

ESI 3. The unassigned 1109 spectral lines of the Fe atom measured in the 170-600 nm wavelength region, not being able to compare to that shown in the reference..

No.	Wavelength (nm)	Intensity (a.u.)
1	170.03	59
2	170.066	34
3	171.257	88
4	171.738	146
5	172.713	130
6	172.869	31
7	174.626	22
8	174.662	28
9	174.855	108
10	175.011	157
11	175.312	29
12	175.517	62
13	175.926	28
14	177.033	17
15	177.514	31
16	177.55	40
17	178.044	153
18	178.08	70
19	178.477	44
20	180.005	36
21	180.498	28
22	181.714	95
23	181.786	24
24	182.111	28
25	182.315	49
26	182.34	28
27	182.424	54
28	182.556	74
29	182.761	84
30	183.784	43
31	183.844	21
32	185.059	56
33	187.959	24
34	188.308	23
35	188.849	32
36	189.247	125
37	189.475	49
38	190.666	16

No.	Wavelength (nm)	Intensity (a.u.)
39	191.052	18
40	191.413	40
41	192.078	61
42	192.986	29
43	193.172	40
44	193.568	37
45	193.814	156
46	193.913	48
47	194.82	178
48	195.197	47
49	195.731	50
50	195.901	42
51	196.046	21
52	196.142	30
53	196.588	55
54	196.684	34
55	196.768	62
56	196.828	38
57	196.971	96
58	197.735	30
59	198.02	41
60	198.481	20
61	198.693	20
62	198.717	93
63	199.608	37
64	200.214	20
65	202.941	19
66	203.796	22
67	204.265	29
68	205.196	24
69	205.582	21
70	206.031	95
71	206.141	48
72	206.468	26
73	206.663	34
74	206.848	24
75	207.118	40
76	208.469	159

No.	Wavelength (nm)	Intensity (a.u.)
77	208.682	26
78	209.789	25
79	211.674	19
80	211.991	23
81	212.042	39
82	212.489	32
83	213.114	29
84	217.843	50
85	220.47	38
86	221.253	28
87	223.217	41
88	223.338	25
89	223.687	33
90	223.711	36
91	226.374	27
92	226.531	27
93	231.422	83
94	234.204	41
95	244.899	34
96	248.581	39
97	255.312	29
98	257.523	26
99	261.628	28
100	262.195	50
101	262.797	50
102	264.34	27
103	268.713	43
104	274.852	24
105	279.831	164
106	280.108	214
107	280.91	47
108	282.968	63
109	285.993	32
110	290.7	65
111	294.174	25
112	294.413	36
113	295.176	29
114	297.419	39
115	298.301	145
116	299.362	49
117	301.448	35

No.	Wavelength (nm)	Intensity (a.u.)
118	302.3	33
119	304.852	36
120	308.213	101
121	310.452	31
122	310.476	40
123	310.869	136
124	311.845	52
125	313.618	24
126	315.14	138
127	317.066	24
128	321.284	34
129	322.103	133
130	323.871	26
131	324.679	44
132	325.13	91
133	325.213	38
134	325.331	36
135	325.64	47
136	325.853	52
137	325.96	71
138	326.269	24
139	326.387	31
140	326.625	49
141	327.016	79
142	327.396	22
143	328.487	40
144	328.997	39
145	329.151	59
146	329.281	31
147	329.708	39
148	329.863	48
149	329.91	33
150	329.993	29
151	330.1	47
152	330.23	30
153	331.333	26
154	331.665	35
155	331.807	39
156	331.89	40
157	332.151	87
158	332.519	31

No.	Wavelength (nm)	Intensity (a.u.)
159	332.649	27
160	333.017	38
161	333.218	23
162	333.882	26
163	334.273	24
164	334.747	61
165	334.878	142
166	335.008	42
167	335.091	38
168	335.221	41
169	335.814	61
170	337.473	28
171	337.627	44
172	338.599	30
173	339.096	47
174	340.174	32
175	340.388	112
176	340.53	55
177	340.625	43
178	340.909	22
179	342.093	32
180	342.141	43
181	342.307	43
182	343.053	170
183	343.432	35
184	343.562	58
185	344.32	60
186	344.651	37
187	345.551	33
188	346.088	54
189	346.147	57
190	346.195	33
191	346.254	30
192	348.42	194
193	348.444	57
194	348.633	35
195	348.894	150
196	349.308	43
197	349.592	75
198	349.876	38
199	349.958	66

No.	Wavelength (nm)	Intensity (a.u.)
200	350.254	57
201	350.301	41
202	350.431	33
203	350.597	41
204	350.798	40
205	351.247	40
206	351.59	50
207	351.72	402
208	351.779	42
209	351.815	42
210	352.843	92
211	353.21	39
212	353.623	109
213	353.895	60
214	354.403	39
215	354.509	87
216	354.781	39
217	355.265	60
218	355.903	39
219	356.198	39
220	357.284	36
221	357.579	50
222	357.709	150
223	357.957	40
224	358.334	52
225	358.417	92
226	358.818	72
227	359.915	41
228	360.469	38
229	361.105	51
230	361.577	33
231	362.685	90
232	362.967	44
233	364.063	440
234	364.31	44
235	364.334	74
236	364.616	39
237	365.311	32
238	365.346	39
239	365.841	30
240	366.594	32

No.	Wavelength (nm)	Intensity (a.u.)
241	368.521	46
242	368.875	38
243	369.099	70
244	369.146	31
245	369.488	262
246	370.607	82
247	370.83	120
248	371.019	64
249	371.089	41
250	371.525	62
251	372.314	108
252	372.973	188
253	373.984	97
254	376.829	31
255	377.205	31
256	377.276	25
257	377.57	27
258	378.169	29
259	378.544	39
260	379.707	27
261	380.786	29
262	380.845	28
263	381.678	39
264	382.358	126
265	383.015	49
266	383.179	86
267	383.366	139
268	383.601	40
269	383.659	48
270	383.812	35
271	383.882	45
272	384.234	76
273	384.445	91
274	384.855	67
275	385.042	58
276	385.382	40
277	385.698	81
278	385.85	94
279	386.061	258
280	386.19	48
281	386.249	47

No.	Wavelength (nm)	Intensity (a.u.)
282	386.342	53
283	386.869	29
284	387.021	44
285	387.63	36
286	388.04	32
287	388.356	91
288	388.402	61
289	388.777	44
290	389.022	69
291	389.139	60
292	389.443	34
293	389.479	113
294	389.642	82
295	390.085	32
296	390.191	227
297	391.225	30
298	391.554	28
299	391.636	38
300	393.386	75
301	393.703	51
302	393.926	33
303	393.949	73
304	394.407	85
305	394.783	71
306	394.935	149
307	395.087	44
308	395.158	304
309	395.217	84
310	395.428	37
311	395.838	49
312	396.002	126
313	396.061	51
314	396.155	272
315	396.272	84
316	396.471	26
317	397.092	39
318	397.256	36
319	397.327	46
320	397.456	33
321	397.877	167
322	397.936	42

No.	Wavelength (nm)	Intensity (a.u.)
323	398.229	39
324	398.463	50
325	398.65	136
326	399.47	35
327	399.786	147
328	400.874	37
329	401.681	51
330	401.95	165
331	402.301	55
332	402.5	36
333	402.722	28
334	402.815	25
335	403.072	4945
336	403.411	241
337	403.446	1932
338	403.528	27
339	403.575	39
340	403.855	51
341	404.872	38
342	405.549	44
343	405.595	70
344	405.899	28
345	406.214	43
346	406.599	73
347	407.031	56
348	407.416	57
349	407.532	37
350	407.882	40
351	408.29	35
352	408.768	47
353	408.897	32
354	409.06	188
355	409.13	24
356	409.188	181
357	409.293	27
358	409.561	32
359	409.922	27
360	410.004	99
361	411.469	109
362	411.633	28
363	411.738	29

No.	Wavelength (nm)	Intensity (a.u.)
364	412.743	228
365	413.607	71
366	413.794	48
367	414.063	37
368	414.144	30
369	414.635	25
370	414.961	50
371	415.113	48
372	415.918	38
373	416.035	28
374	416.257	25
375	417.05	45
376	417.131	70
377	417.726	68
378	417.936	42
379	417.959	23
380	418.367	29
381	418.402	37
382	418.647	27
383	419.276	23
384	419.579	28
385	420.022	34
386	420.464	35
387	420.534	29
388	420.581	40
389	421.268	22
390	421.489	60
391	422.071	54
392	422.35	176
393	422.699	79
394	423.095	23
395	423.467	24
396	424.409	27
397	424.572	24
398	425.432	118
399	426.164	45
400	428.08	61
401	428.185	26
402	428.475	31
403	428.626	25
404	428.916	110

No.	Wavelength (nm)	Intensity (a.u.)
405	429.508	26
406	430.424	30
407	430.598	102
408	430.702	35
409	431.201	23
410	431.363	29
411	432.082	95
412	432.186	45
413	432.221	40
414	432.384	44
415	432.628	432
416	432.86	36
417	432.895	46
418	433.15	35
419	433.208	39
420	433.243	31
421	433.359	44
422	433.441	36
423	433.684	79
424	434.114	37
425	434.671	50
426	434.868	218
427	434.984	34
428	435.065	34
429	435.692	64
430	436.121	96
431	436.828	48
432	437.025	73
433	437.164	44
434	437.257	48
435	437.871	38
436	438.74	65
437	438.879	51
438	438.902	69
439	439.284	177
440	439.342	44
441	439.654	75
442	439.851	34
443	440.059	45
444	440.372	48
445	441.39	41

No.	Wavelength (nm)	Intensity (a.u.)
446	443.286	127
447	443.771	35
448	444.418	93
449	444.464	38
450	444.799	129
451	445.122	45
452	445.85	48
453	445.873	50
454	446.034	82
455	446.715	65
456	447.061	46
457	447.2	42
458	447.373	43
459	447.938	193
460	448.676	41
461	448.722	52
462	449.39	133
463	449.759	194
464	449.805	54
465	449.828	73
466	449.943	49
467	450.22	48
468	450.3	61
469	450.427	208
470	450.692	73
471	450.899	42
472	451.567	53
473	451.808	184
474	452.108	72
475	452.464	63
476	452.706	91
477	452.821	153
478	453.027	66
479	453.131	109
480	453.212	48
481	453.316	65
482	453.339	78
483	453.846	51
484	454.389	115
485	454.515	283
486	454.746	61

No.	Wavelength (nm)	Intensity (a.u.)
487	455.092	57
488	455.23	52
489	455.369	52
490	455.392	82
491	455.426	49
492	455.738	102
493	455.864	70
494	456.164	57
495	457.212	78
496	457.489	44
497	457.604	80
498	457.673	58
499	457.696	46
500	457.719	48
501	457.88	92
502	457.984	53
503	458.168	60
504	458.444	65
505	458.732	63
506	458.882	65
507	458.928	112
508	459.135	71
509	459.192	94
510	459.307	81
511	459.399	64
512	459.756	109
513	459.917	50
514	460.078	54
515	460.274	82
516	460.618	54
517	461.044	62
518	461.182	98
519	461.492	85
520	462.124	51
521	462.377	68
522	462.538	65
523	462.63	48
524	462.676	85
525	462.905	67
526	462.951	50
527	463.077	53

No.	Wavelength (nm)	Intensity (a.u.)
528	463.135	52
529	463.25	54
530	463.433	52
531	463.766	85
532	463.858	85
533	463.881	50
534	463.939	82
535	464.248	54
536	464.363	74
537	464.558	62
538	464.627	76
539	464.868	65
540	465.258	68
541	465.74	97
542	465.969	62
543	466.692	57
544	466.829	134
545	466.898	54
546	467.104	67
547	467.265	66
548	467.356	67
549	467.402	84
550	467.585	83
551	467.62	61
552	467.803	98
553	467.952	87
554	468.009	59
555	468.158	102
556	468.307	81
557	468.536	213
558	468.662	59
559	468.903	160
560	468.925	62
561	468.983	67
562	469.086	61
563	469.212	85
564	469.418	82
565	469.578	58
566	469.67	57
567	469.876	59
568	469.933	79

No.	Wavelength (nm)	Intensity (a.u.)
569	470.31	78
570	470.345	60
571	470.562	63
572	470.608	65
573	470.985	76
574	471.077	74
575	471.145	66
576	471.317	218
577	472.129	85
578	472.312	60
579	472.357	334
580	472.437	62
581	472.46	54
582	472.655	62
583	472.677	70
584	473.614	95
585	473.831	183
586	473.923	66
587	473.957	74
588	474.342	57
589	474.743	245
590	474.869	45
591	475.04	67
592	475.086	48
593	475.35	262
594	475.682	52
595	475.842	84
596	475.922	68
597	476.163	69
598	476.254	149
599	476.289	139
600	476.472	88
601	476.552	82
602	476.575	89
603	476.598	78
604	476.655	102
605	476.895	65
606	477.216	57
607	477.353	50
608	477.479	81
609	477.731	56

No.	Wavelength (nm)	Intensity (a.u.)
610	477.822	91
611	477.891	62
612	477.914	77
613	477.959	45
614	478.051	57
615	478.257	53
616	478.348	374
617	478.382	77
618	478.428	80
619	479.446	63
620	479.48	54
621	479.526	66
622	479.811	53
623	479.914	97
624	479.994	53
625	480.028	52
626	480.52	106
627	480.737	53
628	480.885	68
629	481.456	97
630	481.479	65
631	481.65	59
632	481.719	69
633	482.038	60
634	482.358	179
635	482.472	74
636	482.529	81
637	482.575	64
638	482.86	56
639	482.974	56
640	483.145	60
641	483.168	58
642	483.248	74
643	483.339	72
644	483.373	59
645	483.419	63
646	484.217	60
647	484.365	59
648	484.468	90
649	484.764	54
650	484.844	56

No.	Wavelength (nm)	Intensity (a.u.)
651	485.026	81
652	485.083	56
653	485.311	64
654	485.414	56
655	485.687	58
656	485.847	77
657	485.938	88
658	486.018	71
659	486.234	110
660	486.405	83
661	486.803	70
662	487.486	55
663	487.646	179
664	487.68	71
665	487.782	61
666	487.93	63
667	487.976	63
668	488.124	111
669	488.692	269
670	488.783	74
671	488.954	63
672	488.999	54
673	489.431	73
674	489.557	79
675	489.625	93
676	489.704	61
677	489.954	65
678	490.045	64
679	490.182	84
680	490.386	64
681	490.432	63
682	491.125	69
683	491.454	53
684	491.556	84
685	491.965	88
686	492.249	66
687	492.283	69
688	492.771	129
689	493.009	102
690	493.248	75
691	494.008	64

No.	Wavelength (nm)	Intensity (a.u.)
692	494.053	81
693	494.144	81
694	494.756	90
695	495.028	61
696	495.063	54
697	495.19	44
698	495.237	49
699	495.445	46
700	495.608	54
701	496.025	63
702	496.152	174
703	496.372	84
704	496.708	94
705	496.905	41
706	496.963	43
707	497.241	45
708	497.276	50
709	497.843	72
710	498.167	54
711	498.433	55
712	498.931	59
713	498.966	57
714	499.104	82
715	499.671	62
716	499.833	83
717	499.868	51
718	499.949	63
719	499.972	53
720	500.064	124
721	500.11	100
722	501.324	183
723	501.416	81
724	501.694	63
725	501.728	60
726	502.664	186
727	502.929	67
728	503.218	64
729	503.841	50
730	503.991	53
731	504.452	59
732	504.533	47

No.	Wavelength (nm)	Intensity (a.u.)
733	504.706	61
734	504.89	52
735	505.028	58
736	505.075	67
737	505.317	70
738	505.363	48
739	505.962	52
740	506.146	49
741	506.354	49
742	506.4	58
743	506.814	51
744	507.114	59
745	507.356	58
746	507.505	64
747	508.483	53
748	508.76	83
749	509.174	48
750	509.266	54
751	509.473	118
752	509.519	64
753	509.576	60
754	509.622	98
755	509.806	60
756	510.312	46
757	510.346	180
758	511.151	83
759	511.197	57
760	511.909	62
761	512.093	73
762	512.919	296
763	512.942	78
764	513.034	57
765	513.562	93
766	513.837	74
767	514.72	68
768	515.339	68
769	515.545	60
770	516.431	48
771	516.961	60
772	517.26	50
773	517.375	61

No.	Wavelength (nm)	Intensity (a.u.)
774	517.444	51
775	517.559	51
776	517.605	52
777	518.008	79
778	518.089	90
779	518.537	56
780	519.825	62
781	519.894	56
782	520.284	207
783	521.1	141
784	521.123	124
785	522.018	45
786	522.075	63
787	522.202	118
788	522.5	58
789	523.085	46
790	523.234	115
791	523.888	56
792	524.335	55
793	525.48	224
794	525.629	64
795	525.869	64
796	526.098	58
797	526.19	61
798	526.27	52
799	527.094	59
800	527.128	57
801	527.163	72
802	527.266	54
803	527.655	61
804	528.146	92
805	528.832	54
806	528.924	80
807	529.506	63
808	530.078	110
809	530.409	53
810	530.854	70
811	531.733	51
812	531.972	57
813	532.349	60
814	532.463	103

No.	Wavelength (nm)	Intensity (a.u.)
815	532.736	128
816	533.17	58
817	533.511	68
818	533.603	66
819	533.751	55
820	534.058	125
821	534.172	116
822	534.207	244
823	534.377	207
824	534.537	61
825	534.628	123
826	534.765	72
827	534.81	58
828	534.844	56
829	535.459	277
830	536.654	505
831	536.824	53
832	536.859	61
833	537.545	47
834	538.026	54
835	538.106	43
836	538.22	49
837	538.426	64
838	538.769	50
839	539.467	63
840	540.107	92
841	540.164	58
842	540.335	65
843	540.929	56
844	541.169	101
845	541.363	99
846	541.58	115
847	541.602	96
848	541.637	81
849	541.682	80
850	541.785	131
851	541.899	85
852	541.956	93
853	541.991	96
854	542.082	91
855	542.15	118

No.	Wavelength (nm)	Intensity (a.u.)
856	542.23	402
857	542.493	92
858	542.607	87
859	543.097	92
860	543.257	90
861	543.587	54
862	543.849	52
863	544.385	105
864	544.829	225
865	544.932	50
866	545.034	224
867	545.114	90
868	545.33	185
869	545.422	75
870	545.456	209
871	545.843	103
872	545.866	218
873	546.025	53
874	546.116	67
875	546.241	111
876	546.366	58
877	546.514	85
878	546.742	47
879	546.901	54
880	548.334	75
881	548.425	48
882	548.481	95
883	549.413	100
884	549.606	57
885	550.015	70
886	550.083	79
887	550.219	79
888	550.798	87
889	550.821	81
890	550.9	83
891	551.479	82
892	551.615	187
893	551.83	115
894	551.875	66
895	552.046	67
896	552.125	68

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No.	Wavelength (nm)	Intensity (a.u.)
897	552.227	61
898	552.352	74
899	552.476	68
900	552.635	75
901	552.669	80
902	552.782	88
903	552.839	73
904	552.941	70
905	553.054	57
906	553.258	62
907	553.417	61
908	553.587	65
909	553.723	93
910	553.745	78
911	554.187	57
912	554.266	128
913	554.368	74
914	554.515	63
915	554.73	73
916	554.877	103
917	554.979	101
918	555.013	60
919	555.07	58
920	555.115	67
921	555.319	65
922	555.454	96
923	555.511	91
924	555.76	60
925	555.862	66
926	556.653	54
927	556.698	55
928	556.823	48
929	557.105	91
930	557.173	62
931	557.207	71
932	557.229	77
933	557.388	50
934	557.433	70
935	557.478	53
936	557.749	210
937	557.851	59

No.	Wavelength (nm)	Intensity (a.u.)
938	558.225	62
939	558.532	79
940	558.873	49
941	559.043	54
942	559.271	205
943	559.293	49
944	559.384	49
945	559.498	42
946	559.623	57
947	559.702	42
948	559.725	67
949	559.827	78
950	559.861	111
951	559.918	55
952	560.497	69
953	560.952	46
954	560.986	52
955	561.02	58
956	561.247	59
957	561.292	54
958	561.394	93
959	561.462	72
960	561.632	61
961	561.848	68
962	561.984	250
963	562.234	72
964	562.256	67
965	562.517	92
966	562.653	117
967	562.687	54
968	562.733	51
969	562.914	69
970	563.039	126
971	563.254	89
972	563.322	70
973	563.447	72
974	563.492	64
975	564.761	83
976	564.795	63
977	565.044	56
978	565.1	66

No.	Wavelength (nm)	Intensity (a.u.)
979	565.191	81
980	565.304	59
981	565.44	55
982	565.836	94
983	566.616	61
984	566.661	51
985	566.695	51
986	567.136	71
987	567.317	51
988	567.362	54
989	567.611	54
990	568.108	58
991	568.82	53
992	568.854	219
993	569.057	74
994	569.384	58
995	569.474	50
996	569.655	58
997	569.903	69
998	570.828	130
999	571.245	62
1000	571.572	58
1001	571.685	73
1002	572.057	64
1003	572.226	82
1004	572.316	85
1005	572.575	72
1006	572.71	62
1007	572.732	187
1008	572.789	58
1009	573.385	110
1010	573.993	60
1011	574.331	103
1012	574.432	60
1013	574.556	65
1014	574.634	91
1015	574.691	84
1016	575.59	310
1017	575.657	87
1018	575.702	104
1019	575.736	91

No.	Wavelength (nm)	Intensity (a.u.)
1020	575.849	58
1021	576.141	73
1022	576.904	198
1023	577.073	69
1024	577.185	58
1025	577.286	58
1026	577.432	61
1027	577.533	66
1028	578.263	53
1029	578.936	105
1030	578.969	57
1031	579.888	52
1032	580.154	43
1033	580.188	64
1034	580.515	51
1035	580.593	59
1036	581.213	70
1037	581.585	236
1038	581.777	52
1039	581.9	51
1040	582.486	60
1041	583.127	64
1042	583.172	213
1043	583.206	151
1044	583.229	117
1045	583.251	68
1046	583.274	83
1047	583.319	66
1048	583.375	97
1049	583.454	81
1050	583.701	51
1051	583.791	53
1052	583.881	71
1053	584.016	62
1054	584.454	144
1055	586.027	148
1056	586.274	90
1057	586.464	91
1058	586.487	78
1059	586.565	78
1060	586.678	143

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No.	Wavelength (nm)	Intensity (a.u.)
1061	586.992	58
1062	587.059	74
1063	587.149	64
1064	587.653	76
1065	587.687	126
1066	587.81	106
1067	587.911	105
1068	589.446	73
1069	589.636	83
1070	589.871	145
1071	590.072	85
1072	590.117	62
1073	590.442	59
1074	590.464	57
1075	590.755	75
1076	591.057	77
1077	591.09	57
1078	591.113	195
1079	591.18	131
1080	591.235	104
1081	591.303	107
1082	591.481	58
1083	591.683	66
1084	591.962	64
1085	592.085	71

No.	Wavelength (nm)	Intensity (a.u.)
1086	592.118	52
1087	592.196	51
1088	592.275	95
1089	592.397	52
1090	592.464	91
1091	592.732	55
1092	592.822	216
1093	593.079	58
1094	593.134	66
1095	593.291	204
1096	593.491	95
1097	593.614	188
1098	593.726	80
1099	593.782	63
1100	593.882	68
1101	595.32	86
1102	596.111	108
1103	598.425	223
1104	598.447	77
1105	598.88	82
1106	599.025	66
1107	599.069	67
1108	599.369	68
1109	599.869	67