	12.5	2.2	5.6	0.7	3.9	0.6	64	32	15	2
JPAC392	68	69	1	808	148	350	42	154	26	5.2	16	1.7	8.8	1.6	4.5	0.5	3.2	0.5	47	37	11	3
JPAC393	8	12	4	339	108	105	19	62	10	1.8	6	0.8	3.9	0.7	1.7	0.2	1.2	0.2	20	39	23	2
JPAC393	12	16	4	553	207	161	34	100	14	3	7	0.8	4	0.6	1.5	0.2	1	0.2	18	51	33	2
JPAC393	16	20	4	1670	481	447	116	405	66	12.8	38	4.2	18.8	2.9	6.6	0.8	3.6	0.5	68	49	40	3
JPAC393	20	24	4	2975	768	995	185	657	105	19.6	61	6.8	31.9	5	11.5	1.3	6.6	0.8	121	42	52	4
JPAC393	24	28	4	2352	552	891	144	527	83	16	44	4.8	20.1	2.8	6.1	0.6	3.5	0.4	58	45	44	4
JPAC393	28	32	4	1835	368	919	85	295	48	9.4	28	3.1	13.6	2.4	5.1	0.6	3.5	0.4	55	40	38	5
JPAC393	32	36	4	2938	613	1456	144	484	77	15.3	42	4.4	19.7	3	6.9	0.8	4.1	0.6	69	40	38	7
JPAC393	36	40	4	5162	1075	2402	278	990	151	28.6	76	7.7	32.5	4.5	9.3	1	5.4	0.6	101	41	46	9
JPAC393	40	44	4	3702	677	1744	190	756	124	24	65	6.7	28.6	3.8	7.4	0.7	4.6	0.5	71	38	46	6
JPAC393	44	48	4	2365	434	1146	115	453	78	15.2	41	4.1	17.4	2.5	5.2	0.5	3.3	0.4	51	43	46	5
JPAC393	48	52	4	2899	547	1321	150	568	93	18.5	56	6	26.3	4	9.3	1	5.3	0.6	94	41	48	5
JPAC393	52	56	4	3195	545	1474	156	625	110	21.5	66	6.8	31.4	4.9	11.7	1.3	7.2	0.9	133	36	51	5
JPAC393	56	60	4	2348	437	1002	122	477	84	16.7	51	5.6	24	3.8	9	1.1	5.8	0.7	107	32	32	4
JPAC393	60	64	4	2506	467	1092	132	509	89	17.4	53	5.7	24.2	3.6	9.2	1.1	5.4	0.8	98	32	31	5
JPAC393	64	68	4	1744	300	792	87	329	56	11.6	35	3.8	18	3.1	7.5	1.1	5.6	0.9	94	33	31	4
JPAC393	68	70	2	1293	238	554	69	255	44	8.8	26	3	14	2.2	5.8	0.7	3.9	0.5	68	29	19	3
JPAC393	70	72	2	1289	236	549	68	259	43	8.8	27	3	13.8	2.3	5.8	0.7	4.3	0.5	68	27	19	3
JPAC394	16	20	4	292	50	167	11	38	5	1.2	3	0.5	2.3	0.4	1.2	0.2	1.4	0.2	11	53	45	3
JPAC394	20	24	4	1412	256	796	61	206	27	5.7	15	1.8	7.8	1.3	3	0.4	2.6	0.3	29	63	54	4
JPAC394	24	28	4	1536	247	846	66	247	38	8	22	2.4	11.5	1.8	4.4	0.6	3.7	0.5	37	56	44	4
JPAC394	28	32	4	1242	240	564	65	247	38	8.2	22	2.5	10.3	1.6	3.4	0.5	2.5	0.3	37	22	18	2
JPAC394	32	36	4	1099	179	450	52	220	36	9.3	26	3.3	16.8	3	7.9	1.1	5.3	0.6	89	34	18	2
JPAC394	36	40	4	2472	339	1351	101	388	61	13.5	41	5.1	24.7	4.2	10.3	1.4	7	0.9	125	45	22	4
JPAC394	40	44	4	2390	342	1296	103	399	63	12.6	38	4.6	20.2	3.5	7.9	1	5.5	0.7	93	45	39	6
JPAC394	44	48	4	2358	348	1228	106	406	66	13.2	41	4.8	22.1	3.8	8.6	1.1	6.7	0.9	103	48	38	8
JPAC394	48	52	4	2161	327	1135	98	373	60	12.2	35	4.2	18.8	3	7.1	1	5.3	0.8	81	51	40	8

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC394	52	56	4	1607	243	837	75	285	44	9.6	28	3.2	15.1	2.3	5.1	0.7	3.8	0.5	57	44	28	8
JPAC394	56	60	4	1624	262	806	82	303	47	10.1	28	3.3	14.7	2.3	5	0.6	3.4	0.5	57	50	30	8
JPAC394	60	64	4	1178	203	534	61	227	36	7.9	23	2.7	12.7	2.2	5.2	0.7	3.8	0.6	59	50	30	8
JPAC394	64	68	4	1228	219	563	64	240	36	7.7	23	2.7	12.5	2.1	4.5	0.6	3.5	0.4	50	46	29	8
JPAC394	68	72	4	972	201	436	49	170	26	5.5	18	2.1	10.1	1.7	4.1	0.6	3.2	0.4	46	46	39	9
JPAC394	72	76	4	2394	362	1151	117	457	76	16.3	50	5.9	26.2	4.3	9.7	1.1	5.8	0.7	111	46	34	8
JPAC394	76	80	4	1417	238	692	67	252	40	8.5	25	3	13.8	2.5	6	0.7	3.9	0.5	65	49	28	7
JPAC394	80	84	4	1208	201	582	59	223	35	7.5	22	2.7	12.3	2	5.1	0.6	4	0.5	51	48	29	6
JPAC394	84	88	4	1362	243	608	70	260	42	9.1	28	3.4	15.9	2.7	6.4	0.8	5.2	0.7	67	42	25	5
JPAC394	88	90	2	1419	257	622	73	275	44	9.4	30	3.6	16.9	3	6.8	1	5.6	0.8	72	42	26	4
JPAC394	90	91	1	1548	272	706	76	292	47	10.2	31	3.8	17.1	3	7	0.9	6	0.7	76	47	28	5
JPAC395	8	12	4	502	100	224	24	87	13	2.7	9	1.2	5.7	1	3	0.4	2.3	0.3	29	36	25	2
JPAC395	12	16	4	471	143	204	21	63	9	2	6	0.7	3.6	0.6	1.5	0.2	1.3	0.2	17	54	37	3
JPAC395	16	20	4	1343	128	1082	22	67	11	2.3	6	0.9	4.2	0.7	1.9	0.3	2.2	0.3	14	73	54	5
JPAC395	20	24	4	1761	315	715	108	415	68	14.2	37	4.3	18	2.9	6.4	0.9	5.6	0.8	51	95	61	9
JPAC395	24	28	4	844	196	349	43	150	24	5.6	16	2.2	9.3	1.6	3.8	0.5	3.1	0.5	40	79	70	9
JPAC395	28	32	4	1151	362	412	66	206	28	5.9	16	2	8	1.3	3.2	0.4	2.3	0.3	38	56	56	5
JPAC395	32	36	4	550	168	201	30	97	13	2.7	8	1	5	0.8	1.7	0.2	1.5	0.2	21	49	39	2
JPAC395	36	40	4	231	70	84	13	39	5	1.1	3	0.5	2.2	0.4	1	0.1	0.9	0.1	11	32	28	1
JPAC395	40	44	4	362	78	121	23	86	12	2.7	8	1	4.3	0.7	2	0.3	1.8	0.3	23	39	35	3
JPAC395	44	48	4	539	86	290	19	73	12	2.8	10	1.2	6.1	1.1	3.1	0.5	3.1	0.5	33	45	23	5
JPAC395	48	52	4	1842	362	609	114	454	74	15.9	44	5.3	23.6	4.1	10.3	1.5	9.2	1.3	114	43	21	8
JPAC395	52	56	4	909	65	611	23	104	20	4.7	15	2	9.8	1.5	4.3	0.6	4	0.6	44	38	14	9
JPAC395	56	60	4	1743	262	878	76	304	53	11.3	33	4.2	19.2	3.1	8.1	1.1	6.6	1	83	46	24	12
JPAC395	60	64	4	1216	234	461	68	265	43	10.4	29	3.3	16.8	2.7	7	0.9	6	0.8	71	39	28	6
JPAC395	64	68	4	1391	265	543	77	295	47	10.3	31	3.8	18.6	3.1	7.9	1.1	6.7	1	81	40	25	6
JPAC395	68	72	4	1094	178	511	52	201	32	7.1	20	2.5	13.1	2.2	6	0.7	4.6	0.6	64	40	22	5
JPAC395	72	76	4	1198	213	495	63	243	39	8.5	24	3	14.7	2.5	6.9	0.8	4.8	0.7	80	35	19	4
JPAC395	76	80	4	972	167	419	50	188	29	6.3	20	2.4	11.7	2	5.7	0.7	4.1	0.6	66	31	16	4
JPAC395	80	83	3	970	168	421	50	189	30	6.3	19	2.4	11.5	1.9	5.6	0.7	3.8	0.5	61	31	16	4
JPAC396	8	12	4	470	114	216	21	71	10	2.1	7	0.8	3.9	0.7	1.9	0.3	1.5	0.2	21	42	30	3
JPAC396	12	16	4	1468	284	872	61	190	22	4	10	1	4.4	0.7	1.8	0.2	1.2	0.2	17	59	38	5
JPAC396	16	20	4	1905	498	864	107	342	38	6.3	15	1.6	7	1	2.4	0.3	1.7	0.2	22	53	36	5
JPAC396	20	24	4	1676	544	579	106	323	40	8.2	20	2.3	10.9	1.7	4.1	0.5	3.3	0.5	33	62	41	5
JPAC396	24	28	4	2370	513	997	122	468	72	15.2	43	4.9	21.2	3.5	8.6	1	5.1	0.7	96	68	37	7
JPAC396	28	32	4	2900	608	1226	149	563	86	19	57	6.1	30.3	5	11.9	1.2	6.2	0.9	131	52	27	5
JPAC396	32	36	4	2822	504	1216	153	614	98	20.3	59	6.1	26.7	4.1	9.4	0.9	4.6	0.5	105	45	32	5
JPAC396	36	40	4	1852	300	835	89	369	59	12.3	39	4.2	20.3	3.5	8.7	0.9	4.6	0.6	107	34	27	5
JPAC396	40	44	4	2672	443	1235	130	533	83	17.4	53	5.6	24.9	4.1	10	1	6	0.7	126	43	22	8

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC396	44	48	4	1796	312	780	90	367	60	12.6	38	4	18.3	3	7.7	0.9	5.3	0.8	96	31	19	4
JPAC396	48	52	4	1366	253	574	71	280	44	10	28	3	14.2	2.4	6	0.7	4	0.6	77	29	17	2
JPAC396	52	56	4	1367	258	568	71	280	45	9.9	28	3.2	14.5	2.4	6	0.7	3.9	0.7	77	28	17	2
JPAC396	56	58	2	829	150	354	42	160	25	5.4	17	2.1	9.4	1.7	4.6	0.6	3	0.4	56	24	17	2
JPAC397	12	16	4	486	92	318	14	38	5	1	3	0.4	2	0.4	1.1	0.1	1.2	0.2	10	65	42	4
JPAC397	16	20	4	1372	231	899	48	142	16	3.1	8	1	4.2	0.7	1.9	0.2	1.6	0.2	16	87	57	10
JPAC397	20	24	4	1738	491	699	105	331	38	6.8	17	2	8.6	1.4	3.1	0.4	2.7	0.4	31	79	52	8
JPAC397	24	28	4	3271	705	1394	189	684	97	18.9	47	5.4	24.2	3.4	8.6	1.1	6.1	0.8	88	51	37	6
JPAC397	28	32	4	4963	1057	2334	246	902	134	27.3	72	8.2	36	5.2	12	1.5	7.5	1	121	58	35	7
JPAC397	32	36	4	4528	1003	1941	243	888	133	27.6	78	8.5	37.5	5.5	12.8	1.4	7.1	0.8	142	64	37	6
JPAC397	36	40	4	3268	566	1499	170	659	103	22.1	64	6.9	31.8	4.8	11.3	1.2	6.4	0.8	122	43	33	8
JPAC397	40	44	4	3278	523	1536	178	691	107	21.8	61	6.7	29	4.3	10.1	1.1	5.8	0.7	105	46	45	10
JPAC397	44	48	4	3107	539	1499	156	607	88	17.4	49	5.4	24.2	3.7	9	1	5.5	0.6	102	35	20	8
JPAC397	48	52	4	3631	631	1585	190	769	122	25.7	75	8.4	36.3	5.6	13.7	1.6	9.6	1.3	159	47	21	12
JPAC397	52	56	4	2360	413	986	113	469	77	16.3	52	6	28.7	4.9	13.1	1.7	9.2	1.3	170	38	17	7
JPAC397	56	60	4	1996	374	859	97	395	63	13	38	4.2	19.5	3.4	8.4	1	5.8	0.7	114	39	15	5
JPAC397	60	64	4	1564	319	679	79	314	48	9.4	30	3.3	14.1	2	4.6	0.6	3.2	0.4	58	35	13	3
JPAC397	64	68	4	1559	317	694	76	301	45	9	28	3	13	2	4.9	0.6	3.4	0.5	62	32	12	3
JPAC397	68	72	4	1533	300	682	77	299	46	9.3	28	3.2	14.1	2.2	5.1	0.6	3.5	0.4	63	30	14	3
JPAC397	72	76	4	1433	283	617	74	294	47	9.4	27	2.9	12.9	1.9	4.5	0.5	2.8	0.4	57	29	14	2
JPAC397	76	80	4	1241	242	536	64	251	41	8.4	25	2.6	11.2	1.6	4.1	0.4	2.6	0.4	53	27	15	2
JPAC397	80	84	4	1395	254	598	73	294	48	9.5	28	2.9	13.9	2.1	4.7	0.6	3.1	0.4	62	24	16	2
JPAC397	84	88	4	1224	239	529	63	247	40	7.8	24	2.6	11.4	1.7	3.9	0.5	2.7	0.4	52	24	10	2
JPAC397	88	89	1	1375	267	596	70	281	44	8.8	27	2.7	12.2	2	4.4	0.5	3.1	0.3	57	24	11	3
JPAC398	24	28	4	463	37	361	8	30	5	0.9	3	0.4	2.5	0.4	1.4	0.2	1.4	0.2	11	56	54	4
JPAC398	28	32	4	674	95	457	20	67	10	1.6	5	0.6	3.1	0.5	1.5	0.3	1.7	0.2	12	59	57	4
JPAC398	32	36	4	1414	418	693	62	174	18	3.5	9	1.2	5.6	0.9	2.5	0.3	2.5	0.4	24	58	54	3
JPAC398	36	40	4	1295	326	581	61	205	29	5.7	17	2.1	10.3	1.7	4.4	0.6	3.3	0.4	48	40	28	3
JPAC398	40	44	4	887	179	399	43	153	23	4.9	15	1.8	9.4	1.5	4.3	0.6	2.9	0.4	49	35	40	5
JPAC398	44	48	4	1549	287	728	77	282	44	8.3	24	2.9	13.7	2.2	6	0.8	4.7	0.6	67	30	27	6
JPAC398	48	52	4	1017	181	427	52	196	31	6	20	2.4	12.3	2.3	6.3	0.9	5.1	0.6	75	25	19	5
JPAC398	52	54	2	1394	239	603	72	269	40	8.4	26	3.2	16.4	2.8	7.8	1	6.1	0.8	97	26	33	9
JPAC399	24	28	4	127	29	55	5	20	3	0.6	2	0.3	1.6	0.3	1	0.1	1	0.1	8	49	49	3
JPAC399	28	32	4	409	123	165	19	65	9	1.9	5	0.7	3.4	0.5	1.4	0.2	1.1	0.1	14	41	40	2
JPAC399	32	36	4	478	172	147	26	81	11	2.8	8	0.9	4.3	0.7	1.8	0.2	1.3	0.1	20	41	20	1
JPAC399	36	40	4	1656	535	543	92	309	41	8.8	25	3	14	2.2	5.4	0.6	3.3	0.4	73	34	32	3
JPAC399	40	44	4	635	179	264	24	80	11	2.8	9	1.1	6.5	1.3	3.7	0.5	2.8	0.4	50	32	28	2
JPAC399	44	48	4	742	205	335	32	102	14	3.1	9	1.1	5.7	1	2.6	0.3	1.7	0.2	30	31	12	2
JPAC399	48	52	4	600	194	202	35	106	13	3.4	8	0.9	4.9	0.8	2.3	0.3	1.6	0.2	27	32	9	2

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC399	52	56	4	739	175	375	34	103	13	2.8	6	0.8	3.8	0.7	1.9	0.3	1.5	0.2	22	33	14	2
JPAC399	56	60	4	1751	317	838	90	332	45	9.1	22	2.7	12.7	2.2	6.1	0.8	5.2	0.7	68	31	13	4
JPAC399	60	64	4	1796	283	1104	68	238	31	5.5	15	1.7	7.6	1.3	3.2	0.4	2.5	0.3	36	35	16	5
JPAC399	64	68	4	1635	225	1098	51	175	23	4.6	11	1.2	6.7	1.1	3	0.4	2.5	0.3	32	28	17	4
JPAC399	68	72	4	564	116	267	29	103	13	2.9	7	0.8	3.6	0.6	1.8	0.3	1.5	0.3	20	24	12	2
JPAC399	72	75	3	388	91	115	23	92	12	3.5	7	1	4.7	0.9	2.9	0.4	2.4	0.4	33	24	6	1
JPAC400	32	36	4	360	113	125	19	62	9	2.6	6	0.7	3.4	0.5	1.2	0.2	1.2	0.2	17	43	61	3
JPAC400	36	40	4	622	199	205	35	110	17	4.3	10	1.3	6.1	1.1	2.3	0.3	1.8	0.3	29	45	63	3
JPAC400	40	44	4	989	273	396	53	171	24	5.8	14	1.6	7.4	1.3	3	0.4	2.4	0.4	37	42	68	5
JPAC400	44	48	4	1223	335	538	61	195	27	6.6	14	1.7	7.2	1.1	2.6	0.4	2.1	0.4	32	47	39	5
JPAC400	48	52	4	1160	354	427	61	196	28	7.8	18	2.1	10.3	1.6	4.4	0.5	3.1	0.4	47	40	29	5
JPAC400	52	56	4	3697	700	2094	146	499	68	14.4	36	3.8	18.8	3	8	1	6.5	1	96	41	61	8
JPAC400	56	60	4	3491	568	1726	162	636	104	20.2	62	6.5	31.4	4.9	12.8	1.5	9	1.2	146	32	48	5
JPAC400	60	64	4	2431	369	1087	122	498	87	16.8	56	5.9	29.3	4.5	11.9	1.5	9.8	1.4	131	28	30	5
JPAC400	64	68	4	1850	308	819	88	342	56	11.1	38	4.3	22.4	3.7	10.9	1.4	9.6	1.4	135	29	27	5
JPAC400	68	70	2	1635	271	743	78	293	49	10	33	3.5	18.2	3.1	8.8	1.2	7.4	1.1	116	29	28	4
JPAC401	16	20	4	232	74	85	11	35	5	1.1	4	0.4	2.1	0.3	1.2	0.2	1	0.2	12	51	29	3
JPAC401	20	24	4	1820	487	728	98	329	48	9.7	31	3	13.8	2	5	0.5	3	0.4	63	59	49	3
JPAC401	24	28	4	2367	522	1024	117	434	73	14	45	4.6	20.2	3.1	7.5	0.8	4.4	0.7	97	51	58	4
JPAC401	28	32	4	2466	491	1176	114	425	69	13.5	44	4.4	19.3	2.9	7.2	0.8	4.4	0.6	95	43	47	4
JPAC401	32	36	4	3050	595	1486	140	506	78	13.3	48	4.9	23.6	3.7	9.8	1.1	7	1	133	43	25	6
JPAC401	36	40	4	2561	547	1178	124	453	75	14.3	44	4.4	20	2.8	6.9	0.8	4.2	0.7	87	44	45	7
JPAC401	40	44	4	2529	483	1166	124	478	82	15.8	50	4.8	21.1	3.1	7.2	0.9	5.5	0.8	87	40	116	10
JPAC401	44	48	4	2408	449	1112	115	434	74	13.9	47	4.6	21.1	3.4	8.6	1.1	7	1.1	118	33	76	8
JPAC401	48	52	4	3527	536	1707	171	658	114	22.3	72	7.9	35.5	5.6	14.1	1.8	10.9	1.6	170	29	68	6
JPAC401	52	56	4	3504	296	924	98	422	87	21.5	111	17.2	120.5	28.2	86.6	11.2	66.6	11.1	1205	26	44	10
JPAC401	56	60	4	1335	251	554	68	272	50	10.4	31	3.1	14.9	2.1	5.1	0.6	3.4	0.5	70	28	23	4
JPAC401	60	64	4	1732	332	769	86	325	54	10.2	35	3.6	16.9	2.5	6.4	0.7	4.6	0.6	86	32	16	3
JPAC401	64	68	4	1459	285	634	74	280	47	8.8	30	3	14.6	2.4	5.5	0.7	3.6	0.5	71	32	15	3
JPAC401	68	72	4	1368	269	591	70	271	46	8.5	30	2.8	12.9	1.9	4.7	0.6	3.2	0.5	58	26	16	3
JPAC401	72	76	4	1301	250	554	66	259	45	8.6	30	2.8	13	1.9	5.1	0.6	3.4	0.6	62	30	17	3
JPAC401	76	80	4	1187	217	504	60	246	43	8.7	27	2.8	12.6	1.9	4.2	0.5	3.1	0.5	57	28	17	3
JPAC401	80	82	2	1056	205	450	54	213	38	8.4	23	2.4	10.4	1.5	3.8	0.5	2.4	0.4	46	28	23	3
JPAC402	12	16	4	519	153	154	31	110	18	3.3	10	1.3	5.8	1	2.3	0.2	1.5	0.2	29	44	25	2
JPAC402	16	20	4	1431	382	568	74	244	39	7.4	23	2.9	13.3	2.3	5.1	0.6	3.4	0.4	66	47	29	3
JPAC402	20	24	4	1540	361	738	69	223	34	6.4	20	2.7	12.3	2.2	4.9	0.6	3.7	0.5	62	50	28	5
JPAC402	24	28	4	2088	432	1079	90	297	44	9	27	3.5	15.4	2.7	6.4	0.7	4.3	0.6	78	45	32	5
JPAC402	28	32	4	942	254	377	53	159	24	5.7	13	1.6	7.8	1.3	3	0.4	2.1	0.3	40	53	21	3
JPAC402	32	36	4	2210	569	806	148	481	61	11.9	31	3.8	16.2	2.5	5.7	0.7	4.3	0.6	70	49	27	5

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Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC402	36	40	4	2373	406	864	144	597	88	18.4	53	6.2	26.9	4.8	11.5	1.6	8.8	1.2	143	49	25	5
JPAC402	40	44	4	1722	310	765	91	341	48	9.7	28	3.4	15.1	2.7	7.3	1.1	6.7	0.9	93	47	28	5
JPAC402	44	48	4	1688	283	712	91	380	62	12.8	36	4.4	18.4	2.9	7.1	1	6	0.8	71	41	28	4
JPAC402	48	52	4	1609	274	645	81	343	65	13.4	38	4.8	21.6	3.6	9.7	1.5	8.9	1.3	100	43	26	4
JPAC402	52	56	4	1237	213	509	61	244	44	9.7	30	4	18.2	3.1	8.1	1.2	8	1.1	84	36	20	3
JPAC402	56	60	4	1225	218	499	62	232	40	8.6	27	3.4	17	3.1	8.4	1.3	8.1	1.4	99	35	20	4
JPAC402	60	64	4	1184	212	505	58	215	38	7.7	24	3.2	14.6	2.7	7.3	1.2	7.3	1.2	87	38	22	4
JPAC402	64	68	4	1213	215	511	61	227	40	9.1	27	3.4	15	2.7	7.3	1	6.9	0.9	86	39	19	4
JPAC402	68	72	4	245	54	98	11	40	6	1.2	5	0.6	3.1	0.7	1.8	0.2	1.5	0.2	23	25	16	2
JPAC402	72	74	2	1173	216	501	60	219	37	7.7	22	2.9	13.3	2.3	6	0.9	4.8	0.7	79	35	19	4
JPAC403	0	4	4	1280	226	537	65	248	43	8.8	26	3.4	15.7	2.9	7.7	1.1	6	1	90	39	22	5
JPAC403	4	8	4	1045	260	494	49	160	24	5.8	12	1.5	6.6	1.1	2.6	0.3	1.9	0.3	27	46	50	2
JPAC403	8	12	4	2168	482	995	115	387	56	10.9	28	3.3	13.8	2.4	5.4	0.7	3.7	0.6	64	48	55	7
JPAC403	12	16	4	2411	447	1099	127	475	75	16.5	42	5.1	21.9	3.6	7.7	0.9	4.1	0.5	87	42	43	8
JPAC403	16	20	4	2001	393	884	104	394	60	12.4	33	4	17.6	3	7.1	0.8	4.2	0.4	83	42	44	7
JPAC403	20	24	4	1619	314	725	88	317	46	9.8	25	3	13.4	2.3	5.6	0.7	4	0.6	65	39	38	5
JPAC403	24	28	4	476	85	191	24	88	15	3.7	10	1.4	6.8	1.3	3.3	0.6	3.8	0.6	43	29	26	4
JPAC404	0	4	4	271	53	124	11	39	7	1.5	5	0.7	4	0.7	2	0.3	1.7	0.3	23	27	17	2
JPAC404	4	8	4	978	189	416	51	197	33	6.9	18	2.1	9.2	1.5	3.7	0.5	2.6	0.4	47	26	15	2
JPAC404	8	12	4	1507	296	646	76	292	47	10.8	31	3.5	15.4	2.7	5.7	0.7	3.9	0.6	77	28	14	2
JPAC404	12	14	2	1534	300	677	77	293	46	10.5	29	3.3	14.5	2.4	5.4	0.7	3.6	0.5	71	31	20	3
JPAC406	0	4	4	255	57	108	11	38	6	1.1	5	0.6	3.6	0.6	1.7	0.2	1.8	0.3	21	22	16	2
JPAC406	4	8	4	863	201	392	43	148	21	4.1	12	1.4	6.5	1.1	2.4	0.3	2	0.2	29	30	18	2
JPAC406	8	12	4	2240	518	1036	114	395	56	11.1	30	3.4	13.9	1.9	4.4	0.5	2.4	0.2	53	38	21	3
JPAC406	12	16	4	2412	498	1271	108	353	50	9.9	29	3.3	13.3	2.3	5.3	0.7	3.5	0.5	64	41	24	4
JPAC406	16	20	4	3061	508	1640	123	440	70	14.9	46	5.6	25.6	4.6	11.9	1.7	9.9	1.4	160	39	40	3
JPAC406	20	24	4	2329	428	1112	120	447	65	13.4	36	4.3	17.3	2.5	5.8	0.7	3.9	0.6	74	41	31	4
JPAC406	24	28	4	2218	382	924	113	471	83	19.3	57	6.8	29.2	4.4	10	1.2	6.9	0.8	109	37	24	3
JPAC406	28	32	4	1626	299	679	80	332	61	13.7	43	4.9	19.7	3	7.3	0.9	5.9	0.7	77	33	17	3
JPAC406	32	36	4	1665	277	628	75	315	58	13.8	45	5.6	27.8	5.2	14	2.1	12.1	1.8	185	30	21	4
JPAC406	36	40	4	1405	265	591	69	269	44	9.8	30	3.4	14.6	2.6	6.3	0.9	4.8	0.7	95	26	16	3
JPAC406	40	44	4	1302	250	544	66	260	40	9.9	29	3.3	13.7	2.3	5.7	0.7	4.1	0.5	73	29	17	3
JPAC406	44	48	4	1035	196	432	52	205	33	7.8	22	2.8	11.8	1.9	4.9	0.6	3.7	0.5	61	26	19	4
JPAC406	48	51	3	141	29	60	5	18	3	0.5	3	0.4	2.2	0.4	1.3	0.2	1.1	0.1	16	20	31	2
JPAC407	4	8	4	398	81	181	17	63	10	2	7	0.9	5	0.9	2.1	0.3	2	0.4	27	29	21	2
JPAC407	8	12	4	468	123	186	23	82	12	2.2	8	1	4.1	0.8	2.1	0.3	1.8	0.2	23	41	24	2
JPAC407	12	16	4	1396	362	555	74	254	39	8.2	24	3	12.2	1.9	4.2	0.6	2.8	0.4	55	51	36	2
JPAC407	16	20	4	2045	400	868	103	401	67	14.1	43	5	21.5	3.6	8.7	1	5.5	0.6	104	44	32	2
JPAC407	20	24	4	2010	415	973	83	303	49	10.8	33	4.1	19.2	3.2	7.7	1	6.1	0.7	102	40	32	3

Hole	From m	To m	Interval m	TREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy2O3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	Ga_2O_3 ppm	Th ppm	U ppm
JPAC407	24	28	4	388	84	179	15	49	9	1.5	6	0.9	5	0.9	2.9	0.4	2.9	0.4	32	27	37	2
JPAC407	28	32	4	577	131	247	29	102	15	2.8	9	1.3	5.3	1	2.6	0.4	2.2	0.3	29	33	36	4
JPAC407	32	36	4	1589	341	660	92	323	47	9.4	27	3.2	14.5	2.1	4.9	0.6	3.2	0.4	61	39	27	5
JPAC407	36	40	4	1323	304	555	76	250	35	8	22	2.5	11.8	1.8	4.2	0.4	2.5	0.4	50	40	30	4
JPAC407	40	42	2	2299	357	958	124	510	83	17.9	56	7	31.1	4.9	11.9	1.2	6.9	0.6	131	36	29	3

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Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections)

Criteria	JORC Code Explanation	Commentary
Table 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. • 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.	• Assay results for 145 Air Core (AC) holes drilled for 7,086 m are being reported. The holes were drilled for the purpose of resource definition for the Jupiter clay-hosted REE deposit. • The AC drill cuttings were collected from the drill rig cyclone in 1 m intervals into green plastic bags and arranged in rows on site for assay sampling. Composite samples typically representing 4 m intervals (range 2 to 6 m) were collected as appropriate using a sampling spear from the bulk one metre samples. • Drilling and sampling was supervised by a suitably qualified Critica Limited geologist. • Samples were submitted to commercial assay laboratory ALS Geochemistry ("ALS") for assay.
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..).	• This report is based on 145 holes drilled with a KL 150 AC rig operated by KTE Mining Services Pty Ltd. • The AC drilling was conducted with a 90mm blade and holes were drilled vertical and to blade refusal in near fresh rock.
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.	• The bulk AC samples were visually assessed and weighed at the drill rig. Samples are considered to be representative with good recovery. • Sample condition and recovery are recorded every metre. • Water table is recorded when intersected. Where water is encountered, there is limited impact on sample recovery.
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.	• All drill holes were qualitatively geologically logged by qualified Critica Limited geologists. • AC chips are sampled into chip trays and photographed. • Geological logging is of a standard considered appropriate for Mineral Resource Estimation.

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Criteria	JORC Code Explanation	Commentary
	• The total length and percentage of the relevant intersections logged.	•
Sub-sampling techniques and sample preparation	• If core, whether cut or sawn and whether quarter, half or all core taken. • 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.	• Drill composites of mainly 4 m length were collected using sampling spear from homogenised one metre samples. • Assay sample weights ranged between 1.2 to 3.9 kg for 4 metre composite samples with an average of 2.4 kg. Sample sizes are considered appropriate for the material sampled. • Commercial assay standards were included in the laboratory submittals at a rate of c. 1 per 13 samples with at least one standard included in each drill hole. • Field duplicate samples were collected at a rate of c. 1 per c. 8 samples. • Two duplicate samples per drill hole were inserted within the clay (upper saprolite) and saprolite (lower saprolite) zones to evaluate sampling error within the two dominant mineralised regolith units. • The average 4 m sample lengths are considered appropriate for the clay-hosted REE mineralisation.
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 and model, reading times, calibrations factors applied and their derivation, etc. • 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.	• All samples were submitted to ALS Geochemistry, Perth ("ALS") where they were oven dried then pulverized to P80 - 75 microns (method PUL-23). • Assaying of drill samples was conducted by ALS using a lithium borate fusion at 1025 deg C followed by nitric + hydrochloric + hydrofluoric acid digestion of the resultant glass bead and ICP-MS finish for 32 elements including full REE suite (ALS method ME-MS81). • Matrix-matched commercial Certified Reference Materials comprising of Jupiter clay-hosted REE mineralisation were used and represent grade ranges typical of the Jupiter mineralisation. • 94% of the client assay standards reported within two standard deviations of the REE+Y certified reference values for the range of interest (>1 ppm).
Verification of sampling and 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.	• AC, RC and diamond drill-hole twinned has been completed in previous programs. No drill-hole twinning was completed in the reported program. • The assay results are compatible with observed mineralogy. • Primary data is stored and documented in industry standard ways. • Critica Limited assay data is as reported by ALS and has not been adjusted in any way. • Remnant assay pulps are currently held in

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Criteria	JORC Code Explanation	Commentary
		storage by ALS to be returned to Critica Limited for storage.
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 locations were determined using a Stonex S900A DGPS with a nominal accuracy of +/- 0.4 metres. • All coordinates and maps presented here are in the MGA Zone 50 GDA94 system. • Topographic control is provided by Worldwide 3 arc second SRTM spot height data.
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.	• Drill holes reported have been drilled at a 125 x 125 metre spacing and form part of a resource definition program. Drill hole spacing is considered appropriate for the mineralisation style and resource classification. • The reported drilling is drilled along newly cleared tracks and existing pastoral station tracks on 125 metre spacing. • The assay results reported here are for four metre intervals (1-5 m for end of hole sample) composited from the bulk one metre AC sample intervals.
Orientation of data in relation to geological structure	• Whether the orientation of 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 mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	• The AC holes were drilled vertically along cleared and existing tracks. • The intersected clay and saprolite zones blanket weathered granitoid basement such that downhole thickness approximate true thickness.
Sample security	• The measures taken to ensure sample security.	• The chain of custody for all Critica Limited samples from collection to dispatch to assay laboratory was managed by Critica Limited personnel. • Sample numbers are unique and do not include any locational or interval information useful to non-Critica Limited personnel. • The level of security is considered appropriate for such exploration drilling.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• Duplicate sampling at a rate of c. 1 per c. 8 samples were used to evaluate sampling error and is considered acceptable for exploration and resource drilling. • The new drilling results are compatible with Critica Limited' previously reported RC and AC drilling results.

Section 2 Reporting of Exploration Results
(Criteria listed in the preceding section also apply to this section)

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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 licence to operate in the area.	• The Brothers REE Project consists of granted Exploration Licences E59/ 629, E59/2421, E59/2463, E59/2710, E59/2711, E59/2819, E59/2821, E59/2827, E59/2889, E59/2890, E59/2907, E59/2927, E59/2928, E59/2930 and E59/2977. All are 100% held by Tasmanian Rare Earth Pty Ltd a wholly owned subsidiary of Critica Limited.
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	• Documented previous explorers within the area now covered by the Brothers Project include North Flinders Mines Ltd, CRA Exploration Pty Ltd, Spark Energy Pty Ltd, Arcadia Minerals Ltd, Babalya Gold Pty Ltd, Burmine Ltd, Equigold NL, Equinox Resources NL, Jervois Mining Ltd, Minjar Gold Pty Ltd, Mount Magnet South NL, Sons of Gwalia Ltd and David Ross. • Refer to previous Critica Limited announcements to the ASX and also available from https://critica.limited
Geology	• Deposit type, geological setting and style of mineralisation.	• The Jupiter deposit is located within the Archaean Murchison Domain of the Youanmi Terrane, Yilgarn Craton.The Archaean basement throughout the Jupiter area is generally deeply weathered and extensively covered by Cenozoic alluvial and colluvial sand and gravel. • The Jupiter REE deposit and associated intrusion itself is completely concealed by alluvial and colluvial sand and hardpan within an area currently interpreted as the Big Bell Suite. • Regolith thickness is up to 100 metres across the entire extent of the Jupiter geophysical anomaly that is extensively mineralised at the >1,000 ppm TREO level. The regolith comprises of three main zones: transported cover, upper saprolitic clay and lower saprolite zone. • The basement beneath the Jupiter deposit comprises a zoned, heterogeneous medium to coarse grained intrusion that ranges from alkali gabbro and pyroxene syenite through monzodiorite and monzonite to granite. Geological logging of this unit is complemented with a full-suite of bottom of hole multi-element geochemistry for every drill hole. • Micro analytical testwork shows that the rare earth elements within the Jupiter deposit are hosted within the REE-phosphate minerals Florencite-Gorceixite-Goyazote, Monazite-Rhabdophane and Xenotime.
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 collar - elevation or RL (Reduced Level – elevation above sea	• Location and orientation details are given in Table 1. • Drill hole locations were determined using a Stonex S900A DGPS with a nominal accuracy of +/- 0.4 metres. • All coordinates and maps presented here are in the MGA Zone 50 GDA94 system. • Topographic control is provided by Worldwide 3 arc second SRTM spot height data.

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Criteria	JORC Code Explanation	Commentary
	level in metres) of the drill hole collar - 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 *ASX Announcements 9 May 2023, 1 August 2023, 9 November 2023, 29 November 2023, 9 February 2024, 8 March 2024, 16 April 2024, 23 May 2024, 5 June 2024, 17 June 2024, 17 July 2024 and 6 November 2024* for historical AC and RC drill results.
Data aggregation methods	• In reporting Exploration Results, weighting averaging 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 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. • The assumptions used for any reporting of metal equivalent values should be clearly stated.	• Full sample assay interval results without aggregation methods are given in Table 2. • Metal equivalents have not been applied. • Refer to *ASX Announcements 9 May 2023, 1 August 2023, 9 November 2023, 29 November 2023, 9 February 2024, 8 March 2024, 16 April 2024, 23 May 2024, 5 June 2024, 17 June 2024, 17 July 2024 and 6 November 2024* for historical AC and RC drill results. Standard element to oxide conversion factors have been used. Individual REE values in Table 1 and 2 are rounded to appropriately reflect reporting precision and the TREO field was calculated on an unrounded basis. La_2O_3 1.173 CeO_2 1.228 Pr_6O_{11} 1.208 Nd_2O_3 1.166 Sm_2O_3 1.16 Eu_2O_3 1.158 Gd_2O_3 1.153 Tb_4O_7 1.176 Dy_2O_3 1.148 Ho_2O_3 1.146 Er_2O_3 1.143 Tm_2O_3 1.142 Yb_2O_3 1.139 Lu_2O_3 1.137 Y_2O_3 1.27
Relationship between mineralisation widths and intercept lengths	• 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 (e.g. 'down hole length, true width not known').	• The intersected clay and saprolite zones blanket a weathered granitoid basement such that downhole thickness approximate true thickness.
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.	• Appropriate exploration maps are included in this release.
Balanced reporting	• Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high	• Complete assay results for the announced intersections are included in Table 2.

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	grades and/or widths should be practiced to avoid 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.	• Refer to *ASX Announcements 9 May 2023, 1 August 2023, 9 November 2023, 29 November 2023, 9 February 2024, 8 March 2024, 16 April 2024, 23 May 2024, 5 June 2024, 17 June 2024, 17 July 2024 and 6 November 2024* for historical AC and RC drill results, geochemical results and geophysical survey information. • A maiden inferred resource estimate of 1.78 billion tonnes at 1,651 ppm TREO at a 1,000 ppm TREO cut-off grade has been delivered. Refer to *ASX Announcement 11 February 2025.* • The program is part of a grid-based resource definition drill out. • Bulk density test work was completed in 2024/2025. Refer to *ASX Announcement 11 February 2025* for details and results. • Significant metallurgical testwork has been completed to date, including beneficiation, flotation, hydrometallurgy, Mixed Rare Earth Oxide and Carbonate production, and pilot plant program development and execution. Refer to *ASX Announcements 23 January 2025, 28 May 2025, 29 September 2025, 28 October 2025, 10 November 2025, 2 December 2025, 16 February 2026, 14 April 2026, and 18 May 2026* for metallurgical test work results. • Geotechnical and hydrogeological work have yet to be completed.
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.	• Results presented here are being used by SRK to upgrade this area from an inferred to indicated Mineral Resource Estimation. • Metallurgical test work to optimise the Jupiter flow sheet is ongoing with a pilot plant in operation at the GAVAQ metallurgical laboratory in Vietnam. • Hydrometallurgical test work is also being undertaken at ANSTO and Minutech to optmise the production of Mixed Rare Earth Carbonate and Oxide products. • Production of MREO and MREC for product qualification purposes. • Ongoing test work to establish and optimises biproduct development pathways (Fe, Ga, Y). • Appropriate exploration maps and cross sections are included in this release.

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