

ESI 1. The measured 1356 spectral lines of the Fe atom in the 170-600 nm wavelength region, comparing to that shown in the reference.

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
1	170.559	91	170.5443	Fe II	$3d^6(^3F1)4s$	$3d^5(^2F1)4s4p(^3P^o)$	[1]
2	170.667	25	170.6676	Fe II	$3d^6(^5D)4s$	$3d^6(^3F2)4p$	[1]
3	172.063	21	172.061363	Fe II	$3d^7$	$3d^6(^3H)4p$	[1]
4	173.206	20	173.19623	Fe II	$3d^6(^5D)4p$	$3d^6(^5D)5d$	[1]
5	173.279	20	173.28703	Fe II	$3d^54s^2$	$3d^6(^3F2)5p$	[1]
6	174.241	17	174.25542	Fe II	$3d^6(^3F1)4s$	$3d^6(^5D)6p$	[1]
7	176.191	41	176.2037	Fe I	$3d^64s^2$	$3d^64s(^6D)6p$	[2]
8	177.177	51	177.1893	Fe II	$3d^54s^2$	$3d^6(^3H)5p$	[1]
9	177.454	39	177.44655	Fe II	$3d^54s^2$	$3d^6(^5D_2)5f$	[1]
10	177.647	25	177.6418	Fe II	$3d^54s^2$	$3d^6(^3F2)5p$	[1]
11	178.585	21	178.5921	Fe II	$3d^6(^5D)4s$	$3d^6(^3F2)4p$	[1]
12	180.426	55	180.41653	Fe II	$3d^6(^5D)4p$	$3d^6(^5D)6s$	[1]
13	180.583	69	180.5716	Fe II	$3d^6(^3D)4s$	$3d^6(^3P1)4p$	[1]
14	181.606	20	181.6086	Fe II	$3d^6(^5D)4p$	$3d^6(^5D)6s$	[1]
15	183.182	21	183.17545	Fe II	$3d^6(^5D)4s$	$3d^6(^3F2)4p$	[1]
16	183.723	18	183.7114	Fe II	$3d^6(^1D2)4s$	$3d^6(^3F1)4p$	[1]
17	183.82	28	183.8056	Fe II	$3d^6(^3H)4p$	$3d^6(^3D)4d$	[1]
18	184.445	48	184.431035	Fe II	$3d^5(^6S)4s4p(^3P^o)$	$3d^54s(^7S)4d$	[1]
19	184.927	32	184.938315	Fe II	$3d^5(^6S)4s4p(^3P^o)$	$3d^54s(^7S)4d$	[1]
20	185.011	23	185.0215	Fe II	$3d^6(^3D)4s$	$3d^6(^5D)5p$	[1]
21	185.119	18	185.1248	Fe I	$3d^64s^2$	$3d^7(^4F)5p$	[2]
22	185.288	30	185.30283	Fe II	$3d^54s^2$	$3d^5(^2F1)4s4p(^3P^o)$	[1]
23	187.261	86	187.264216	Fe II	$3d^54s^2$	$3d^5(^2F1)4s4p(^3P^o)$	[1]
24	187.345	20	187.3363	Fe II	$3d^54s^2$	$3d^6(^5D)6p$	[1]
25	187.393	24	187.3854	Fe II	$3d^6(^3H)4p$	$3d^6(^5D)6d$	[1]
26	187.658	64	187.65585	Fe II	$3d^54s^2$	$3d^6(^5D)6p$	[1]
27	188.609	38	188.59876	Fe II	$3d^54s^2$	$3d^5(^2F1)4s4p(^3P^o)$	[1]
28	188.91	161	188.9026	Fe II	$3d^6(^3H)4p$	$3d^6(^5D)6d$	[1]
29	189.03	31	189.0256	Fe II	$3d^7$	$3d^6(^3G)4p$	[1]
30	189.054	26	189.064143	Fe II	$3d^54s^2$	$3d^6(^5D)6p$	[1]
31	189.162	19	189.17438	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
32	189.355	27	189.3636	Fe II	$3d^5(^6S)4s4p(^3P^o)$	$3d^6(^5D)6d$	[1]
33	189.86	22	189.8537	Fe II	$3d^7$	$3d^6(^3D)4p$	[1]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
34	190.859	30	190.8681	Fe II	$3d^54s^2$	$3d^5(^4F)4s4p(^3P^o)$	[1]
35	191.617	55	191.61323	Fe II	$3d^6(^5D)4s$	$3d^6(^3P2)4p$	[1]
36	192.24	62	192.2273	Fe II	$3d^6(^3H)4s$	$3d^6(^1I)4p$	[1]
37	192.415	31	192.422	Fe I	$3d^64s^2$	$3d^7(^2P)4p$	[2]
38	193.457	45	193.4535	Fe I	$3d^64s^2$	$3d^6(^5D)4s(^6D)5p$	[2]
39	193.888	24	193.87719	Fe II	$3d^6(^3P1)4s$	$3d^5(^4F)4s4p(^3P^o)$	[1]
40	195.489	32	195.4866	Fe II	$3d^6(^3F2)4p$	$3d^6(^3D)4d$	[1]
41	196.021	22	196.01439	Fe I	$3d^64s^2$	$3d^6(^5D)4s(^6D)5p$	[2]
42	196.227	25	196.227911	Fe II	$3d^54s^2$	$3d^6(^3P2)5p$	[1]
43	196.359	25	196.36336	Fe I	$3d^64s^2$	$3d^6(^5D)4s(^6D)5p$	[2]
44	197.246	32	197.24426	Fe II	$3d^54s^2$	$3d^5(^4F)4s4p(^3P^o)$	[1]
45	197.497	26	197.48326	Fe II	$3d^54s^2$	$3d^5(^4F)4s4p(^3P^o)$	[1]
46	197.889	39	197.8918	Fe II	$3d^7$	$3d^6(^3G)4p$	[1]
47	198.646	20	198.64176	Fe II	$3d^6(^3P2)4s$	$3d^6(^1S2)4p$	[1]
48	198.764	26	198.7514	Fe II	$3d^6(^3H)4p$	$3d^6(^5D)7s$	[1]
49	198.976	23	198.9766	Fe II	$3d^54s^2$	$3d^6(^5D)6p$	[1]
50	199.351	47	199.35721	Fe II	$3d^54s^2$	$3d^6(^5D)6p$	[1]
51	200.828	45	200.8233	Fe I	$3d^7(^4F)4s$	$3d^64s(^6D)6p$	[2]
52	202.827	54	202.8198	Fe II	$3d^7$	$3d^6(^3P2)4p$	[1]
53	203.053	33	203.0644	Fe II	$3d^6(^3F2)4s$	$3d^6(^3D)4p$	[1]
54	203.896	33	203.9106	Fe II	$3d^6(^3F2)4s$	$3d^6(^3D)4p$	[1]
55	205.229	50	205.2287	Fe II	$3d^6(^3P2)4s$	$3d^6(^3D)4p$	[1]
56	205.296	31	205.2853	Fe II	$3d^7$	$3d^5(^5S)4s4p(^3P^o)$	[1]
57	205.747	27	205.73325	Fe II	$3d^7$	$3d^6(^3F2)4p$	[1]
58	205.867	208	205.8577	Fe II	$3d^6(^3F2)4p$	$3d^6(^5D)7s$	[1]
59	206.555	29	206.56889	Fe II	$3d^54s^2$	$3d^5(^2F1)4s4p(^3P^o)$	[1]
60	206.826	192	206.8319	Fe II	$3d^6(^1D2)4s$	$3d^6(^1F)4p$	[1]
61	207.345	51	207.3525	Fe II	$3d^6(^3F1)4s$	$3d^5(^4D)4s4p(^3P^o)$	[1]
62	207.754	26	207.75029	Fe I	$3d^7(^4F)4s$	$3d^6(^3F2)4s4p(^1P^o)$	[2]
63	207.957	95	207.94912	Fe II	$3d^54s^2$	$3d^5(^2F1)4s4p(^3P^o)$	[1]
64	208.139	34	208.1295	Fe II	$3d^7$	$3d^6(^3F2)4p$	[1]
65	208.851	29	208.8631	Fe II	$3d^6(^3G)4p$	$3d^6(^5D)6d$	[1]
66	208.894	282	208.8837	Fe II	$3d^7$	$3d^6(^3P2)4p$	[1]
67	209.19	125	209.20126	Fe II	$3d^6(^3H)4p$	$3d^6(^3G)4d$	[1]
68	209.453	52	209.46335	Fe II	$3d^7$	$3d^6(^3G)4p$	[1]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
69	211.817	20	211.81974	Fe II	$3d^7$	$3d^6(^3G)4p$	[1]
70	212.509	23	212.51681	Fe II	$3d^7$	$3d^6(^3F1)4p$	[1]
71	214.035	31	214.02894	Fe II	$3d^6(^3F2)4p$	$3d^6(^3G)4d$	[1]
72	214.107	25	214.10858	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
73	214.131	22	214.145	Fe II	$3d^6(^3F2)4p$	$3d^6(^3G)4d$	[1]
74	215.011	24	215.01847	Fe I	$3d^64s^2$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
75	215.168	75	215.16953	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)5p$	[2]
76	215.481	46	215.47561	Fe II	$3d^6(^3P2)4p$	$3d^6(^5D)5d$	[1]
77	215.71	24	215.72446	Fe II	$3d^6(^3F2)4p$	$3d^6(^3G)4d$	[1]
78	216.156	34	216.1579	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
79	216.409	28	216.4038	Fe II	$3d^6(^1D2)4s$	$3d^6(^1F)4p$	[1]
80	218.651	378	218.64868	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
81	219.108	32	219.12042	Fe I	$3d^64s^2$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
82	219.181	282	219.18389	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
83	219.602	167	219.60418	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
84	220.699	45	220.70684	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
85	221.591	41	221.6	Fe II	$3d^7$	$3d^6(^3H)4p$	[1]
86	221.699	21	221.70608	Fe II	$3d^6(^3H)4s$	$3d^6(^3G)4p$	[1]
87	221.723	29	221.73238	Fe II	$3d^6(^3H)4p$	$3d^6(^3F2)4d$	[1]
88	222.012	33	221.998	Fe II	$3d^6(^3F2)4s$	$3d^6(^3D)4p$	[1]
89	222.771	30	222.76128	Fe II	$3d^6(^3H)4s$	$3d^6(^3G)4p$	[1]
90	222.94	22	222.92801	Fe II	$3d^6(^3P2)4p$	$3d^6(^3H)4d$	[1]
91	223.988	46	223.98044	Fe II	$3d^6(^3H)4p$	$3d^6(^3F2)4d$	[1]
92	224.073	26	224.06297	Fe I	$3d^7(^4F)4s$	$3d^6(^1G2)4s4p(^3P^o)$	[2]
93	224.278	42	224.27807	Fe I	$3d^64s^2$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
94	225.145	31	225.15542	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
95	228.494	36	228.4877	Fe II	$3d^6(^3H)4p$	$3d^6(^3H)4d$	[1]
96	230.362	79	230.35805	Fe I	$3d^64s^2$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
97	230.831	29	230.82953	Fe II	$3d^6(^3F2)4p$	$3d^6(^3F2)4d$	[1]
98	232.421	63	232.40818	Fe II	$3d^6(^3P2)4p$	$3d^6(^3P2)4d$	[1]
99	232.699	39	232.7006	Fe II	$3d^6(^3P2)4p$	$3d^6(^3F2)4d$	[1]
100	233.132	107	233.13081	Fe II	$3d^7$	$3d^6(^5D)4p$	[1]
101	234.349	1773	234.34948	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
102	234.831	520	234.830221	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
103	235.12	60	235.12007	Fe II	$3d^6(^3H)4s$	$3d^6(^3F2)4p$	[1]

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104	235.3	24	235.30237	Fe II	$3d^6(^3G)4p$	$3d^6(^3G)4d$	[1]
105	235.842	28	235.8516	Fe II	$3d^6(^3H)4p$	$3d^6(^3H)4d$	[1]
106	235.939	138	235.94961	Fe II	$3d^6(^3D)4p$	$3d^6(^5D)6d$	[1]
107	236.921	74	236.9237	Fe II	$3d^6(^3F)4s$	$3d^6(^3F)4p$	[1]
108	237.043	41	237.049867	Fe II	$3d^7$	$3d^6(^5D)4p$	[1]
109	237.115	74	237.11746	Fe II	$3d^6(^3G)4p$	$3d^6(^3G)4d$	[1]
110	238.534	156	238.5382	Fe II	$3d^6(^3P)4p$	$3d^6(^3P)4d$	[1]
111	240.472	1545	240.4639	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)5p$	[2]
112	240.92	59	240.9296	Fe II	$3d^6(^3G)4p$	$3d^6(^3F)4d$	[1]
113	240.98	49	240.985873	Fe II	$3d^6(^3F)4p$	$3d^6(^3F)4d$	[1]
114	241.319	248	241.33101	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
115	242.348	30	242.34993	Fe II	$3d^6(^3F)4p$	$3d^6(^3F)4d$	[1]
116	243.219	96	243.226088	Fe II	$3d^6(^3F)4s$	$3d^6(^3F)4p$	[1]
117	243.557	34	243.5608	Fe II	$3d^6(^3F)4p$	$3d^6(^3F)4d$	[1]
118	243.823	56	243.81824	Fe I	$3d^7(^4F)4s$	$3d^6(^3G)4s4p(^3P^{\circ})$	[2]
119	244.016	89	244.01096	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^1P^{\circ})$	[2]
120	244.56	138	244.55729	Fe II	$3d^6(^3P)4s$	$3d^6(^3P)4p$	[1]
121	246.131	173	246.128325	Fe II	$3d^6(^3G)4s$	$3d^6(^3G)4p$	[1]
122	246.191	288	246.186072	Fe II	$3d^6(^3G)4s$	$3d^6(^3G)4p$	[1]
123	247.869	82	247.857194	Fe II	$3d^6(^3F)4s$	$3d^6(^3F)4p$	[1]
124	248.146	71	248.15782	Fe II	$3d^6(^1G)4s$	$3d^6(^1I)4p$	[1]
125	248.653	1203	248.6493	Fe II	$3d^6(^1I)4p$	$3d^6(^5D)6d$	[1]
126	250.799	634	250.79001	Fe I	$3d^7(^4F)4s$	$3d^6(^3G)4s4p(^3P^{\circ})$	[2]
127	251.1	3755	251.1026	Fe I	$3d^6(^5D)4s4p(^3P^{\circ})$	$3d^64s(^6D_{7/2})6d$	[2]
128	251.823	3715	251.81015	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^1P^{\circ})$	[2]
129	252.376	485	252.3661	Fe I	$3d^64s^2$	$3d^6(^3F)4s4p(^1P^{\circ})$	[2]
130	253.303	166	253.31414	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^1P^{\circ})$	[2]
131	253.568	1666	253.56068	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^1P^{\circ})$	[2]
132	254.747	37	254.733807	Fe II	$3d^6(^3H)4s$	$3d^6(^3H)4p$	[1]
133	255.084	106	255.0811	Fe I	$3d^7(^4F)4s$	$3d^7(^4P)4p$	[2]
134	255.42	38	255.4071	Fe I	$3d^6(^5D)4s4p(^3P^{\circ})$	$3d^64s(^4D)4d$	[2]
135	257.583	96	257.57451	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^1P^{\circ})$	[2]
136	257.619	57	257.6045	Fe II	$3d^6(^3G)4p$	$3d^6(^3F)4d$	[1]
137	258.155	70	258.1626	Fe II	$3d^6(^5D)4d$	$3d^6(^3H_5)4f$	[1]
138	258.264	129	258.258297	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]

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139	258.927	27	258.9123	Fe II	$3d^6(^3D)4p$	$3d^6(^5D)6d$	[1]
140	259.156	94	259.154258	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
141	259.289	79	259.278411	Fe II	$3d^6(^1I)4s$	$3d^6(^1I)4p$	[1]
142	259.844	554	259.836894	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
143	260.519	46	260.531027	Fe II	$3d^6(^3D)4s$	$3d^6(^3D)4p$	[1]
144	260.688	1032	260.68261	Fe I	$3d^7(^4F)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
145	260.965	29	260.9697	Fe II	$3d^6(^3F_2)4p$	$3d^6(^5D)6s$	[1]
146	261.194	870	261.187336	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
147	261.809	135	261.80179	Fe I	$3d^7(^4F)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
148	262.171	50	262.166881	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
149	262.568	252	262.566685	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
150	263.002	44	263.007118	Fe II	$3d^6(^3F_2)4s$	$3d^6(^3H)4p$	[1]
151	263.219	189	263.22375	Fe I	$3d^7(^4F)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
152	263.279	38	263.2708	Fe II	$3d^6(^5D)4d$	$3d^6(^3H_4)4f$	[1]
153	263.533	33	263.54001	Fe II	$3d^6(^3H)4s$	$3d^6(^3F_2)4p$	[1]
154	263.798	73	263.7865	Fe II	$3d^5 4s^2$	$3d^6(^3F_1)4p$	[1]
155	264.28	43	264.276	Fe II	$3d^6(^5D)4d$	$3d^6(^3P_2)4f$	[1]
156	264.822	46	264.8165	Fe I	$3d^7(^4F)4s$	$3d^7(^2G)4p$	[2]
157	265.533	159	265.5364	Fe II	$3d^6(^5D)4p$	$3d^6(^5D)5s$	[1]
158	265.702	33	265.71698	Fe II	$3d^6(^3F_2)4p$	$3d^6(^3F_2)5s$	[1]
159	265.774	30	265.78619	Fe II	$3d^6(^1G_1)4s$	$3d^6(^4G)4s4p(^3P^o)$	[1]
160	265.967	151	265.9664	Fe II	$3d^6(^3G)4p$	$3d^6(^3H)4d$	[1]
161	267.135	151	267.13918	Fe II	$3d^6(^5D)4p$	$3d^6(^5D)4d$	[1]
162	267.677	39	267.68793	Fe II	$3d^6(^3F_1)4s$	$3d^6(^3P_1)4p$	[1]
163	267.797	51	267.78287	Fe II	$3d^6(^3G)4p$	$3d^6(^3H)4d$	[1]
164	268.749	18	268.74141	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6 4s(^6D)5d$	[2]
165	269.243	118	269.25175	Fe II	$3d^6(^3G)4p$	$3d^6(^3G)5s$	[1]
166	269.459	46	269.45357	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6 4s(^6D)5d$	[2]
167	270.097	37	270.11044	Fe II	$3d^5(^6S)4s4p(^1P^o)$	$3d^5 4s(^5S)4d$	[1]
168	270.362	248	270.3763	Fe II	$3d^6(^3D)4p$	$3d^6(^3G)4d$	[1]
169	270.832	29	270.84168	Fe II	$3d^6(^3H)4p$	$3d^6(^3F_2)5s$	[1]
170	271.169	135	271.1655	Fe I	$3d^7(^4F)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
171	271.446	74	271.441261	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
172	271.831	341	271.84361	Fe I	$3d^7(^4F)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
173	273.095	34	273.09818	Fe I	$3d^7(^4F)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
174	274.358	133	274.35652	Fe I	$3d^7(^4F)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
175	275.273	22	275.2765	Fe II	$3d^6(^3G)4p$	$3d^6(^5D)6s$	[1]
176	276.199	176	276.20264	Fe I	$3d^7(^4F)4s$	$3d^6(^3P_2)4s4p(^3P^o)$	[2]
177	276.307	99	276.31094	Fe I	$3d^7(^4F)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
178	276.62	54	276.6193	Fe II	$3d^6(^1G_2)4s$	$3d^6(^3G)4p$	[1]
179	276.692	52	276.69089	Fe I	$3d^7(^4F)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
180	276.897	29	276.89343	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
181	277.354	69	277.36604	Fe II	$3d^6(^3D)4p$	$3d^6(^3D)5s$	[1]
182	277.931	47	277.92998	Fe II	$3d^6(^3H)4s$	$3d^6(^3H)4p$	[1]
183	279.001	30	279.00452	Fe II	$3d^6(^3F_2)4p$	$3d^6(^3F_2)5s$	[1]
184	279.133	29	279.1297	Fe II	$3d^6(^1F)4p$	$3d^6(^3H)6s$	[1]
185	279.314	25	279.32418	Fe II	$3d^6(^3D)4s$	$3d^6(^3D)4p$	[1]
186	279.362	29	279.3708	Fe II	$3d^5 4s^2$	$3d^6(^3F_1)4p$	[1]
187	279.422	91	279.4143	Fe I	$3d^7(^4P)4s$	$3d^7(^4F)5p$	[2]
188	280.264	61	280.2601	Fe II	$3d^6(^3G)4s$	$3d^6(^3P_2)4p$	[1]
189	280.456	656	280.45201	Fe I	$3d^7(^4F)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
190	280.946	181	280.9435	Fe II	$3d^6(^3G)4p$	$3d^6(^3P_2)4d$	[1]
191	281.329	8769	281.32863	Fe I	$3d^7(^4F)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
192	281.389	27	281.4006	Fe II	$3d^5(^6S)4s4p(^3P^o)$	$3d^6(^5D)5d$	[1]
193	281.461	55	281.4702	Fe II	$3d^6(^3D)4s$	$3d^6(^3F_2)4p$	[1]
194	281.58	25	281.584	Fe I	$3d^7(^4P)4s$	$3d^7(^2D_2)4p$	[2]
195	281.748	38	281.75036	Fe I	$3d^7(^4F)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
196	282.262	154	282.2673	Fe II	$3d^6(^3H)4s$	$3d^6(^3H)4p$	[1]
197	282.358	40	282.3511	Fe I	$3d^6 4s^2$	$3d^7(^4F)5p$	[2]
198	283.159	72	283.15608	Fe II	$3d^6(^3P_2)4s$	$3d^6(^3P_2)4p$	[1]
199	283.494	48	283.5007	Fe II	$3d^6(^3F_2)4p$	$3d^6(^3F_2)5s$	[1]
200	283.949	80	283.951279	Fe II	$3d^6(^5D)4p$	$3d^6(^5D)5s$	[1]
201	284.451	66	284.4413	Fe I	$3d^6 4s^2$	$3d^7(^4F_{7/2})4f$	[2]
202	284.929	33	284.91697	Fe II	$3d^6(^3P_2)4p$	$3d^6(^3P_2)5s$	[1]
203	285.108	28	285.093	Fe II	$3d^6(^3G)4p$	$3d^6(^3F_2)4d$	[1]
204	285.694	55	285.69088	Fe II	$3d^6(^5D)4p$	$3d^6(^5D)5s$	[1]
205	285.742	149	285.7419	Fe II	$3d^6(^3G)4s$	$3d^6(^3H)4p$	[1]
206	286.256	26	286.24945	Fe I	$3d^7(^4F)4s$	$3d^6(^3P_2)4s4p(^3P^o)$	[2]
207	286.34	66	286.34298	Fe I	$3d^7(^4F)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
208	286.519	32	286.5253	Fe II	$3d^6(^1D_2)4s$	$3d^6(^1G_2)4p$	[1]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
209	286.674	62	286.66247	Fe I	$3d^7(^4F)4s$	$3d^6(^3P_2)4s4p(^3P^{\circ})$	[2]
210	286.734	22	286.73092	Fe I	$3d^7(^4F)4s$	$3d^6(^3F_2)4s4p(^3P^{\circ})$	[2]
211	287.021	67	287.00862	Fe II	$3d^6(^3D)4p$	$3d^6(^5D)5d$	[1]
212	287.415	120	287.4172	Fe I	$3d^64s^2$	$3d^7(^4F)4p$	[2]
213	287.834	36	287.8211	Fe II	$3d^6(^5D)4p$	$3d^64s^2$	[1]
214	288.359	21	288.37101	Fe II	$3d^6(^3H)4s$	$3d^6(^3H)4p$	[1]
215	288.479	27	288.47642	Fe II	$3d^6(^5D)4p$	$3d^6(^5D)5s$	[1]
216	288.813	28	288.80956	Fe II	$3d^6(^3P_2)4s$	$3d^6(^3P_2)4p$	[1]
217	289.411	25	289.4067	Fe II	$3d^6(^3D)4s$	$3d^6(^3G)4p$	[1]
218	289.458	62	289.4504	Fe I	$3d^64s^2$	$3d^7(^2D_2)4p$	[2]
219	289.566	32	289.5757	Fe II	$3d^7$	$3d^6(^3G)4p$	[1]
220	289.948	54	289.94144	Fe I	$3d^64s^2$	$3d^7(^2D_2)4p$	[2]
221	290.438	34	290.4373	Fe II	$3d^6(^3G)4s$	$3d^6(^3P_2)4p$	[1]
222	290.987	28	290.9973	Fe II	$3d^6(^3F_2)4s$	$3d^5(^6S)4s4p(^3P^{\circ})$	[1]
223	291.011	51	290.9973	Fe II	$3d^6(^3F_2)4s$	$3d^5(^6S)4s4p(^3P^{\circ})$	[1]
224	291.906	28	291.9085	Fe II	$3d^6(^3D)4p$	$3d^6(^3F_2)4d$	[1]
225	291.93	35	291.92131	Fe I	$3d^6(^5D)4s4p(^3P^{\circ})$	$3d^64s(^6D)5d$	[2]
226	292.241	26	292.23789	Fe I	$3d^7(^4F)4s$	$3d^7(^4P)4p$	[2]
227	292.276	22	292.26232	Fe I	$3d^6(^5D)4s4p(^3P^{\circ})$	$3d^64s(^6D)5d$	[2]
228	292.384	46	292.38524	Fe I	$3d^7(^2G)4s$	$3d^7(^2H)4p$	[2]
229	292.539	45	292.53575	Fe I	$3d^7(^2G)4s$	$3d^6(^1I)4s4p(^3P^{\circ})$	[2]
230	293.017	156	293.0278	Fe II	$3d^6(^3D)4p$	$3d^6(^3F_2)4d$	[1]
231	293.339	19	293.3479	Fe II	$3d^7$	$3d^6(^3G)4p$	[1]
232	293.78	150	293.78065	Fe I	$3d^6(^5D)4s4p(^3P^{\circ})$	$3d^64s(^6D)5d$	[2]
233	294.437	42	294.439523	Fe II	$3d^7$	$3d^6(^5D)4p$	[1]
234	294.628	60	294.6181	Fe II	$3d^7$	$3d^6(^3G)4p$	[1]
235	294.795	3687	294.78758	Fe I	$3d^64s^2$	$3d^7(^4F)4p$	[2]
236	294.926	33	294.918121	Fe II	$3d^6(^3G)4s$	$3d^6(^3F_2)4p$	[1]
237	295.021	226	295.02411	Fe I	$3d^6(^5D)4s4p(^3P^{\circ})$	$3d^64s(^6D)5d$	[2]
238	295.308	177	295.2941	Fe II	$3d^6(^3D)4p$	$3d^54s(^7S)4d$	[1]
239	295.463	33	295.46521	Fe I	$3d^64s^2$	$3d^7(^2D_2)4p$	[2]
240	295.57	864	295.5608	Fe II	$3d^54s^2$	$3d^6(^5D)6p$	[1]
241	295.666	32	295.67012	Fe I	$3d^6(^5D)4s4p(^3P^{\circ})$	$3d^7(^4F)6s$	[2]
242	296	221	295.9992	Fe I	$3d^7(^2G)4s$	$3d^6(^1G_2)4s4p(^3P^{\circ})$	[2]
243	296.322	473	296.3304	Fe I	$3d^6(^5D)4s4p(^3P^{\circ})$	$3d^64s(^6D_{3/2})6d$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
244	297.526	34	297.5287	Fe I	$3d^6 4s^2$	$3d^7(^4F)5p$	[2]
245	298.146	3720	298.14448	Fe I	$3d^6 4s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
246	298.265	135	298.2514	Fe II	$3d^6(^3G)4p$	$3d^6(^3H)4d$	[1]
247	298.361	11739	298.35695	Fe I	$3d^6 4s^2$	$3d^7(^4F)4p$	[2]
248	299.04	87	299.03913	Fe I	$3d^7(^2G)4s$	$3d^6(^1G_2)4s4p(^3P^o)$	[2]
249	299.16	35	299.16312	Fe I	$3d^6 4s^2$	$3d^7(^4F)5p$	[2]
250	299.565	58	299.5594	Fe I	$3d^6 4s^2$	$3d^6(^3D)4s4p(^3P^o)$	[2]
251	299.636	32	299.63855	Fe I	$3d^6 4s^2$	$3d^7(^2D_2)4p$	[2]
252	299.708	42	299.6944	Fe II	$3d^6(^1G_2)4p$	$3d^5 4s(^7S)4d$	[1]
253	299.946	6968	299.95116	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
254	300.304	187	300.30305	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
255	301.209	41	301.2187	Fe II	$3d^6(^3F_1)4s$	$3d^6(^4P)4s4p(^3P^o)$	[1]
256	301.341	57	301.3489	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6 4s(^6D_{7/2})6d$	[2]
257	301.615	72	301.61845	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
258	301.758	360	301.7627	Fe I	$3d^6 4s^2$	$3d^7(^4F)4p$	[2]
259	301.948	34	301.9378	Fe II	$3d^6(^3G)4p$	$3d^6(^3F_2)5s$	[1]
260	302.109	19585	302.10725	Fe I	$3d^6 4s^2$	$3d^7(^4F)4p$	[2]
261	302.157	119	302.1622	Fe II	$3d^6(^3G)4p$	$3d^6(^3G)5s$	[1]
262	302.217	33	302.2269	Fe II	$3d^6(^1I)4p$	$3d^6(^3H)4d$	[1]
263	302.407	1811	302.40324	Fe I	$3d^6 4s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
264	302.586	2940	302.58422	Fe I	$3d^6 4s^2$	$3d^7(^4F)4p$	[2]
265	303.016	207	303.01481	Fe I	$3d^6 4s^2$	$3d^7(^2H)4p$	[2]
266	304.125	79	304.1184	Fe II	$3d^6(^1S_2)4p$	$3d^5 4s(^7S)4d$	[1]
267	304.208	72	304.20194	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
268	304.268	151	304.26646	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
269	304.387	34	304.3796	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6 4s(^6D_{5/2})6d$	[2]
270	304.507	171	304.50782	Fe I	$3d^7(^4F)4s$	$3d^5(^6S)4s^2 4p$	[2]
271	304.554	91	304.55885	Fe I	$3d^6 4s^2$	$3d^7(^2H)4p$	[2]
272	304.602	25	304.6055	Fe II	$3d^6(^3P_2)4p$	$3d^6(^3P_2)5s$	[1]
273	305.305	30	305.30654	Fe I	$3d^6 4s^2$	$3d^7(^2P)4p$	[2]
274	305.913	13373	305.90856	Fe I	$3d^6 4s^2$	$3d^7(^4F)4p$	[2]
275	306.33	29	306.3151	Fe I	$3d^7(^4P)4s$	$3d^7(^2P)4p$	[2]
276	306.545	49	306.53149	Fe II	$3d^7$	$3d^6(^3F_2)4p$	[1]
277	307.093	123	307.0785	Fe I	$3d^7(^2D_2)4s$	$3d^6 4s(^4D)5p$	[2]
278	307.439	37	307.44367	Fe II	$3d^6(^3D)4p$	$3d^6(^3H)4d$	[1]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
279	307.701	43	307.7013	Fe I	$3d^7(^2G)4s$	$3d^64s(^6D)6p$	[2]
280	307.808	43	307.80155	Fe I	$3d^7(^4F)4s$	$3d^5(^6S)4s^24p$	[2]
281	307.868	81	307.868001	Fe II	$3d^6(^5D)4p$	$3d^6(^5D)5s$	[1]
282	308.38	367	308.37407	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
283	308.57	27	308.5734	Fe II	$3d^6(^3F2)4p$	$3d^6(^3P2)5s$	[1]
284	309.273	128	309.27815	Fe I	$3d^7(^4F)4s$	$3d^5(^6S)4s^24p$	[2]
285	309.511	62	309.5216	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^6D)5d$	[2]
286	309.797	145	309.7959	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4p(^3P)$	[2]
287	310.035	593	310.03033	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
288	311.035	36	311.02757	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^4D)4d$	[2]
289	311.321	24	311.3245	Fe II	$3d^6(^1G2)4p$	$3d^6(^5D)5d$	[1]
290	311.928	30	311.9181	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^6D_{9/2})6d$	[2]
291	312.047	28	312.04351	Fe I	$3d^64s^2$	$3d^7(^2H)4p$	[2]
292	312.38	22	312.3725	Fe II	$3d^54s^2$	$3d^6(^3P1)4p$	[1]
293	312.535	46	312.5269	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
294	314.046	31	314.03896	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)4d$	[2]
295	314.141	236	314.1512	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^6D_{9/2})6d$	[2]
296	314.224	42	314.2228	Fe II	$3d^7$	$3d^6(^5D)4p$	[1]
297	314.403	97	314.39903	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)4d$	[2]
298	315.675	136	315.6894	Fe I	$3d^7(^2H)4s$	$3d^6(^3H)4s4p(^1P^o)$	[2]
299	316.198	49	316.19461	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
300	316.341	27	316.3372	Fe I	$3d^7(^2G)4s$	$3d^7(^4F)5p$	[2]
301	316.472	149	316.4811	Fe I	$3d^7(^2G)4s$	$3d^7(^4F)5p$	[2]
302	316.567	39	316.56478	Fe II	$3d^6(^1G1)4s$	$3d^6(^3F1)4p$	[1]
303	316.852	63	316.852	Fe I	$3d^7(^4P)4s$	$3d^7(^4F)5p$	[2]
304	317.66	35	317.6677	Fe II	$3d^54s^2$	$3d^5(^4D)4s4p(^3P^o)$	[1]
305	317.839	33	317.85362	Fe I	$3d^64s^2$	$3d^6(^1G2)4s4p(^3P^o)$	[2]
306	318.076	144	318.07552	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
307	318.148	21	318.15192	Fe I	$3d^64s^2$	$3d^7(^2P)4p$	[2]
308	318.362	25	318.35749	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
309	318.492	658	318.48945	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
310	318.884	123	318.88188	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
311	319.169	865	319.1659	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
312	319.752	385	319.75138	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)4d$	[2]
313	319.811	41	319.8032	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^6D)5d$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
314	319.858	566	319.8475	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^6D)5d$	[2]
315	320.239	26	320.2353	Fe II	$3d^6(^5D)4p$	$3d^6(^5D)5s$	[1]
316	321.331	34	321.330896	Fe II	$3d^7$	$3d^6(^5D)4p$	[1]
317	321.438	1413	321.43956	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
318	321.735	204	321.7377	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
319	321.96	557	321.95819	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
320	322.577	4420	322.5787	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
321	322.886	68	322.88984	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
322	322.91	141	322.91201	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
323	323.1	227	323.09634	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
324	323.242	1953	323.232	Fe II	$3d^6(^1G_2)4p$	$3d^6(^3G)5s$	[1]
325	323.396	263	323.39672	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
326	323.622	1294	323.62221	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
327	324.347	39	324.33994	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)4d$	[2]
328	324.418	1030	324.41874	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
329	324.762	36	324.75439	Fe II	$3d^6(^3D)4s$	$3d^5(^6S)4s4p(^3P^o)$	[1]
330	324.833	158	324.8204	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
331	325.035	95	325.03966	Fe I	$3d^7(^4P)4s$	$3d^7(^2P)4p$	[2]
332	325.296	27	325.29142	Fe I	$3d^64s^2$	$3d^7(^2H)4p$	[2]
333	325.438	120	325.43617	Fe I	$3d^7(^2H)4s$	$3d^6(^1I)4s4p(^3P^o)$	[2]
334	325.675	32	325.67005	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^4D)4d$	[2]
335	325.758	47	325.75924	Fe I	$3d^7(^4P)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
336	326.008	31	325.99892	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
337	326.506	213	326.50467	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
338	327.265	46	327.25962	Fe I	$3d^7(^4F)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
339	327.443	42	327.44506	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)4d$	[2]
340	327.645	39	327.64702	Fe I	$3d^7(^4P)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
341	327.668	26	327.66018	Fe II	$3d^7$	$3d^6(^3H)4p$	[1]
342	327.728	61	327.7349	Fe II	$3d^6(^5D)4s$	$3d^6(^5D)4p$	[1]
343	328.024	99	328.02602	Fe I	$3d^7(^2H)4s$	$3d^6(^1I)4s4p(^3P^o)$	[2]
344	328.677	788	328.67528	Fe I	$3d^7(^4P)4s$	$3d^5(^6S)4s^24p$	[2]
345	329.068	25	329.0712	Fe I	$3d^7(^4P)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
346	329.127	80	329.1129	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)5f$	[1]
347	329.198	94	329.20206	Fe I	$3d^7(^2D_2)4s$	$3d^6(^1G_2)4s4p(^3P^o)$	[2]
348	329.258	60	329.25893	Fe I	$3d^7(^4P)4s$	$3d^5(^6S)4s^24p$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
349	329.827	42	329.8132	Fe I	$3d^7(^4P)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
350	332.246	44	332.24727	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)6s$	[2]
351	332.364	62390	332.37362	Fe I	$3d^7(^4P)4s$	$3d^7(^2D2)4p$	[2]
352	332.471	54	332.47818	Fe I	$3d^64s^2$	$3d^7(^4F)5p$	[2]
353	332.756	64	332.74955	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
354	333.159	32	333.16109	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
355	333.182	23	333.17748	Fe I	$3d^64s^2$	$3d^7(^2P)4p$	[2]
356	333.763	31	333.76649	Fe I	$3d^7(^2G)4s$	$3d^7(^2H)4p$	[2]
357	333.906	46	333.91944	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
358	334.06	27	334.05641	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
359	334.7	38	334.69343	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
360	334.806	45	334.79253	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
361	335.15	46	335.15216	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
362	335.411	39	335.40591	Fe I	$3d^7(^4P)4s$	$3d^7(^2D2)4p$	[2]
363	335.624	31	335.63123	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
364	336.217	76	336.22679	Fe I	$3d^64s^2$	$3d^7(^4F)5p$	[2]
365	337.07	232	337.07832	Fe I	$3d^7(^2G)4s$	$3d^7(^2H)4p$	[2]
366	338.006	88	338.01098	Fe I	$3d^7(^2G)4s$	$3d^7(^2H)4p$	[2]
367	338.385	147	338.39788	Fe I	$3d^7(^4P)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
368	338.978	171	338.97416	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
369	339.274	12975	339.26521	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
370	339.452	45	339.45829	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
371	339.701	29	339.69753	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
372	339.772	30	339.7638	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
373	340.151	50	340.15185	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
374	340.222	78	340.2256	Fe I	$3d^7(^2H)4s$	$3d^6(^1G2)4s4p(^3P^o)$	[2]
375	341.134	58	341.13529	Fe I	$3d^7(^2G)4s$	$3d^7(^2D2)4p$	[2]
376	341.312	842	341.31321	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
377	341.548	54	341.5531	Fe I	$3d^7(^4P)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
378	341.785	10752	341.78403	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
379	341.845	189	341.85069	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
380	342.425	295	342.42842	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
381	342.496	81	342.501	Fe I	$3d^7(^2G)4s$	$3d^7(^2D2)4p$	[2]
382	342.863	250	342.8748	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^4D)4d$	[2]
383	343.657	55	343.64672	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)5f$	[1]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
384	343.834	61	343.83063	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^4D)4d$	[2]
385	343.893	68	343.90355	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
386	344.059	65527	344.06057	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
387	344.095	64227	344.09885	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
388	344.19	113	344.19044	Fe II	$3d^6(^5D)4p$	$3d^54s^2$	[1]
389	344.391	9727	344.38763	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
390	344.509	446	344.51489	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
391	344.568	53	344.57643	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^4D)4d$	[2]
392	344.864	176	344.87813	Fe I	$3d^7(^4P)4s$	$3d^7(^2H)4p$	[2]
393	345.03	120	345.03279	Fe I	$3d^7(^4P)4s$	$3d^6(^3P_2)4s4p(^3P^o)$	[2]
394	345.196	117	345.19142	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
395	345.232	103	345.22744	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
396	345.303	96	345.30201	Fe I	$3d^7(^2G)4s$	$3d^7(^2D_2)4p$	[2]
397	345.362	121	345.36155	Fe II	$3d^6(^5D)4p$	$3d^54s^2$	[1]
398	345.421	14283	345.41496	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)5f$	[1]
399	345.835	61	345.83031	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
400	345.93	209	345.94262	Fe I	$3d^7(^2G)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
401	346.052	2787	346.04365	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)5f$	[1]
402	346.337	50	346.33026	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
403	346.585	22218	346.58604	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
404	346.656	6564	346.64985	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
405	347.118	101	347.12654	Fe I	$3d^7(^4P)4s$	$3d^6(^3P_2)4s4p(^3P^o)$	[2]
406	347.544	49660	347.545	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
407	348.243	56	348.24173	Fe II	$3d^6(^5D)4p$	$3d^54s^2$	[1]
408	348.539	98	348.534	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
409	348.965	86	348.96675	Fe I	$3d^64s^2$	$3d^7(^2H)4p$	[2]
410	349.532	122	349.52865	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
411	349.994	741	349.9881	Fe II	$3d^6(^1G_2)4s$	$3d^6(^3F_2)4p$	[3]
412	350.36	139	350.3474	Fe II	$3d^7$	$3d^6(^5D)4p$	[5]
413	350.514	35	350.50583	Fe I	$3d^7(^2P)4s$	$3d^7(^2D_2)4p$	[2]
414	351.377	1330	351.38177	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
415	352.122	1654	352.1261	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
416	352.181	76	352.18366	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
417	352.229	76	352.22678	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^5D)4d$	[2]
418	352.465	109	352.45186	Fe I	$3d^7(^2G)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
419	352.985	183	352.98196	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
420	353.044	58	353.03865	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
421	353.174	45	353.1644	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_0)5f$	[1]
422	353.316	419	353.31979	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
423	353.659	927	353.65556	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
424	353.789	195	353.78947	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
425	353.848	70	353.8553	Fe I	$3d^64s^2$	$3d^5(^5S)4s^24p$	[2]
426	354.013	120	354.01209	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
427	354.379	40	354.36746	Fe I	$3d^7(^2P)4s$	$3d^7(^2D_2)4p$	[2]
428	354.568	131	354.56397	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
429	354.805	49	354.80204	Fe I	$3d^7(^2P)4s$	$3d^7(^2P)4p$	[2]
430	355.371	226	355.37383	Fe I	$3d^7(^2H)4s$	$3d^7(^2H)4p$	[2]
431	355.489	4917	355.49243	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
432	355.95	43	355.9503	Fe I	$3d^7(^2P)4s$	$3d^7(^2D_2)4p$	[2]
433	356.068	42	356.06965	Fe I	$3d^7(^2D_2)4s$	$3d^6(^3D)4s4p(^3P^o)$	[2]
434	356.54	37041	356.53787	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
435	356.706	72	356.70309	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
436	356.847	15258	356.84322	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
437	357.119	206	357.12254	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
438	357.201	453	357.1995	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
439	357.26	46	357.25903	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
440	357.343	61	357.33934	Fe I	$3d^7(^2D_2)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
441	357.603	57	357.59772	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
442	357.673	73	357.67584	Fe I	$3d^7(^2H)4s$	$3d^6(^3D)4s4p(^3P^o)$	[2]
443	357.839	52	357.83822	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
444	357.874	84	357.8676	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
445	358.122	65527	358.11928	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
446	358.216	315	358.21996	Fe I	$3d^7(^2H)4s$	$3d^6(^3D)4s4p(^3P^o)$	[2]
447	358.252	84	358.2564	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
448	358.499	806	358.49574	Fe I	$3d^7(^2H)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
449	358.535	3750	358.53187	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
450	358.57	1578	358.57051	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
451	358.617	958	358.61124	Fe I	$3d^7(^2H)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
452	358.7	3342	358.69845	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
453	358.771	135	358.775156	Fe I			[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
454	358.912	142	358.91048	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
455	359.467	335	359.4632	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
456	359.584	50	359.58643	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
457	359.632	54	359.61957	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
458	359.95	78	359.96249	Fe I	$3d^7(^2H)4s$	$3d^6(^1G2)4s4p(^3P^o)$	[2]
459	360.881	25988	360.88591	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
460	361.011	1712	361.01588	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
461	361.212	231	361.20684	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
462	361.329	45	361.31445	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
463	361.659	57	361.6565	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^4D)4d$	[2]
464	361.777	575	361.77858	Fe I	$3d^7(^2P)4s$	$3d^7(^2P)4p$	[2]
465	362.048	40	362.04654	Fe I	$3d^7(^2D2)4s$	$3d^7(^4F)5p$	[2]
466	362.143	1003	362.14604	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
467	362.202	601	362.20031	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
468	362.319	495	362.31858	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
469	362.378	66	362.37728	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
470	362.484	38	362.489	Fe II	$3d^6(^1S2)4s$	$3d^6(^3P2)4p$	[5]
471	362.52	131	362.51415	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
472	362.802	65	362.80914	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
473	363.026	192	363.03475	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
474	363.144	61943	363.14629	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
475	363.203	278	363.20386	Fe I	$3d^7(^2P)4s$	$3d^7(^2P)4p$	[2]
476	363.25	89	363.25551	Fe I	$3d^64s^2$	$3d^7(^2D2)4p$	[2]
477	363.285	107	363.29767	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
478	363.368	2741	363.38266	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
479	363.474	119	363.46967	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5d$	[2]
480	364.039	930	364.03883	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
481	364.263	44	364.2538	Fe II	$3d^5(^4P)4s4p(^3P^o)$	$3d^6(^5D)6d$	[1]
482	364.393	1334	364.37935	Fe I	$3d^7(^2D2)4s$	$3d^7(^4F)5p$	[2]
483	364.487	220	364.47949	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
484	364.546	55	364.54937	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
485	364.581	106	364.58199	Fe I	$3d^7(^2P)4s$	$3d^7(^2P)4p$	[2]
486	365.005	205	365.00294	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
487	365.028	332	365.0279	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
488	365.146	1131	365.14667	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
489	365.37	42	365.37543	Fe I	$3d^6 4s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
490	365.947	259	365.95166	Fe I	$3d^6 4s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
491	366.041	42	366.0326	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
492	366.088	43	366.07888	Fe II	$3d^5(^6S)4s4p(^1P^o)$	$3d^5 4s(^7S)5s$	[1]
493	366.276	39	366.28373	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6 4s(^4D)4d$	[2]
494	366.323	73	366.32589	Fe I	$3d^6 4s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
495	366.406	3790	366.396	Fe I	$3d^6 4s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
496	366.723	223	366.72529	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
497	366.912	140	366.91516	Fe I	$3d^6 4s^2$	$3d^7(^2D)4p$	[2]
498	366.947	596	366.95209	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
499	367.17	48	367.16876	Fe I	$3d^7(^2G)4s$	$3d^6(^3F)4s4p(^3P^o)$	[2]
500	367.394	40	367.40404	Fe I	$3d^7(^2H)4s$	$3d^7(^4F)5p$	[2]
501	367.488	112	367.47634	Fe I	$3d^7(^4P)4s$	$3d^7(^2P)4p$	[2]
502	367.629	289	367.63107	Fe I	$3d^6 4s^2$	$3d^6(^3F)4s4p(^3P^o)$	[2]
503	367.888	69	367.88601	Fe I	$3d^6 4s^2$	$3d^6(^3P)4s4p(^3P^o)$	[2]
504	367.994	26192	367.99131	Fe I	$3d^6 4s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
505	368.745	5938	368.74564	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
506	368.84	36	368.84602	Fe I	$3d^7(^2D)4s$	$3d^7(^4F)5p$	[2]
507	369.075	93	369.07264	Fe I	$3d^7(^2H)4s$	$3d^7(^2H)4p$	[2]
508	369.311	38	369.3026	Fe I	$3d^6 4s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
509	369.594	43	369.60299	Fe I	$3d^6 4s^2$	$3d^6(^3P)4s4p(^3P^o)$	[2]
510	369.865	44	369.86026	Fe I	$3d^7(^2P)4s$	$3d^7(^2D)4p$	[2]
511	369.912	57	369.91384	Fe I	$3d^7(^2P)4s$	$3d^6(^5D)4s(^6D)5p$	[2]
512	370.112	1517	370.1086	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
513	370.206	53	370.20291	Fe I	$3d^7(^4P)4s$	$3d^7(^2P)4p$	[2]
514	370.253	34	370.24917	Fe I	$3d^7(^4P)4s$	$3d^6(^3F)4s4p(^3P^o)$	[2]
515	370.701	278	370.70442	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
516	370.925	9971	370.92461	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
517	371.125	163	371.12224	Fe I	$3d^6 4s^2$	$3d^6(^3F)4s4p(^3P^o)$	[2]
518	371.148	91	371.1408	Fe I	$3d^7(^2P)4s$	$3d^7(^2P)4p$	[2]
519	371.596	110	371.59113	Fe I	$3d^6 4s^2$	$3d^6(^3P)4s4p(^3P^o)$	[2]
520	371.643	577	371.64419	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
521	371.843	178	371.84062	Fe I	$3d^7(^2G)4s$	$3d^6(^3F)4s4p(^3P^o)$	[2]
522	371.996	65527	371.99345	Fe I	$3d^6 4s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
523	372.255	53014	372.25627	Fe I	$3d^6 4s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
524	372.443	478	372.43767	Fe I	$3d^6 4s^2$	$3d^6(^3P_2) 4s 4p(^3P^0)$	[2]
525	372.537	65	372.54906	Fe I	$3d^7(^2G) 4s$	$3d^6(^3G) 4s 4p(^3P^0)$	[2]
526	372.714	9305	372.70922	Fe I	$3d^6(^5D) 4s 4p(^3P^0)$	$3d^6(^5D) 4s (^6D) 4d$	[2]
527	372.867	74	372.86678	Fe I	$3d^6 4s^2$	$3d^7(^2G) 4p$	[2]
528	373.09	160	373.0946	Fe I	$3d^6 4s^2$	$3d^6(^3F_2) 4s 4p(^3P^0)$	[2]
529	373.137	125	373.13734	Fe I	$3d^6 4s^2$	$3d^6(^3G) 4s 4p(^3P^0)$	[2]
530	373.243	1573	373.23961	Fe I	$3d^7(^4P) 4s$	$3d^7(^4P) 4p$	[2]
531	373.337	29097	373.33173	Fe I	$3d^6 4s^2$	$3d^6(^5D) 4s 4p(^3P^0)$	[2]
532	373.49	65527	373.48636	Fe I	$3d^7(^4F) 4s$	$3d^7(^4F) 4p$	[2]
533	373.537	1109	373.53235	Fe I	$3d^6(^5D) 4s 4p(^3P^0)$	$3d^6(^5D) 4s (^6D) 4d$	[2]
534	373.714	65527	373.71313	Fe I	$3d^6 4s^2$	$3d^6(^5D) 4s 4p(^3P^0)$	[2]
535	373.832	606	373.83049	Fe I	$3d^7(^2H) 4s$	$3d^7(^2H) 4p$	[2]
536	373.914	94	373.91156	Fe I	$3d^7(^4P) 4s$	$3d^6(^3F_2) 4s 4p(^3P^0)$	[2]
537	373.949	152	373.95229	Fe I	$3d^7(^2D_2) 4s$	$3d^6(^3G) 4s 4p(^3P^0)$	[2]
538	374.22	68	374.21403	Fe I	$3d^6(^5D) 4s 4p(^3P^0)$	$3d^6(^5D) 4s (^4D) 4d$	[2]
539	374.373	249	374.37763	Fe I	$3d^7(^2G) 4s$	$3d^6(^3H) 4s 4p(^3P^0)$	[2]
540	374.596	37799	374.58993	Fe I	$3d^6 4s^2$	$3d^6(^5D) 4s 4p(^3P^0)$	[2]
541	374.831	65527	374.82619	Fe I	$3d^6 4s^2$	$3d^6(^5D) 4s 4p(^3P^0)$	[2]
542	374.949	65527	374.94851	Fe I	$3d^7(^4F) 4s$	$3d^7(^4F) 4p$	[2]
543	375.184	52	375.18212	Fe I	$3d^7(^2G) 4s$	$3d^6(^3G) 4s 4p(^3P^0)$	[2]
544	375.325	175	375.31375	Fe I	$3d^6 4s^2$	$3d^6(^3H) 4s 4p(^3P^0)$	[2]
545	375.36	308	375.36107	Fe I	$3d^7(^4P) 4s$	$3d^6(^3P_2) 4s 4p(^3P^0)$	[2]
546	375.454	41	375.44999	Fe I	$3d^6(^5D) 4s 4p(^3P^0)$	$3d^6(^5D) 4s (^6D) 4d$	[2]
547	375.607	52	375.6068	Fe I	$3d^7(^4P) 4s$	$3d^6(^3F_2) 4s 4p(^3P^0)$	[2]
548	375.701	108	375.69371	Fe I	$3d^7(^2H) 4s$	$3d^6(^1G_2) 4s 4p(^3P^0)$	[2]
549	375.819	59850	375.82327	Fe I	$3d^7(^4F) 4s$	$3d^7(^4F) 4p$	[2]
550	375.924	53	375.91545	Fe I	$3d^6 4s^2$	$3d^7(^2H) 4p$	[2]
551	376.007	2809	376.00494	Fe I	$3d^6 4s^2$	$3d^6(^3H) 4s 4p(^3P^0)$	[2]
552	376.054	186	376.05316	Fe I	$3d^7(^4P) 4s$	$3d^7(^4P) 4p$	[2]
553	376.136	39	376.14083	Fe I	$3d^6 4s^2$	$3d^7(^2G) 4p$	[2]
554	376.383	35229	376.37888	Fe I	$3d^7(^4F) 4s$	$3d^7(^4F) 4p$	[2]
555	376.665	76	376.6659	Fe I	$3d^6(^5D) 4s 4p(^3P^0)$	$3d^6(^5D) 4s (^6D) 4d$	[2]
556	376.724	16518	376.71915	Fe I	$3d^7(^4F) 4s$	$3d^7(^4F) 4p$	[2]
557	377.006	74	376.99871	Fe I	$3d^6(^5D) 4s 4p(^3P^0)$	$3d^6(^5D) 4s (^6D) 4d$	[2]
558	377.252	59	377.25828	Fe I	$3d^7(^2P) 4s$	$3d^7(^4F) 5p$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
559	377.37	31	377.36913	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
560	377.487	44	377.4824	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
561	377.652	213	377.64545	Fe I	$3d^7(^4P)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
562	377.71	1798	377.70663	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
563	377.828	27	377.83144	Fe I	$3d^7(^4P)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
564	377.851	59	377.85088	Fe I	$3d^7(^2D2)4s$	$3d^7(^2D2)4p$	[2]
565	378.122	49	378.1186	Fe I	$3d^7(^4P)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
566	378.673	395	378.66766	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
567	378.791	4532	378.78799	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
568	378.92	62	378.91758	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
569	378.944	54	378.95736	Fe I	$3d^64s^2$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
570	379.178	36	379.17421	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
571	379.214	122	379.21542	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
572	379.39	53	379.38714	Fe I	$3d^7(^4P)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
573	379.437	1013	379.43395	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
574	379.495	6042	379.50019	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
575	379.754	791	379.75146	Fe I	$3d^7(^2H)4s$	$3d^7(^2H)4p$	[2]
576	379.847	4077	379.85111	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
577	379.953	8046	379.95473	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
578	380.2	48	380.19837	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
579	380.399	33	380.40092	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
580	380.587	39	380.5789	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^4D)4d$	[2]
581	380.622	56	380.62164	Fe I	$3d^7(^2P)4s$	$3d^7(^2P)4p$	[2]
582	380.751	216	380.75366	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
583	380.962	43	380.95641	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
584	381.08	42	381.07554	Fe I	$3d^7(^2D2)4s$	$3d^7(^2D2)4p$	[2]
585	381.115	33	381.10348	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
586	381.455	342	381.45229	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
587	381.584	65527	381.584	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
588	381.948	68	381.9493	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
589	382.041	65527	382.04249	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
590	382.112	1067	382.11776	Fe I	$3d^7(^2H)4s$	$3d^7(^2H)4p$	[2]
591	382.182	174	382.18342	Fe I	$3d^64s^2$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
592	382.593	65527	382.58809	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
593	382.78	41256	382.78224	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
594	382.851	53	382.85037	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
595	382.944	55	382.94516	Fe I	$3d^7(^2D)4s$	$3d^7(^2P)4p$	[2]
596	382.98	231	382.9764	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
597	383.331	203	383.33079	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
598	383.425	38614	383.42222	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
599	383.636	168	383.63301	Fe I	$3d^7(^2D)4s$	$3d^7(^2D)4p$	[2]
600	383.929	650	383.92556	Fe I	$3d^7(^2G)4s$	$3d^6(^3F)4s4p(^3P^o)$	[2]
601	384.046	13961	384.04372	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
602	384.105	22737	384.10477	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
603	384.327	784	384.32565	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
604	384.597	33	384.59849	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
605	384.644	68	384.64091	Fe I	$3d^7(^2H)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
606	384.995	4622	384.99664	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
607	385.077	1305	385.08176	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
608	385.253	160	385.25724	Fe I	$3d^7(^4P)4s$	$3d^6(^3P)4s4p(^3P^o)$	[2]
609	385.429	96	385.43663	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
610	385.534	51	385.53135	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
611	385.64	65527	385.63713	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
612	385.921	2068	385.92123	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
613	385.991	65527	385.99111	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
614	386.553	2947	386.55228	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
615	386.717	346	386.72157	Fe I	$3d^7(^2P)4s$	$3d^7(^2P)4p$	[2]
616	387.173	109	387.17477	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
617	387.244	4425	387.25009	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
618	387.291	65	387.2921	Fe I	$3d^7(^2G)4s$	$3d^6(^3F)4s4p(^3P^o)$	[2]
619	387.372	917	387.37603	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
620	387.607	46	387.60397	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
621	387.794	5041	387.8018	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
622	387.852	65383	387.8573	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
623	388.203	194	388.19734	Fe I	$3d^7(^2D)4s$	$3d^7(^4F)5p$	[2]
624	388.32	107	388.32797	Fe I	$3d^7(^2D)4s$	$3d^7(^2P)4p$	[2]
625	388.437	166	388.43584	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
626	388.543	231	388.55103	Fe I	$3d^64s^2$	$3d^6(^3P)4s4p(^3P^o)$	[2]
627	388.625	65527	388.6282	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
628	388.707	3566	388.7048	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
629	389.046	40	389.03955	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
630	389.081	91	389.08402	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
631	389.186	176	389.19262	Fe I	$3d^7(^2P)4s$	$3d^7(^2D2)4p$	[2]
632	389.385	82	389.39122	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
633	389.56	27371	389.56562	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
634	389.736	55	389.74485	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
635	389.783	853	389.78896	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
636	389.9	74	389.90286	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
637	389.97	48414	389.97071	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
638	390.05	97	390.0515	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
639	390.297	7662	390.29455	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
640	390.391	108	390.38976	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
641	390.602	84	390.6037	Fe II	$3d^6(^1F)4s$	$3d^6(^3G)4p$	[5]
642	390.755	195	390.7465	Fe I	$3d^7(^2G)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
643	390.791	120	390.79338	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
644	390.896	35	390.88423	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^64s(^4D)4d$	[2]
645	390.967	57	390.96573	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
646	390.99	62	390.98293	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
647	391.366	47	391.36316	Fe I	$3d^64s^2$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
648	391.425	29	391.42727	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
649	391.672	199	391.67307	Fe I	$3d^7(^2H)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
650	391.719	115	391.71807	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
651	391.907	56	391.90652	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
652	392.024	18133	392.02578	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
653	392.095	66	392.0837	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
654	392.294	50483	392.29115	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
655	392.529	51	392.52002	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
656	392.564	102	392.56435	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
657	392.928	68	392.9208	Fe I	$3d^7(^2D2)4s$	$3d^7(^2H)4p$	[2]
658	393.034	61051	393.02964	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
659	393.116	69	393.1117	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
660	393.269	123	393.26271	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
661	393.738	78	393.73276	Fe I	$3d^7(^2G)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
662	394.09	64	394.08773	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
663	394.337	49	394.33404	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
664	394.513	76	394.51169	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
665	394.7	77	394.69946	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
666	394.759	82	394.75306	Fe I	$3d^7(^4P)4s$	$3d^5(^6S)4s^24p$	[2]
667	394.876	303	394.87746	Fe I	$3d^7(^2H)4s$	$3d^7(^2H)4p$	[2]
668	394.994	369	394.99527	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
669	395.123	307	395.11629	Fe I	$3d^7(^2D2)4s$	$3d^7(^2P)4p$	[2]
670	395.322	51	395.31511	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
671	395.486	40	395.4712	Fe I	$3d^7(^2H)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
672	395.533	68	395.5341	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
673	395.674	2117	395.6677	Fe I	$3d^7(^2G)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
674	396.026	82	396.02789	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
675	396.119	37	396.114	Fe I	$3d^7(^4P)4s$	$3d^5(^6S)4s^24p$	[2]
676	396.307	133	396.31002	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
677	396.389	79	396.396	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)5f$	[1]
678	396.553	27	396.55086	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
679	396.612	137	396.60614	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
680	396.659	457	396.64992	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
681	396.741	162	396.74204	Fe I	$3d^7(^2H)4s$	$3d^7(^2H)4p$	[2]
682	396.799	87	396.79611	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
683	396.928	14580	396.9257	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
684	397.139	152	397.13224	Fe I	$3d^7(^2G)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
685	397.35	53	397.3649	Fe I	$3d^7(^2D2)4s$	$3d^7(^2D2)4p$	[2]
686	397.373	38	397.3649	Fe I	$3d^7(^2D2)4s$	$3d^7(^2D2)4p$	[2]
687	397.584	36	397.5841	Fe I	$3d^7(^2D2)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
688	397.772	494	397.77407	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
689	398.182	236	398.17708	Fe I	$3d^7(^2G)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
690	398.393	184	398.39561	Fe I	$3d^7(^2G)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
691	398.99	59	398.98569	Fe I	$3d^7(^2D2)4s$	$3d^7(^4F)5p$	[2]
692	399.025	152	399.03731	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
693	399.411	26	399.41129	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
694	399.704	128	399.69636	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
695	399.809	260	399.80525	Fe I	$3d^7(^2G)4s$	$3d^7(^4P)4p$	[2]
696	400.172	62	400.16615	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
697	400.523	5757	400.52417	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
698	400.734	61	400.72718	Fe I	$3d^7(^2G)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
699	401.459	411	401.45306	Fe I	$3d^7(^2G)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
700	401.564	161	401.5606	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)5d$	[2]
701	401.634	23	401.64191	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
702	401.751	28	401.74616	Fe I	$3d^6(^5D)4s4p(^3P^o)$		[2]
703	401.822	34	401.82673	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
704	402.184	496	402.1866	Fe I	$3d^7(^2G)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
705	402.476	155	402.47248	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
706	402.956	140	402.9629	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
707	403.201	81	403.19604	Fe I	$3d^7(^2D2)4s$	$3d^7(^2D2)4p$	[2]
708	403.306	3713	403.31861	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
709	403.996	62	403.9938	Fe I	$3d^7(^2G)4s$	$3d^7(^4P)4p$	[2]
710	404.066	68	404.06379	Fe I	$3d^7(^2D2)4s$	$3d^7(^2D2)4p$	[2]
711	404.58	65527	404.58122	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
712	405.502	78	405.50352	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
713	405.747	315	405.73433	Fe I	$3d^7(^2G)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
714	405.817	55	405.8217	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
715	406.249	254	406.24406	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
716	406.541	27	406.53809	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
717	406.692	208	406.69739	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
718	406.727	122	406.72709	Fe I	$3d^64s^2$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
719	406.797	429	406.79775	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
720	406.961	65	406.961	Fe II	$3d^5(^4P)4s4p(^3P^o)$	$3d^6(^5D)6d$	[1]
721	407.077	167	407.07705	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
722	407.171	48201	407.17377	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
723	407.252	42	407.25021	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
724	407.381	405	407.3762	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
725	407.474	102	407.4786	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
726	407.836	66	407.83536	Fe I	$3d^64s^2$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
727	407.917	33	407.91678	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
728	407.987	56	407.98377	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
729	408.022	53	408.02089	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
730	408.36	42	408.35489	Fe I	$3d^64s^2$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
731	408.454	200	408.44913	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
732	408.5	126	408.50038	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
733	408.71	26	408.70936	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
734	408.92	50	408.92166	Fe I	$3d^6 4s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
735	409.153	35	409.15528	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
736	409.235	37	409.22767	Fe I	$3d^6 4s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
737	409.817	113	409.81755	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
738	410.074	267	410.07376	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
739	410.12	41	410.12608	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
740	410.446	26	410.446	Fe I	$3d^6 4s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
741	410.54	40	410.5365	Fe II	$3d^5(^6S)4s4p(^1P^o)$	$3d^6(^3P_2)4d$	[1]
742	410.749	255	410.74881	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
743	410.982	139	410.98015	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
744	411.855	1027	411.85447	Fe I	$3d^7(^2H)4s$	$3d^7(^2H)4p$	[2]
745	412.018	164	412.02062	Fe I	$3d^6 4s^2$	$3d^7(^2G)4p$	[2]
746	412.182	73	412.18024	Fe I	$3d^7(^4P)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
747	412.568	36	412.5617	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)4d$	[2]
748	412.614	94	412.61824	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
749	413.292	178	413.28989	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
750	413.385	68	413.38554	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
751	413.467	635	413.46773	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
752	413.701	183	413.69974	Fe I	$3d^7(^2P)4s$	$3d^7(^2P)4p$	[2]
753	413.992	57	413.9927	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
754	414.179	34	414.1863	Fe I	$3d^6 4s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
755	414.389	13928	414.38678	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
756	414.529	49	414.5199	Fe I	$3d^7(^2G)4s$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
757	414.611	65	414.60639	Fe I	$3d^6 4s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
758	414.763	74	414.76687	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
759	414.938	88	414.93648	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
760	415.218	169	415.21689	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
761	415.393	487	415.38994	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
762	415.452	427	415.44984	Fe I	$3d^7(^4P)4s$	$3d^6(^3P_2)4s4p(^3P^o)$	[2]
763	415.475	309	415.48052	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
764	415.778	364	415.77798	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
765	416.105	45	416.10766	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
766	416.77	28	416.7574	Fe II	$3d^6(^5D)5p$	$3d^6(^5D)6d$	[1]
767	417.166	46	417.16905	Fe I	$3d^6 4s^2$	$3d^7(^2D_2)4p$	[2]
768	417.388	99	417.39205	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
769	417.493	457	417.49128	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
770	417.563	372	417.56358	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
771	417.656	245	417.65656	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
772	417.761	371	417.75936	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
773	418.705	1489	418.70387	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
774	418.775	1919	418.77952	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
775	418.868	72	418.87313	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)5d$	[2]
776	419.136	690	419.14304	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
777	419.358	26	419.36039	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
778	419.532	430	419.53288	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
779	419.625	105	419.62081	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
780	419.719	25	419.7097	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
781	419.905	5373	419.9095	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
782	419.998	58	419.99832	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
783	420.196	5497	420.20289	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
784	420.278	31	420.27527	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
785	420.662	665	420.66964	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
786	420.72	60	420.71268	Fe I	$3d^7(^4P)4s$	$3d^6(^3P_2)4s4p(^3P^o)$	[2]
787	420.86	82	420.86038	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
788	421.361	83	421.36471	Fe I	$3d^7(^4P)4s$	$3d^6(^3P_2)4s4p(^3P^o)$	[2]
789	421.617	14099	421.61835	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
790	421.756	213	421.75453	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
791	422.036	40	422.03414	Fe I	$3d^7(^2P)4s$	$3d^7(^4P)4p$	[2]
792	422.222	494	422.22128	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
793	422.455	54	422.45125	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
794	422.548	242	422.5454	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
795	422.746	5545	422.74263	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
796	422.862	25	422.8718	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
797	423.269	57	423.2726	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
798	423.362	1338	423.36025	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
799	423.711	40	423.70739	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
800	423.804	95	423.80235	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
801	423.885	665	423.88097	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
802	423.944	114	423.9361	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
803	424.013	78	424.01067	Fe II	$3d^6(^3H)4d$	$3d^6(^3G_4)4f$	[1]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
804	424.746	853	424.74253	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
805	424.816	44	424.82238	Fe I	$3d^7(^2P)4s$	$3d^7(^4P)4p$	[2]
806	424.851	25	424.84023	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
807	425.78	46	425.7921	Fe II	$3d^5(^4P)4s4p(^3P^o)$	$3d^6(^5D)7s$	[1]
808	426.048	36792	426.04741	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
809	426.419	40	426.42032	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
810	426.698	62	426.69642	Fe I	$3d^7(^2G)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
811	426.779	82	426.78262	Fe I	$3d^7(^2P)4s$	$3d^7(^4P)4p$	[2]
812	426.861	40	426.87485	Fe I	$3d^7(^2D)4s$	$3d^7(^2P)4p$	[2]
813	427.116	6014	427.11535	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
814	427.174	57350	427.17602	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
815	427.383	31	427.38682	Fe I	$3d^7(^2P)4s$	$3d^5(^6S)4s^24p$	[2]
816	427.558	37	427.5698	Fe I	$3d^64s^2$	$3d^6(^3F)4s4p(^3P^o)$	[2]
817	427.999	28	427.987	Fe I	$3d^7(^4P)4s$	$3d^7(^4P)4p$	[2]
818	428.243	3734	428.24026	Fe I	$3d^7(^4P)4s$	$3d^6(^3P)4s4p(^3P^o)$	[2]
819	428.544	39	428.54417	Fe I	$3d^7(^2H)4s$	$3d^7(^2G)4p$	[2]
820	428.649	93	428.6434	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
821	428.788	214	428.7938	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
822	428.823	30	428.81455	Fe I	$3d^7(^2G)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
823	428.974	62	428.97755	Fe II	$3d^6(^3P)5p$	$3d^6(^5D)6d$	[1]
824	429.043	87	429.03786	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
825	429.067	60	429.0595	Fe II	$3d^6(^1D)4p$	$3d^6(^5D)6s$	[1]
826	429.148	933	429.14634	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
827	429.658	33	429.6567	Fe II	$3d^6(^3P)4s$	$3d^6(^5D)4p$	[5]
828	429.809	73	429.80362	Fe I	$3d^7(^2G)4s$	$3d^6(^3F)4s4p(^3P^o)$	[2]
829	430.215	34	430.21855	Fe I	$3d^7(^2G)4s$	$3d^6(^3F)4s4p(^3P^o)$	[2]
830	430.552	62	430.54502	Fe I	$3d^7(^2P)4s$	$3d^7(^4P)4p$	[2]
831	430.795	50254	430.7902	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
832	430.9	38	430.90304	Fe I	$3d^64s^2$	$3d^7(^2H)4p$	[2]
833	431.027	26	431.0374	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
834	431.514	1633	431.50843	Fe I	$3d^7(^4P)4s$	$3d^6(^3P)4s4p(^3P^o)$	[2]
835	432.047	47	432.0483	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
836	432.709	87	432.70953	Fe I	$3d^7(^2D)4s$	$3d^7(^2P)4p$	[2]
837	433.708	211	433.7046	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
838	434.172	38	434.1813	Fe I	$3d^7(^2D)4s$	$3d^6(^5D)4s(^6D)5p$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
839	434.369	35	434.36972	Fe I	$3d^7(^2G)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
840	434.439	60	434.44993	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
841	434.497	47	434.489	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)6s$	[2]
842	435.17	50	435.17629	Fe II	$3d^6(^3P2)4s$	$3d^6(^5D)4p$	[1]
843	435.274	592	435.27344	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
844	436.573	34	436.5744	Fe II	$3d^6(^5D)4d$	$3d^6(^5D)6p$	[1]
845	436.758	109	436.75782	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
846	436.979	543	436.97715	Fe I	$3d^7(^2G)4s$	$3d^7(^2G)4p$	[2]
847	438.357	65527	438.35447	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
848	438.462	70	438.46719	Fe I	$3d^7(^2P)4s$	$3d^7(^4P)4p$	[2]
849	438.786	62	438.78909	Fe I	$3d^7(^2P)4s$	$3d^7(^4P)4p$	[2]
850	438.844	227	438.84065	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
851	439.052	448	439.04477	Fe I	$3d^64s^2$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
852	439.099	72	439.09502	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
853	439.573	51	439.58141	Fe II	$3d^6(^5D)5p$	$3d^6(^5D)7s$	[1]
854	439.805	267	439.7912	Fe II	$3d^6(^3P1)4s$	$3d^6(^3D)4p$	[1]
855	439.978	48	439.9803	Fe II	$3d^6(^5D)5p$	$3d^6(^5D)7s$	[1]
856	440.129	87	440.12896	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
857	440.302	51	440.2879	Fe II	$3d^6(^3P1)4s$	$3d^6(^3D)4p$	[1]
858	440.476	51956	440.47501	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
859	440.846	77	440.84132	Fe I	$3d^7(^4P)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
860	441.367	74	441.36	Fe II	$3d^6(^3H)4s$	$3d^6(^5D)4p$	[5]
861	441.517	5999	441.51222	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
862	441.679	44	441.6818	Fe II	$3d^6(^3P2)4s$	$3d^6(^5D)4p$	[1]
863	441.829	40	441.8419	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
864	442.257	271	442.25678	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
865	442.431	89	442.41876	Fe I	$3d^7(^2D2)4s$	$3d^7(^2D2)4p$	[2]
866	442.731	25575	442.73096	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
867	442.858	327	442.8567	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
868	443.066	84	443.06137	Fe I	$3d^7(^4P)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
869	443.321	138	443.32184	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
870	443.378	66	443.37821	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
871	443.69	36	443.69203	Fe I	$3d^7(^2G)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
872	443.991	69	443.98805	Fe I	$3d^64s^2$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
873	444.152	51	444.1545	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
874	444.233	189	444.23387	Fe I	$3d^7(^4P)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
875	444.279	105	444.28313	Fe I	$3d^7(^4P)4s$	$3d^5(^6S)4s^24p$	[2]
876	444.545	63	444.54712	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
877	444.637	49	444.64398	Fe II	$3d^5(^4D)4s4p(^3P^o)$	$3d^6(^5D)6d$	[1]
878	444.718	47	444.71301	Fe I	$3d^7(^4P)4s$	$3d^5(^6S)4s^24p$	[2]
879	444.857	58	444.85281	Fe II	$3d^6(^5D)5p$	$3d^6(^5D)7s$	[1]
880	444.949	37	444.961	Fe II	$3d^6(^3F2)4p$	$3d^6(^5D)4d$	[1]
881	445.076	49	445.0767	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
882	445.157	81	445.1542	Fe II	$3d^6(^3P1)4s$	$3d^6(^3D)4p$	[1]
883	445.261	102	445.2609	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
884	445.434	140	445.43807	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
885	445.503	215	445.5027	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
886	445.63	52	445.63254	Fe I	$3d^7(^2G)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
887	445.907	254	445.91173	Fe I	$3d^7(^4P)4s$	$3d^6(^5D)4s4p(^1P^o)$	[2]
888	446.658	1203	446.65515	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
889	446.934	383	446.93753	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
890	447.107	42	447.11125	Fe II	$3d^6(^5D)4d$	$3d^6(^3H)5p$	[1]
891	447.154	41	447.1677	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
892	447.73	82	447.736	Fe II	$3d^5(^4D)4s4p(^3P^o)$	$3d^6(^5D)6d$	[1]
893	447.961	48	447.96025	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
894	448.272	59	448.2739	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
895	448.422	190	448.42195	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
896	448.56	65	448.56753	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
897	448.768	45	448.7736	Fe I	$3d^7(^2H)4s$	$3d^7(^2G)4p$	[2]
898	448.975	494	448.97388	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^3P^o)$	[2]
899	449.01	74	449.00837	Fe I	$3d^7(^2P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
900	449.586	46	449.59528	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
901	450.968	55	450.97339	Fe I	$3d^7(^4F)4p$	$3d^64s(^6D)5d$	[2]
902	451.141	74	451.1417	Fe II	$3d^6(^5D)5p$	$3d^6(^5D)7s$	[1]
903	451.417	40	451.41836	Fe I	$3d^7(^2G)4s$	$3d^7(^4P)4p$	[2]
904	452.269	105	452.26278	Fe II	$3d^6(^3F2)4s$	$3d^6(^5D)4p$	[1]
905	452.51	209	452.51365	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
906	452.764	65	452.77824	Fe I	$3d^7(^2D2)4s$	$3d^7(^4P)4p$	[2]
907	453.558	52	453.5692	Fe II	$3d^5(^4G)4s4p(^3P^o)$	$3d^6(^5D)6d$	[1]
908	453.754	221	453.7673	Fe I	$3d^7(^2H)4s$	$3d^7(^2G)4p$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
909	454.054	71	454.06719	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
910	454.25	68	454.24118	Fe I	$3d^64s^2$	$3d^7(^2D2)4p$	[2]
911	454.792	139	454.78471	Fe I	$3d^7(^2D2)4s$	$3d^7(^2G)4p$	[2]
912	455.265	57	455.25413	Fe I			[2]
913	455.622	148	455.61256	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s (^6D)4d$	[2]
914	455.68	69	455.69247	Fe I	$3d^7(^2D2)4s$	$3d^5(^6S)4s^24p$	[2]
915	456.648	49	456.65142	Fe I	$3d^7(^2D2)4s$	$3d^7(^4P)4p$	[2]
916	456.913	122	456.9055	Fe I	$3d^7(^2H)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
917	457.65	49	457.6517	Fe I	$3d^64s^2$	$3d^7(^2D2)4p$	[2]
918	457.915	46	457.9066	Fe I	$3d^7(^2D2)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
919	458.064	77	458.05771	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s (^4D)5s$	[2]
920	458.364	129	458.37205	Fe I	$3d^7(^2P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
921	459.273	69	459.26508	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
922	459.537	60	459.5358	Fe I	$3d^7(^2H)4s$	$3d^7(^2G)4p$	[2]
923	459.618	53	459.60602	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s (^6D)4d$	[2]
924	459.998	67	459.98422	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)6s$	[2]
925	460.308	149	460.29407	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
926	460.481	56	460.48512	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
927	461.136	149	461.12786	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s (^6D)4d$	[2]
928	461.929	389	461.92877	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s (^6D)4d$	[2]
929	462.515	127	462.5045	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
930	462.744	60	462.75464	Fe I	$3d^7(^2H)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
931	463.02	54	463.012	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^1P^o)$	[2]
932	463.548	56	463.5617	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s (^6D)5s$	[2]
933	463.812	114	463.801	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s (^6D)4d$	[2]
934	464.34	79	464.34631	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s (^6D)4d$	[2]
935	464.753	293	464.74339	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
936	464.994	78	464.98162	Fe I	$3d^7(^2H)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
937	465.338	58	465.349	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
938	465.476	166	465.46283	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
939	465.648	216	465.6457	Fe I	$3d^7(^4F)4p$	$3d^64s(^6D)5d$	[2]
940	465.763	58	465.75845	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
941	465.832	55	465.82944	Fe I	$3d^7(^2H)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
942	466.118	83	466.1319	Fe I	$3d^7(^4P)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
943	466.6	66	466.6111	Fe I	$3d^7(^4F)4p$	$3d^64s(^6D)5d$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
944	466.749	303	466.74528	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
945	466.932	77	466.91708	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
946	467.287	94	467.283	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
947	467.333	79	467.32697	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
948	467.517	233	467.5096	Fe I	$3d^7(^4F)4p$	$3d^64s(^6D)6s$	[2]
949	467.746	72	467.7589	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
950	467.895	357	467.88455	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
951	468.341	74	468.35594	Fe I	$3d^7(^4P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
952	468.765	71	468.7671	Fe I	$3d^7(^4P)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
953	469.154	152	469.14114	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
954	469.624	69	469.6366	Fe II	$3d^6(^5D)4d$	$3d^5(^4F)4s4p(^3P^o)$	[1]
955	470.024	103	470.0158	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)6s$	[2]
956	470.253	146	470.2601	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)6s$	[2]
957	470.448	838	470.44038	Fe II	$3d^6(^3F1)4p$	$3d^6(^5D)6d$	[1]
958	470.505	118	470.49478	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
959	471.02	283	471.0283	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
960	471.214	102	471.21053	Fe I	$3d^7(^2P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
961	471.443	81	471.4359	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^64s(^4D)4d$	[2]
962	472.106	72	472.10003	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
963	472.529	61	472.5307	Fe II	$3d^6(^3F2)4p$	$3d^6(^5D)4d$	[1]
964	472.597	85	472.5934	Fe I	$3d^64s^2$	$3d^6(^1G2)4s4p(^3P^o)$	[2]
965	472.62	75	472.61367	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
966	472.746	114	472.73943	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
967	472.826	53	472.8164	Fe I	$3d^8$	$3d^7(^4F)5p$	[2]
968	472.86	108	472.85454	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
969	473.146	103	473.1439	Fe II	$3d^54s^2$	$3d^6(^5D)4p$	[5]
970	473.363	67	473.35913	Fe I	$3d^7(^4F)4s$	$3d^7(^4F)4p$	[2]
971	473.397	82	473.40977	Fe I	$3d^64s^2$	$3d^7(^2D2)4p$	[2]
972	473.591	72	473.58436	Fe I	$3d^8$	$3d^6(^3G)4s4p(^3P^o)$	[2]
973	473.683	397	473.67731	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
974	474.296	54	474.2938	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
975	474.582	76	474.57998	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)4d$	[2]
976	475.121	50	475.1084	Fe I	$3d^8$	$3d^7(^4F)5p$	[2]
977	475.418	84	475.4039	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)5d$	[2]
978	475.625	73	475.61226	Fe II	$3d^6(^1F)4p$	$3d^6(^3F2)4d$	[1]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
979	476.85	75	476.83962	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
980	477.296	53	477.283	Fe I	$3d^7(^2P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
981	477.387	46	477.3972	Fe I	$3d^8$	$3d^7(^4F)5p$	[2]
982	477.936	87	477.94391	Fe I	$3d^7(^2P)4s$	$3d^7(^4P)4p$	[2]
983	478.6	65	478.59562	Fe I	$3d^8$	$3d^6(^3D)4s4p(^3P^o)$	[2]
984	478.691	101	478.68067	Fe I	$3d^7(^2P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
985	478.977	189	478.96505	Fe I	$3d^7(^2D2)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
986	479.697	67	479.7038	Fe I	$3d^7(^4F)4p$	$3d^64s(^6D)5d$	[2]
987	480.771	54	480.77084	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
988	481.114	57	481.1028	Fe I	$3d^7(^2P)4s$	$3d^6(^3P2)4s4p(^3P^o)$	[2]
989	481.776	77	481.77778	Fe I	$3d^7(^4P)4s$	$3d^7(^4F)4p$	[2]
990	481.89	68	481.9026	Fe II	$3d^6(^3H)4p$	$3d^54s^2$	[1]
991	482.666	67	482.66825	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
992	482.906	59	482.91081	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
993	483.282	60	483.27273	Fe I	$3d^64s^2$	$3d^7(^2P)4p$	[2]
994	483.453	60	483.45065	Fe I	$3d^64s^2$	$3d^6(^5D)4s4p(^1P^o)$	[2]
995	483.784	219	483.788	Fe I	$3d^7(^4F)4p$	$3d^64s(^6D)5d$	[2]
996	483.955	76	483.95442	Fe I	$3d^7(^2H)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
997	484.092	60	484.0896	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
998	484.411	267	484.40135	Fe I	$3d^7(^2D2)4s$	$3d^7(^2G)4p$	[2]
999	484.57	53	484.56478	Fe I	$3d^64s^2$	$3d^7(^2P)4p$	[2]
1000	485.573	65	485.56729	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
1001	485.972	578	485.97411	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1002	486.063	103	486.06798	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1003	486.359	92	486.36434	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
1004	486.951	72	486.94636	Fe I	$3d^7(^2D2)4s$	$3d^6(^3F2)4s4p(^3P^o)$	[2]
1005	487.133	2347	487.13179	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1006	487.213	929	487.21375	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1007	487.828	317	487.82108	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1008	488.078	76	488.08709	Fe II	$3d^6(^3H)4p$	$3d^54s^2$	[1]
1009	488.18	112	488.17175	Fe I	$3d^7(^2H)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
1010	488.215	80	488.21431	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
1011	488.544	114	488.54303	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1012	488.635	87	488.63315	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1013	488.749	79	488.7365	Fe I	$3d^8$	$3d^7(^4F)5p$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
1014	488.863	78	488.86366	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1015	489.079	1933	489.07548	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1016	489.147	5475	489.14921	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1017	490.329	348	490.33099	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1018	490.773	76	490.77315	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
1019	490.943	74	490.93831	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1020	491	95	491.00166	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
1021	491.034	91	491.03255	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1022	491.057	80	491.05645	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1023	491.715	67	491.72297	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1024	492.056	12262	492.05028	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1025	492.397	69	492.39216	Fe II	$3d^54s^2$	$3d^6(^5D)4p$	[1]
1026	492.476	81	492.47692	Fe I	$3d^64s^2$	$3d^7(^4F)4p$	[2]
1027	492.521	60	492.52831	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1028	493.815	107	493.81735	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1029	493.883	286	493.88135	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1030	493.974	120	493.96864	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1031	494.212	61	494.2169	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1032	494.496	93	494.5062	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1033	494.643	147	494.63878	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
1034	494.881	60	494.87913	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1035	496.604	200	496.60886	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
1036	496.778	83	496.7897	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1037	496.847	48	496.83923	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1038	496.871	46	496.86975	Fe I	$3d^64s^2$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
1039	496.986	59	496.99173	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1040	497.149	57	497.13403	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1041	497.311	101	497.31016	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1042	497.542	52	497.54118	Fe I	$3d^7(^2H)4s$	$3d^7(^4P)4p$	[2]
1043	497.959	39	497.95857	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
1044	498.248	376	498.24996	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1045	498.387	261	498.38526	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1046	498.526	207	498.52526	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1047	498.549	114	498.55469	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1048	498.676	43	498.6903	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
1049	498.885	93	498.89498	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1050	499.047	53	499.05062	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1051	499.128	84	499.1268	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1052	499.405	147	499.41292	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1053	500.145	145	500.15574	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1054	500.284	59	500.27924	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
1055	500.48	97	500.47708	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1056	500.573	571	500.5712	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1057	500.608	1565	500.61188	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1058	500.688	51	500.68402	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1059	500.723	175	500.7275	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1060	501.104	45	501.10261	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1061	501.497	370	501.49421	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1062	501.647	83	501.64787	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1063	501.832	55	501.84354	Fe II	$3d^54s^2$	$3d^6(^5D)4p$	[1]
1064	502.225	195	502.22352	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1065	502.779	51	502.77563	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)4d$	[2]
1066	502.814	92	502.8126	Fe I	$3d^7(^2H)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
1067	502.952	57	502.96173	Fe I	$3d^7(^2P)4s$	$3d^6(^3P_2)4s4p(^3P^o)$	[2]
1068	503.275	117	503.27035	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1069	503.921	59	503.92516	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
1070	504.106	184	504.10713	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1071	504.417	73	504.42111	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1072	504.763	46	504.76319	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1073	504.982	280	504.98194	Fe I	$3d^64s^2$	$3d^7(^4F)4p$	[2]
1074	505.167	341	505.16342	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1075	505.294	52	505.29811	Fe I	$3d^7(^2H)4s$	$3d^6(^3H)4s4p(^3P^o)$	[2]
1076	506.169	47	506.17101	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1077	506.285	47	506.29274	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1078	506.457	68	506.459	Fe I	$3d^8$	$3d^7(^2H)4p$	[2]
1079	506.711	65	506.71492	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1080	506.872	276	506.87655	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1081	507.206	90	507.2078	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1082	507.413	381	507.4051	Fe II	$3d^6(^3F_1)4s$	$3d^6(^3D)4p$	[1]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
1083	507.471	272	507.4748	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1084	507.574	65	507.57599	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_0)4f$	[1]
1085	507.655	75	507.65976	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1086	507.897	138	507.89745	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1087	507.977	115	507.97396	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^{\circ})$	[2]
1088	508.334	239	508.33382	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^{\circ})$	[2]
1089	508.829	68	508.81528	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1090	509.726	60	509.72737	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1091	509.898	81	509.9077	Fe I	$3d^6(^5D)4s4p(^3P^{\circ})$	$3d^6(^5D)4s(^4D)5s$	[2]
1092	510.955	69	510.96517	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1093	511.576	53	511.57778	Fe I	$3d^7(^2H)4s$	$3d^6(^3G)4s4p(^3P^{\circ})$	[2]
1094	511.645	5252	511.6402	Fe II	$3d^6(^5D)4d$	$3d^6(^5D)6p$	[1]
1095	511.702	130	511.70311	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1096	512.161	69	512.16388	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1097	512.368	127	512.37196	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^{\circ})$	[2]
1098	512.506	204	512.51168	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1099	512.885	54	512.8753	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1100	513.068	63	513.0611	Fe II	$3d^5(^4P)4s4p(^3P^{\circ})$	$3d^6(^3G)4d$	[1]
1101	513.367	700	513.36882	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1102	513.665	67	513.6788	Fe II	$3d^6(^3F_2)4s$	$3d^6(^5D)4p$	[5]
1103	513.734	185	513.73818	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1104	514.284	156	514.29282	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^{\circ})$	[2]
1105	514.823	141	514.82288	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1106	514.938	121	514.94624	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1107	516.063	50	516.0776	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1108	516.235	451	516.22725	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1109	516.351	48	516.35724	Fe II	$3d^6(^3H)4d$	$3d^6(^3H_5)4f$	[1]
1110	516.466	105	516.45503	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1111	516.546	77	516.54103	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1112	516.581	68	516.57343	Fe II	$3d^6(^3P_2)4d$	$3d^6(^3P_2)4f$	[1]
1113	516.754	65527	516.74881	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^{\circ})$	[2]
1114	517.018	45	517.01048	Fe II	$3d^6(^3F_2)4d$	$3d^6(^3F_2_4)4f$	[1]
1115	517.318	47	517.31249	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^{\circ})$	[2]
1116	518.79	49	518.79138	Fe I	$3d^8$	$3d^7(^2D_2)4p$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
1117	518.951	60	518.9362	Fe II	$3d^{6(1)}5s$	$3d^{6(3G_4)}4f$	[1]
1118	519.146	773	519.14546	Fe I	$3d^{6(5D)}4s4p(^3P^o)$	$3d^{6(5D)}4s(^6D)5s$	[2]
1119	519.238	1555	519.23439	Fe I	$3d^{6(5D)}4s4p(^3P^o)$	$3d^{6(5D)}4s(^6D)5s$	[2]
1120	519.871	59	519.87108	Fe I	$3d^{7(4P)}4s$	$3d^{6(5D)}4s4p(^1P^o)$	[2]
1121	520.388	995	520.39086	Fe II	$3d^{5(4G)}4s4p(^3P^o)$	$3d^{6(5D)}5d$	[1]
1122	520.457	398	520.45823	Fe I	$3d^6 4s^2$	$3d^{6(5D)}4s4p(^3P^o)$	[2]
1123	520.606	93	520.60372	Fe II	$3d^5 4s^2$	$3d^{6(3P_1)}4p$	[1]
1124	520.858	356	520.85936	Fe I	$3d^{6(5D)}4s4p(^3P^o)$	$3d^{6(5D)}4s(^6D)5s$	[2]
1125	520.996	50	520.98843	Fe I	$3d^{7(2H)}4s$	$3d^{6(3H)}4s4p(^3P^o)$	[2]
1126	521.433	86	521.434	Fe II	$3d^{6(5D)}4d$	$3d^{6(5D_1)}4f$	[1]
1127	521.628	3133	521.62737	Fe I	$3d^{7(4F)}4s$	$3d^{6(5D)}4s4p(^3P^o)$	[2]
1128	521.743	227	521.7389	Fe I	$3d^{6(5D)}4s4p(^3P^o)$	$3d^{6(5D)}4s(^6D)5s$	[2]
1129	522.236	1346	522.23518	Fe II	$3d^{6(5D)}4d$	$3d^{6(5D_1)}4f$	[1]
1130	522.557	140	522.55257	Fe I	$3d^6 4s^2$	$3d^{6(5D)}4s4p(^3P^o)$	[2]
1131	523.612	54	523.62038	Fe I	$3d^8$	$3d^{7(2D_2)}4p$	[2]
1132	523.796	52	523.7949	Fe II	$3d^{6(5D)}4d$	$3d^{6(5D_3)}4f$	[1]
1133	524.151	130	524.1454	Fe II	$3d^{6(3H)}4d$	$3d^{6(3H_5)}4f$	[1]
1134	524.254	130	524.24907	Fe I	$3d^6 4s^2$	$3d^{7(2G)}4p$	[2]
1135	524.701	107	524.70501	Fe I	$3d^6 4s^2$	$3d^{6(5D)}4s4p(^3P^o)$	[2]
1136	524.793	82	524.79553	Fe II	$3d^{6(5D)}4d$	$3d^{6(5D_1)}4f$	[1]
1137	525.022	89	525.02086	Fe I	$3d^6 4s^2$	$3d^{6(5D)}4s4p(^3P^o)$	[2]
1138	525.068	99	525.06456	Fe I	$3d^{7(4P)}4s$	$3d^{6(5D)}4s4p(^1P^o)$	[2]
1139	525.194	61	525.19655	Fe I	$3d^{7(2H)}4s$	$3d^{6(3G)}4s4p(^3P^o)$	[2]
1140	525.377	106	525.36484	Fe II	$3d^{6(5D)}4d$	$3d^{6(5D_3)}4f$	[1]
1141	525.755	95	525.76549	Fe I	$3d^{7(2H)}4s$	$3d^{6(3F_2)}4s4p(^3P^o)$	[2]
1142	526.03	206	526.02544	Fe II	$3d^{6(5D)}4d$	$3d^{6(5D_4)}4f$	[1]
1143	526.133	207	526.14557	Fe II	$3d^{6(5D)}4d$	$3d^{6(5D_2)}4f$	[1]
1144	526.327	315	526.33059	Fe I	$3d^{6(5D)}4s4p(^3P^o)$	$3d^{6(5D)}4s(^6D)5s$	[2]
1145	526.43	70	526.41791	Fe II	$3d^{6(5D)}4d$	$3d^{6(5D_2)}4f$	[1]
1146	526.533	65	526.52436	Fe I	$3d^6 4s^2$	$3d^{6(3H)}4s4p(^3P^o)$	[2]
1147	526.659	2104	526.6555	Fe I	$3d^{6(5D)}4s4p(^3P^o)$	$3d^{6(5D)}4s(^6D)5s$	[2]
1148	526.728	53	526.727	Fe I	$3d^{7(4F)}4p$	$3d^{7(4F)}4d$	[2]
1149	526.9	249	526.906	Fe I	$3d^{6(5D)}4s4p(^1P^o)$	$3d^6 4s(^4D)4d$	[2]
1150	526.957	65527	526.9537	Fe I	$3d^{7(4F)}4s$	$3d^{6(5D)}4s4p(^3P^o)$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
1151	527.037	42744	527.0356	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1152	527.22	61	527.22212	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1153	527.312	179	527.31632	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1154	527.495	49	527.4981	Fe I	$3d^8$	$3d^7(^2H)4p$	[2]
1155	528.181	465	528.179	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1156	528.364	1588	528.36207	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1157	528.855	112	528.85243	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
1158	529.004	56	529.00882	Fe II	$3d^6(^3F_2)4d$	$3d^6(^3F_2_3)4f$	[1]
1159	529.164	65	529.16609	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1160	529.632	123	529.6421	Fe II	$3d^6(^1I)5s$	$3d^6(^3G_5)4f$	[1]
1161	530.226	464	530.2299	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[4]
1162	530.477	645	530.4761	Fe I	$3d^6(^5D)4s4p(^1P^o)$		[2]
1163	530.74	222	530.73607	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1164	531.504	143	531.50804	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_1)4f$	[1]
1165	531.596	205	531.59904	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1166	531.619	68	531.62139	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1167	531.676	71	531.6777	Fe II	$3d^6(^3G)4s$	$3d^6(^5D)4p$	[5]
1168	532.189	58	532.18342	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
1169	532.417	6815	532.41787	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1170	532.611	107	532.61424	Fe I	$3d^7(^2H)4s$	$3d^6(^3G)4s4p(^3P^o)$	[2]
1171	532.805	55277	532.80383	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1172	532.85	11702	532.85313	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1173	532.999	94	532.99887	Fe I	$3d^8$	$3d^6(^3H)4s4p(^3P^o)$	[2]
1174	533.261	97	533.26598	Fe I	$3d^8$	$3d^7(^2P)4p$	[2]
1175	533.295	396	533.28994	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1176	533.99	779	533.9929	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1177	534.104	32834	534.10237	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1178	534.571	63	534.5738	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1179	535.539	127	535.54209	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1180	535.88	66	535.88719	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1181	536.04	81	536.04795	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1182	536.301	84	536.29698	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1183	536.483	309	536.48709	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1184	536.54	198	536.53987	Fe I	$3d^7(^2H)4s$	$3d^7(^2G)4p$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
1185	536.608	66	536.62087	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1186	536.745	597	536.7466	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1187	536.995	1046	536.99615	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1188	537.145	11889	537.14893	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1189	537.374	60	537.37082	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1190	537.625	80	537.61358	Fe II	$3d^6(^3H)4d$	$3d^6(^3H_6)4f$	[1]
1191	537.934	54	537.9251	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1192	537.969	107	537.95737	Fe I	$3d^64s^2$	$3d^7(^2G)4p$	[2]
1193	538.335	1035	538.33688	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1194	538.712	60	538.70633	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1195	538.918	54	538.90321	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_0)4f$	[1]
1196	538.952	179	538.94788	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1197	539.318	692	539.31673	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1198	539.581	65	539.58546	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_0)4f$	[1]
1199	539.764	45	539.76175	Fe I	$3d^64s^2$	$3d^6(^3F_2)4s4p(^3P^o)$	[2]
1200	539.832	67	539.82791	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1201	540.301	52	540.28926	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1202	541.089	432	541.09095	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1203	541.523	1128	541.51989	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1204	542.413	1108	542.40678	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1205	542.527	82	542.5269	Fe II	$3d^6(^3G)4s$	$3d^6(^5D)4p$	[5][9]
1206	543.451	2353	543.45235	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1207	543.644	74	543.62954	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1208	544.134	66	544.13383	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1209	544.328	65	544.3227	Fe II	$3d^6(^3P_1)4s$	$3d^6(^3D)4p$	[1]
1210	544.351	56	544.34443	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1211	544.499	200	544.50421	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1212	545.217	105	545.20879	Fe I	$3d^64s^2$	$3d^6(^3G)4s4p(^3P^o)$	[2]
1213	545.729	79	545.7421	Fe II	$3d^6(^3F_1)4s$	$3d^6(^3D)4p$	[1]
1214	546.298	138	546.29591	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1215	546.321	137	546.32759	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1216	546.423	57	546.42792	Fe I	$3d^8$	$3d^7(^2P)4p$	[2]
1217	546.594	66	546.59322	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_1)4f$	[1]
1218	546.639	88	546.63958	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
1219	547.265	61	547.27087	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1220	547.322	64	547.3164	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^6D)4d$	[2]
1221	547.39	122	547.39001	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1222	547.527	59	547.51828	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_1)4f$	[1]
1223	547.652	265	547.65639	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1224	548.504	93	548.5057	Fe II	$3d^6(^3P_1)4p$	$3d^6(^3F_2)4d$	[1]
1225	548.777	91	548.77457	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1226	548.879	57	548.87748	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1227	549.277	54	549.2676	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1228	549.379	78	549.38306	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1229	549.754	261	549.75157	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1230	550.14	175	550.14649	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^o)$	[2]
1231	550.389	105	550.38934	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1232	550.594	84	550.58813	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1233	550.616	101	550.61985	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1234	551.762	71	551.7557	Fe II	$3d^6(^5D)5p$	$3d^6(^3D)5s$	[1]
1235	552.556	83	552.55439	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1236	553.462	60	553.46631	Fe I	$3d^64s^2$	$3d^6(^3P_2)4s4p(^3P^o)$	[2]
1237	553.553	105	553.54175	Fe I	$3d^8$	$3d^7(^2H)4p$	[2]
1238	554.323	69	554.31892	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^64s(^4D)4d$	[2]
1239	554.391	70	554.39353	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1240	554.9	75	554.90005	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1241	555.488	97	555.48947	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1242	555.929	56	555.9262	Fe II	$3d^6(^5D)4p$	$3d^64s^2$	[1]
1243	556.28	1314	556.27061	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1244	556.563	82	556.57036	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1245	556.721	69	556.7278	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1246	556.958	458	556.96177	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1247	557.286	1031	557.2842	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1248	557.602	187	557.60884	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1249	557.986	49	557.99258	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1250	558.395	93	558.39446	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1251	558.668	2402	558.67555	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1252	558.759	83	558.75736	Fe I	$3d^8$	$3d^7(^2D_2)4p$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
1253	558.918	85	558.9253	Fe II	$3d^5(^4P)4s4p(^3P^o)$	$3d^54s(^7S)4d$	[1]
1254	560.293	228	560.29447	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1255	560.906	85	560.8972	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1256	561.564	6942	561.56435	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1257	561.825	65	561.81721	Fe II	$3d^6(^5D)4d$	$3d^5(^2D_3)4s4p(^3P^o)$	[1]
1258	562.29	78	562.2946	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
1259	562.449	332	562.45418	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1260	562.767	70	562.7716	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
1261	563.39	145	563.39461	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^6(^5D)4s(^4D)4d$	[2]
1262	563.821	119	563.82618	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1263	564.41	77	564.40255	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^64s(^6D)6s$	[2]
1264	564.976	59	564.96303	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^o)$	[2]
1265	565.519	68	565.51761	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^6(^5D)4s(^4D)4d$	[2]
1266	565.881	319	565.8816	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1267	566.006	56	566.01407	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1268	566.141	856	566.13451	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1269	566.254	1775	566.25158	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1270	567.916	48	567.90226	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1271	568.244	52	568.2498	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^7(^4F)6s$	[2]
1272	568.605	82	568.612	Fe I	$3d^64s^2$	$3d^6(^3P_2)4s4p(^3P^o)$	[2]
1273	568.65	63	568.65298	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1274	569.158	65	569.14967	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1275	569.362	54	569.36421	Fe I			[2]
1276	569.61	61	569.60892	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1277	570.163	62	570.15442	Fe I	$3d^64s^2$	$3d^7(^4F)4p$	[2]
1278	570.298	60	570.2906	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^64s(^6D)5d$	[2]
1279	570.591	72	570.59918	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1280	570.941	167	570.93779	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1281	571.178	56	571.18483	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1282	571.211	64	571.21312	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1283	571.29	58	571.2888	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^64s(^6D)5d$	[2]
1284	571.448	184	571.45487	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^64s(^4D)4d$	[2]
1285	571.775	81	571.78325	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1286	572.946	66	572.96026	Fe II	$3d^6(^3F_2)4p$	$3d^54s^2$	[1]
1287	573.093	65	573.0857	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^64s(^6D)5d$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
1288	573.172	86	573.17619	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1289	573.453	73	573.45648	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^64s(^6D)5d$	[2]
1290	573.757	60	573.7534	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_4)4f$	[1]
1291	573.779	61	573.78923	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_0)4f$	[1]
1292	575.197	120	575.20316	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1293	575.309	111	575.31223	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^4D)5s$	[2]
1294	575.781	69	575.7718	Fe II	$3d^6(^3F)4d$	$3d^6(^3H_4)4f$	[1]
1295	575.95	65	575.95408	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1296	576.096	97	576.1082	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^6D)4d$	[2]
1297	576.219	63	576.22311	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^7(^4F)6s$	[2]
1298	576.86	104	576.84503	Fe II	$3d^5(^4G)4s4p(^3P^o)$	$3d^6(^5D)5d$	[1]
1299	576.938	71	576.93225	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1300	577.511	66	577.50802	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1301	578.218	54	578.21093	Fe I	$3d^6(^5D)4s4p(^1P^o)$	$3d^64s(^4D)4d$	[2]
1302	578.408	66	578.4034	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^6D)4d$	[2]
1303	578.442	57	578.44454	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_1)4f$	[1]
1304	578.465	65	578.4658	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1305	579.07	83	579.06893	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1306	579.093	58	579.10176	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^6(^5D)4s(^6D)5s$	[2]
1307	579.328	57	579.3289	Fe II	$3d^6(^1F)4s$	$3d^5(^6S)4s4p(^3P^o)$	[1]
1308	579.597	66	579.58659	Fe II	$3d^6(^1G_1)4s$	$3d^6(^3D)4p$	[1]
1309	580.447	7493	580.44623	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^4D)5s$	[2]
1310	581.36	76	581.36695	Fe II	$3d^6(^1F)4s$	$3d^6(^3P_2)4p$	[1]
1311	582.553	54	582.5515	Fe II	$3d^6(^5D)5p$	$3d^54s(^7S)4d$	[1]
1312	583.847	52	583.83714	Fe I	$3d^6(^5D)4s4p(^3P^o)$	$3d^7(^4F)5s$	[2]
1313	584.128	86	584.11341	Fe I			[2]
1314	584.196	73	584.2027	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^6D)4d$	[2]
1315	584.241	94	584.22945	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1316	584.477	88	584.49185	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^6D)4d$	[2]
1317	585.813	232	585.8265	Fe I	$3d^64s^2$	$3d^7(^4F)4p$	[2]
1318	585.858	234	585.84493	Fe II	$3d^6(^3H)4p$	$3d^54s^2$	[1]
1319	585.892	423	585.87776	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^6D)4d$	[2]
1320	585.971	244	585.95863	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1321	586.195	106	586.19726	Fe II	$3d^6(^3H)4p$	$3d^6(^5D)5s$	[1]
1322	586.24	194	586.23561	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]

No.	Wavelength (nm)	Intensity (a.u.)	Wavelength (nm), Ref.	Type	Lower energy level	Higher energy level	Reference
1323	586.442	81	586.4396	Fe I	$3d^6(^5D)4s4p(^1P^{\circ})$	$3d^64s(^6D)5d$	[2]
1324	587.283	18944	587.2726	Fe I	$3d^6(^5D)4s4p(^3P^{\circ})$	$3d^6(^5D)4s(^6D)5s$	[2]
1325	587.788	109	587.7788	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^6D)4d$	[2]
1326	589.334	66	589.32345	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^6D)4d$	[2]
1327	589.535	164	589.53391	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1328	590.251	62520	590.24732	Fe I	$3d^7(^2F)4s$	$3d^6(^3G)4s4p(^3P^{\circ})$	[2]
1329	590.285	2355	590.28238	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1330	590.341	97	590.3524	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_2)4f$	[1]
1331	590.565	77	590.56716	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1332	590.788	82	590.7863	Fe I	$3d^64s^2$	$3d^7(^4P)4p$	[2]
1333	591.012	81	590.99732	Fe I	$3d^6(^5D)4s4p(^3P^{\circ})$	$3d^6(^5D)4s(^6D)5s$	[2]
1334	591.37	5296	591.37639	Fe II	$3d^6(^3F_2)4p$	$3d^6(^5D)5s$	[1]
1335	591.895	4849	591.8932	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^6D)4d$	[2]
1336	592.051	120	592.0503	Fe I	$3d^7(^2H)4s$	$3d^6(^3H)4s4p(^3P^{\circ})$	[2]
1337	592.353	57	592.3515	Fe I	$3d^5(^6S)4s^24p$	$3d^64s(^6D)5d$	[2]
1338	592.643	71	592.6357	Fe II	$3d^5(^6S)4s4p(^3P^{\circ})$	$3d^6(^5D)5s$	[1]
1339	592.788	65	592.77887	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1340	593.38	79	593.38	Fe I	$3d^6(^5D)4s4p(^1P^{\circ})$	$3d^7(^4F)4d$	[2]
1341	593.547	78	593.5433	Fe II	$3d^5(^4G)4s4p(^3P^{\circ})$	$3d^6(^5D)5d$	[1]
1342	593.636	60	593.63189	Fe II	$3d^5(^4D)4s4p(^3P^{\circ})$	$3d^6(^3G)4d$	[1]
1343	593.938	458	593.924	Fe I	$3d^7(^2H)4s$	$3d^6(^3H)4s4p(^3P^{\circ})$	[2]
1344	595.242	123	595.25183	Fe II	$3d^7$	$3d^6(^3P_2)4p$	[1]
1345	595.676	133	595.6694	Fe I	$3d^7(^4F)4s$	$3d^6(^5D)4s4p(^3P^{\circ})$	[2]
1346	596.545	17617	596.5471	Fe I	$3d^7(^4F)4p$	$3d^6(^5D)4s(^6D)4d$	[2]
1347	596.712	84	596.698	Fe I	$3d^8$	$3d^7(^2G)4p$	[2]
1348	598.236	109	598.2312	Fe I	$3d^6(^5D)4s4p(^1P^{\circ})$	$3d^64s(^6D)5d$	[2]
1349	598.369	115	598.36806	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1350	598.48	104	598.48147	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1351	598.525	66	598.5188	Fe I	$3d^6(^5D)4s4p(^1P^{\circ})$	$3d^64s(^6D)5d$	[2]
1352	598.691	83	598.69559	Fe I	$3d^7(^2H)4s$	$3d^6(^3H)4s4p(^3P^{\circ})$	[2]
1353	598.714	129	598.70645	Fe I	$3d^7(^4F)4p$	$3d^7(^4F)4d$	[2]
1354	598.791	9907	598.80087	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1355	599.347	65	599.3387	Fe II	$3d^6(^5D)4d$	$3d^6(^5D_3)4f$	[1]
1356	599.902	83	599.89381	Fe I	$3d^64s^2$	$3d^6(^3H)4s4p(^3P^{\circ})$	[2]

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