Table 18: Coordinates of 295 ICRF2 Defining Sources at S/X-band

Designation[a]	Source[b]	α	δ	σ_α (s)	σ_δ ($''$)	$C_{\alpha-\delta}$	Epoch of Observation Mean	First	Last	$N_{\rm exp}$	$N_{\rm obs}$
ICRF J000435.6 − 473619	0002 − 478	00 04 35.65550384	−47 36 19.6037899	0.00001359	0.0002139	0.383	52501.0	49330.5	54670.7	28	129
ICRF J001031.0 + 105829	0007 + 106	00 10 31.00590186	10 58 29.5043827	0.00000491	0.0000930	−0.187	53063.9	47288.7	54803.7	29	559
ICRF J001101.2 − 261233	0008 − 264	00 11 01.24673846	−26 12 33.3770171	0.00000660	0.0000936	−0.183	52407.5	47686.1	54768.6	45	592
ICRF J001331.1 + 405137	0010 + 405	00 13 31.13020334	40 51 37.1441040	0.00000482	0.0000683	−0.139	51619.2	48434.7	54713.7	22	1083
ICRF J001611.0 − 001512	0013 − 005	00 16 11.08855479	−00 15 12.4453413	0.00000435	0.0001005	−0.235	50403.0	47394.1	51492.8	67	716
ICRF J001945.7 + 732730	0016 + 731	00 19 45.78641940	73 27 30.0174396	0.00000989	0.0000424	−0.050	49249.8	44343.6	54865.7	458	25038
ICRF J002232.4 + 060804	0019 + 058	00 22 32.44120914	06 08 04.2690807	0.00000439	0.0000956	−0.237	52705.8	47394.1	54880.7	42	800
ICRF J003824.8 + 413706	0035 + 413	00 38 24.84359231	41 37 06.0003032	0.00000499	0.0000613	−0.035	52262.4	49422.9	54887.7	18	1024
ICRF J005041.3 − 092905	0048 − 097	00 50 41.31738756	−09 29 05.2102688	0.00000278	0.0000428	−0.030	51323.1	44773.8	54816.7	1802	41482
ICRF J005109.5 − 422633	0048 − 427	00 51 09.50182012	−42 26 33.2932480	0.00000932	0.0001177	0.013	53857.8	52306.7	54907.7	31	315
ICRF J010245.7 + 582411	0059 + 581	01 02 45.76238248	58 24 11.1366009	0.00000523	0.0000414	0.009	52030.9	48720.9	54880.7	1864	236989
ICRF J010645.1 − 403419	0104 − 408	01 06 45.10796851	−40 34 19.9602291	0.00000376	0.0000455	0.016	52201.3	47640.2	54903.8	1175	11531
ICRF J010915.4 − 604948	0107 − 610	01 09 15.47520598	−60 49 48.4599686	0.00001744	0.0001750	0.108	53933.9	52780.7	54726.7	24	102
ICRF J011205.8 + 224438	0109 + 224	01 12 05.82471754	22 44 38.7863909	0.00000379	0.0000653	−0.007	51836.0	48434.7	54872.7	37	1851
ICRF J011327.0 + 494824	0110 + 495	01 13 27.00680344	49 48 24.0431742	0.00000597	0.0000727	−0.135	52989.4	49422.9	54781.7	20	759
ICRF J011857.2 − 214130	0116 − 219	01 18 57.26216666	−21 41 30.1399986	0.00000683	0.0001138	−0.058	52128.2	50632.3	54768.6	19	289
ICRF J012141.5 + 114950	0119 + 115	01 21 41.59504339	11 49 50.4131012	0.00000279	0.0000429	−0.018	52622.1	47394.1	54901.7	1151	36167
ICRF J013305.7 − 520003	0131 − 522	01 33 05.76255607	−52 00 03.9457209	0.00001218	0.0001605	0.251	52621.9	48162.4	54901.7	28	126
ICRF J013658.5 + 475129	0133 + 476	01 36 58.59480585	47 51 29.1000445	0.00000407	0.0000414	0.014	52890.7	44343.6	54907.7	1307	117353
ICRF J013708.7 + 312235	0134 + 311	01 37 08.73362970	31 22 35.8553611	0.00000553	0.0001012	0.044	53105.6	50219.8	54901.7	13	550
ICRF J014125.8 − 092843	0138 − 097	01 41 25.83215547	−09 28 43.6741894	0.00000455	0.0000878	−0.020	52777.3	46875.8	54768.6	34	1008
ICRF J015456.2 + 474326	0151 + 474	01 54 56.28988783	47 43 26.5395732	0.00000530	0.0000654	−0.014	53123.2	49750.8	54657.8	21	1395
ICRF J020333.3 + 723253	0159 + 723	02 03 33.38496841	72 32 53.6672938	0.00001231	0.0000546	0.052	52872.5	47011.4	54907.7	35	1482
ICRF J020504.9 + 321230	0202 + 319	02 05 04.92536007	32 12 30.0954538	0.00000367	0.0000520	−0.038	52311.3	45466.3	54852.7	62	2357
ICRF J021748.9 + 014449	0215 + 015	02 17 48.95475182	01 44 49.6990704	0.00000348	0.0000673	−0.120	51978.4	48919.9	54837.7	37	1200
ICRF J022428.4 + 065923	0221 + 067	02 24 28.42819659	06 59 23.3415393	0.00000382	0.0000683	−0.214	52153.5	47394.1	54662.7	68	1173
ICRF J022934.9 − 784745	0230 − 790	02 29 34.94659358	−78 47 45.6017972	0.00003546	0.0001073	0.032	52873.3	47626.5	54726.7	49	247
ICRF J023145.8 + 132254	0229 + 131	02 31 45.89405431	13 22 54.7162668	0.00000281	0.0000422	−0.006	49841.4	44773.8	54844.7	2537	66911
ICRF J023631.1 − 295355	0234 − 301	02 36 31.16942057	−29 53 55.5402759	0.00000978	0.0001544	−0.032	53761.6	53126.1	54741.8	16	135
ICRF J023653.2 − 613615	0235 − 618	02 36 53.24574589	−61 36 15.1834250	0.00002197	0.0001688	0.249	53734.9	52861.2	54670.7	17	106
ICRF J023752.4 + 284808	0234 + 285	02 37 52.40567732	28 48 08.9900231	0.00000313	0.0000421	−0.023	49361.6	44447.0	54664.7	1199	53070
ICRF J023945.4 − 023440	0237 − 027	02 39 45.47226775	−02 34 40.9144020	0.00000359	0.0000672	−0.090	52760.9	49253.8	54901.7	36	1437
ICRF J030335.2 + 471616	0300 + 470	03 03 35.24222254	47 16 16.2754406	0.00000417	0.0000433	−0.048	48470.0	44343.6	54844.7	757	25008
ICRF J030350.6 − 621125	0302 − 623	03 03 50.63134799	−62 11 25.5498711	0.00001499	0.0001135	0.150	51436.6	48162.4	54726.7	44	248
ICRF J030642.6 + 624302	0302 + 625	03 06 42.65954796	62 43 02.0241642	0.00000833	0.0000613	−0.047	52280.3	48614.0	54662.7	37	1334

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(Table 18: continued)

Designation[a]	Source[b]	α	δ	σ_α (s)	σ_δ ($''$)	$C_{\alpha-\delta}$	Epoch of Observation Mean	First	Last	$N_{\rm exp}$	$N_{\rm obs}$
ICRF J030903.6 + 102916	0306 + 102	03 09 03.62350016	10 29 16.3409599	0.00000415	0.0000770	−0.209	52036.1	47394.1	54768.6	76	952
ICRF J030956.0 − 605839	0308 − 611	03 09 56.09915397	−60 58 39.0561502	0.00000861	0.0000726	0.169	50431.8	47626.5	54907.7	121	1152
ICRF J031049.8 + 381453	0307 + 380	03 10 49.87992951	38 14 53.8378720	0.00000642	0.0001107	−0.044	53283.0	49939.8	54901.7	11	347
ICRF J031301.9 + 412001	0309 + 411	03 13 01.96212305	41 20 01.1835585	0.00000480	0.0000642	−0.147	52400.3	47165.8	54818.7	47	1138
ICRF J032536.8 + 222400	0322 + 222	03 25 36.81435154	22 24 00.3655873	0.00000389	0.0000695	−0.141	51716.8	50085.5	54907.7	32	1171
ICRF J033413.6 − 400825	0332 − 403	03 34 13.65451358	−40 08 25.3978415	0.00001125	0.0001211	−0.345	51855.9	47640.2	54893.7	25	212
ICRF J033553.9 − 543025	0334 − 546	03 35 53.92484162	−54 30 25.1146727	0.00001704	0.0002055	0.355	52901.7	48388.4	54706.7	31	113
ICRF J034506.4 + 145349	0342 + 147	03 45 06.41654424	14 53 49.5582021	0.00000446	0.0000837	−0.094	51563.2	47394.1	54676.7	47	894
ICRF J034838.1 − 274913	0346 − 279	03 48 38.14457723	−27 49 13.5655526	0.00000599	0.0000929	−0.157	53999.3	50688.3	54901.7	11	372
ICRF J040145.1 + 211028	0358 + 210	04 01 45.16607260	21 10 28.5870359	0.00000639	0.0001325	−0.026	52184.0	50085.5	54887.7	15	396
ICRF J040353.7 − 360501	0402 − 362	04 03 53.74989835	−36 05 01.9131085	0.00000359	0.0000487	0.161	52084.5	47415.7	54887.7	857	7648
ICRF J040534.0 − 130813	0403 − 132	04 05 34.00338957	−13 08 13.6907083	0.00000397	0.0001030	−0.146	51867.0	47176.5	54112.8	20	745
ICRF J040659.0 − 382628	0405 − 385	04 06 59.03533560	−38 26 28.0423567	0.00000423	0.0000575	−0.147	53096.5	48162.4	54882.8	286	2087
ICRF J041636.5 − 185108	0414 − 189	04 16 36.54445140	−18 51 08.3400284	0.00000471	0.0000851	−0.100	52136.7	46840.8	54803.7	39	930
ICRF J042315.8 − 012033	0420 − 014	04 23 15.80072776	−01 20 33.0654034	0.00000279	0.0000450	−0.037	48415.7	44773.8	54893.7	1290	30117
ICRF J042446.8 + 003606	0422 + 004	04 24 46.84206092	00 36 06.3293676	0.00000385	0.0000768	−0.082	52464.8	46976.8	54887.7	31	1013
ICRF J042952.9 + 272437	0426 + 273	04 29 52.96076804	27 24 37.8762939	0.00000428	0.0000790	0.059	52851.0	50219.8	54802.7	35	984
ICRF J043337.8 + 290555	0430 + 289	04 33 37.82985993	29 05 55.4770346	0.00000372	0.0000576	−0.044	51901.2	50043.8	54901.7	52	1948
ICRF J043900.8 − 452222	0437 − 454	04 39 00.85466883	−45 22 22.5628657	0.00001180	0.0001577	−0.108	52776.1	48766.9	54670.7	35	269
ICRF J044331.6 + 344106	0440 + 345	04 43 31.63520255	34 41 06.6640222	0.00000445	0.0000642	−0.049	50605.8	47718.4	51967.7	37	1454
ICRF J044907.6 + 112128	0446 + 112	04 49 07.67110088	11 21 28.5964577	0.00000341	0.0000603	−0.082	53331.6	47394.1	54845.7	41	1722
ICRF J045005.4 − 810102	0454 − 810	04 50 05.44020132	−81 01 02.2313228	0.00004163	0.0000967	0.064	51639.5	47626.5	54726.7	49	342
ICRF J045703.1 − 232452	0454 − 234	04 57 03.17922863	−23 24 52.0201418	0.00000299	0.0000428	−0.026	51444.2	46440.9	54903.8	2533	55475
ICRF J050112.8 − 015914	0458 − 020	05 01 12.80988366	−01 59 14.2562534	0.00000273	0.0000424	−0.068	51137.5	44773.8	54907.7	2150	48225
ICRF J050145.2 + 135607	0458 + 138	05 01 45.27082031	13 56 07.2204176	0.00000539	0.0001288	−0.026	52136.0	47394.1	54201.7	28	619
ICRF J050643.9 − 610940	0506 − 612	05 06 43.98872791	−61 09 40.9937940	0.00001524	0.0001190	0.113	52511.7	48110.9	54880.7	41	182
ICRF J050842.3 + 843204	0454 + 844	05 08 42.36345199	84 32 04.5440155	0.00003335	0.0000494	−0.108	52914.6	44343.6	54889.8	165	4081
ICRF J050927.4 + 101144	0506 + 101	05 09 27.45706864	10 11 44.6000396	0.00000378	0.0000826	−0.113	52566.7	47394.1	54872.7	42	1174
ICRF J051002.3 + 180041	0507 + 179	05 10 02.36912982	18 00 41.5816534	0.00000404	0.0000610	−0.075	51714.9	47605.1	54713.7	62	1182
ICRF J051644.9 − 620705	0516 − 621	05 16 44.92616793	−62 07 05.3892036	0.00001331	0.0001157	0.112	51882.1	48749.6	54726.7	37	218
ICRF J051803.8 + 205452	0515 + 208	05 18 03.82450329	20 54 52.4974899	0.00000620	0.0001535	−0.037	52114.2	50085.5	54907.7	11	428
ICRF J052234.4 − 610757	0522 − 611	05 22 34.42547880	−61 07 57.1335242	0.00002109	0.0001653	0.322	52851.2	47626.5	54706.7	20	90
ICRF J052531.4 − 455754	0524 − 460	05 25 31.40015013	−45 57 54.6848636	0.00001684	0.0001861	0.000	52412.0	49750.8	54726.7	28	161
ICRF J052616.6 − 483036	0524 − 485	05 26 16.67131064	−48 30 36.7915470	0.00001592	0.0002543	0.400	53913.6	53223.4	54726.7	11	68
ICRF J052732.7 + 033131	0524 + 034	05 27 32.70544796	03 31 31.5166429	0.00000484	0.0000871	−0.074	53092.2	49914.7	54893.7	12	441

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(Table 18: continued)

Designation[a]	Source[b]	α	δ	σ_α (s)	σ_δ ($''$)	$C_{\alpha-\delta}$	Epoch of Observation Mean	First	Last	$N_{\rm exp}$	$N_{\rm obs}$
ICRF J053315.8 + 482252	0529 + 483	05 33 15.86578266	48 22 52.8076620	0.00000506	0.0000584	−0.035	54311.3	50306.3	54852.7	13	1348
ICRF J053435.7 − 610607	0534 − 611	05 34 35.77248961	−61 06 07.0730607	0.00002193	0.0001790	0.082	53715.3	50182.6	54670.7	19	81
ICRF J053628.4 − 340111	0534 − 340	05 36 28.43237520	−34 01 11.4684150	0.00001027	0.0001610	0.218	53790.6	52306.7	54907.7	34	341
ICRF J053850.3 − 440508	0537 − 441	05 38 50.36155219	−44 05 08.9389165	0.00000392	0.0000442	0.010	52847.7	47305.8	54903.8	1085	18435
ICRF J053942.3 + 143345	0536 + 145	05 39 42.36599103	14 33 45.5616993	0.00000370	0.0000640	−0.147	51944.2	47394.1	54901.7	73	1202
ICRF J053954.2 − 283955	0537 − 286	05 39 54.28147645	−28 39 55.9478122	0.00000515	0.0000782	−0.036	52718.2	48573.8	54872.7	58	995
ICRF J054734.1 + 272156	0544 + 273	05 47 34.14892109	27 21 56.8425667	0.00000412	0.0000700	−0.101	51906.5	47394.1	54858.7	65	1421
ICRF J055009.5 − 573224	0549 − 575	05 50 09.58018296	−57 32 24.3965304	0.00001696	0.0002398	0.372	53796.1	53223.4	54670.7	10	64
ICRF J055530.8 + 394849	0552 + 398	05 55 30.80561150	39 48 49.1649664	0.00000355	0.0000413	0.001	51012.9	44090.5	54901.7	4068	337322
ICRF J055932.0 + 235353	0556 + 238	05 59 32.03313165	23 53 53.9267683	0.00000305	0.0000445	−0.020	52323.5	47394.1	54887.7	590	11999
ICRF J060309.1 + 174216	0600 + 177	06 03 09.13026176	17 42 16.8105604	0.00000479	0.0000799	−0.379	52205.7	47394.1	54664.7	46	829
ICRF J064632.0 + 445116	0642 + 449	06 46 32.02599463	44 51 16.5901237	0.00000386	0.0000413	−0.014	53168.5	45466.3	54903.8	1211	103287
ICRF J064814.0 − 304419	0646 − 306	06 48 14.09647071	−30 44 19.6596827	0.00000692	0.0000939	−0.154	52092.0	47640.2	54887.7	40	601
ICRF J065024.5 − 163739	0648 − 165	06 50 24.58185521	−16 37 39.7251917	0.00000350	0.0000578	−0.066	53236.8	46875.8	54907.7	60	1791
ICRF J065917.9 + 081330	0656 + 082	06 59 17.99603428	08 13 30.9533022	0.00000302	0.0000590	−0.377	53670.1	49914.7	54903.8	401	4840
ICRF J070001.5 + 170921	0657 + 172	07 00 01.52553646	17 09 21.7014901	0.00000308	0.0000490	−0.113	51827.5	47655.8	54907.7	183	4503
ICRF J071046.1 + 473211	0707 + 476	07 10 46.10487679	47 32 11.1427167	0.00000527	0.0000642	−0.057	51517.3	44343.6	54837.7	25	1162
ICRF J072153.4 + 712036	0716 + 714	07 21 53.44846336	71 20 36.3634253	0.00000948	0.0000470	−0.032	52163.3	44343.6	54893.7	136	2799
ICRF J072516.8 + 142513	0722 + 145	07 25 16.80776128	14 25 13.7466902	0.00000366	0.0000615	−0.102	52580.8	47394.1	54522.7	45	1266
ICRF J072611.7 + 791131	0718 + 792	07 26 11.73524096	79 11 31.0162085	0.00001488	0.0000415	0.002	52440.4	48223.7	54887.7	1251	34947
ICRF J073019.1 − 114112	0727 − 115	07 30 19.11247420	−11 41 12.6005110	0.00000278	0.0000422	−0.022	51578.1	45259.2	54903.8	3261	109457
ICRF J073918.0 + 013704	0736 + 017	07 39 18.03389693	01 37 04.6178588	0.00000337	0.0000580	−0.122	52409.0	44773.8	54845.7	63	1624
ICRF J074202.7 + 490015	0738 + 491	07 42 02.74894651	49 00 15.6089340	0.00000593	0.0000688	−0.037	53155.0	49750.8	54823.7	18	1156
ICRF J074554.0 − 004417	0743 − 006	07 45 54.08232111	−00 44 17.5398546	0.00000384	0.0000971	−0.089	51189.3	46527.7	53068.7	30	731
ICRF J074625.8 + 254902	0743 + 259	07 46 25.87417871	25 49 02.1347553	0.00000305	0.0000422	−0.054	53817.2	47407.6	54903.8	671	26091
ICRF J074836.1 + 240024	0745 + 241	07 48 36.10927469	24 00 24.1100315	0.00000349	0.0000542	−0.072	51144.2	47620.8	54810.7	159	2550
ICRF J075052.0 + 123104	0748 + 126	07 50 52.04573519	12 31 04.8281766	0.00000299	0.0000475	−0.125	52767.7	44773.8	54816.7	145	3819
ICRF J080248.0 + 180949	0759 + 183	08 02 48.03196182	18 09 49.2493958	0.00000519	0.0001104	−0.110	52214.7	50085.5	54872.7	12	494
ICRF J080518.1 + 614423	0800 + 618	08 05 18.17956846	61 44 23.7002968	0.00000740	0.0000609	−0.147	54532.8	52409.7	54887.7	10	981
ICRF J080757.5 + 043234	0805 + 046	08 07 57.53857015	04 32 34.5310021	0.00001020	0.0002069	−0.168	51371.7	49914.7	54664.7	14	174
ICRF J080839.6 + 495036	0804 + 499	08 08 39.66628353	49 50 36.5304035	0.00000426	0.0000414	−0.047	51488.4	44343.6	54893.7	1406	86324
ICRF J080856.6 + 405244	0805 + 410	08 08 56.65203923	40 52 44.8888616	0.00000366	0.0000425	−0.014	51735.0	48720.9	54901.7	575	18706
ICRF J081126.7 + 014652	0808 + 019	08 11 26.70731189	01 46 52.2202616	0.00000289	0.0000456	−0.024	52826.7	46977.9	54818.7	221	5330
ICRF J081525.9 + 363515	0812 + 367	08 15 25.94485739	36 35 15.1488917	0.00000449	0.0000725	−0.028	52354.7	45775.8	54657.8	21	973
ICRF J081815.9 + 422245	0814 + 425	08 18 15.99960470	42 22 45.4149140	0.00000486	0.0000575	−0.080	49202.0	44343.6	53051.1	149	2383

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(Table 18: continued)

Designation[a]	Source[b]	α	δ	σ_α (s)	σ_δ ($''$)	$C_{\alpha-\delta}$	Epoch of Observation Mean	First	Last	$N_{\rm exp}$	$N_{\rm obs}$
ICRF J082550.3 + 030924	0823 + 033	08 25 50.33835429	03 09 24.5200730	0.00000273	0.0000430	−0.029	51407.8	45466.3	54907.7	1365	49660
ICRF J083052.0 + 241059	0827 + 243	08 30 52.08619070	24 10 59.8204032	0.00000354	0.0000544	−0.131	51630.9	47023.7	54655.7	82	1980
ICRF J083639.2 − 201659	0834 − 201	08 36 39.21525294	−20 16 59.5040953	0.00000559	0.0001054	−0.121	52587.9	46840.8	54741.8	33	626
ICRF J085448.8 + 200630	0851 + 202	08 54 48.87492702	20 06 30.6408861	0.00000290	0.0000416	−0.039	50426.4	44342.2	54907.7	3449	149927
ICRF J085641.8 − 110514	0854 − 108	08 56 41.80414812	−11 05 14.4301901	0.00000512	0.0000778	−0.109	54477.1	53552.8	54858.7	15	344
ICRF J091437.9 + 024559	0912 + 029	09 14 37.91343166	02 45 59.2469393	0.00000329	0.0000601	−0.001	53574.1	47407.6	54865.7	30	1838
ICRF J092246.4 − 395935	0920 − 397	09 22 46.41826064	−39 59 35.0683561	0.00000431	0.0000859	−0.167	51602.8	47686.1	54907.7	227	3181
ICRF J092314.4 + 384939	0920 + 390	09 23 14.45293105	38 49 39.9101375	0.00000432	0.0000594	−0.003	52287.9	49736.9	54845.7	64	1567
ICRF J092751.8 − 203451	0925 − 203	09 27 51.82431596	−20 34 51.2324031	0.00000467	0.0000749	−0.146	52818.4	47777.3	54887.7	71	1010
ICRF J095232.0 + 351252	0949 + 354	09 52 32.02616656	35 12 52.4030592	0.00000524	0.0000893	−0.044	52576.8	50242.8	54887.7	16	483
ICRF J095819.6 + 472507	0955 + 476	09 58 19.67163931	47 25 07.8424347	0.00000404	0.0000414	−0.054	52388.7	48720.9	54907.7	2006	135716
ICRF J095820.9 + 322402	0955 + 326	09 58 20.94963113	32 24 02.2095353	0.00000390	0.0000580	−0.101	52606.9	47761.7	54657.8	29	1915
ICRF J095847.2 + 653354	0954 + 658	09 58 47.24510127	65 33 54.8180587	0.00000701	0.0000444	−0.117	49883.0	44343.6	54901.7	284	11507
ICRF J100614.0 − 501813	1004 − 500	10 06 14.00931618	−50 18 13.4706757	0.00001340	0.0001922	0.270	53837.6	49535.0	54795.7	22	105
ICRF J101447.0 + 230116	1012 + 232	10 14 47.06545658	23 01 16.5708649	0.00000413	0.0000634	−0.086	52012.0	47407.6	54712.7	34	1656
ICRF J101603.1 + 051302	1013 + 054	10 16 03.13646769	05 13 02.3414482	0.00000383	0.0000735	−0.020	54066.5	49914.7	54893.7	13	903
ICRF J101725.8 + 611627	1014 + 615	10 17 25.88757718	61 16 27.4966664	0.00000843	0.0000596	0.069	50914.9	49422.9	53153.2	22	1224
ICRF J101810.9 + 354239	1015 + 359	10 18 10.98809086	35 42 39.4408279	0.00000525	0.0001043	0.024	53327.1	50242.8	54880.7	10	493
ICRF J102343.5 − 664648	1022 − 665	10 23 43.53319996	−66 46 48.7177526	0.00002040	0.0001359	0.165	53658.5	52780.7	54670.7	27	153
ICRF J102444.8 + 191220	1022 + 194	10 24 44.80959508	19 12 20.4156249	0.00000354	0.0000619	−0.036	51418.7	47783.2	54803.7	41	2343
ICRF J103303.7 + 411606	1030 + 415	10 33 03.70786817	41 16 06.2329177	0.00000481	0.0000627	0.024	52634.8	47019.9	54818.7	29	1178
ICRF J103334.0 + 071126	1030 + 074	10 33 34.02429130	07 11 26.1477035	0.00000426	0.0000745	−0.080	52507.6	50855.8	54627.7	154	1220
ICRF J103653.4 − 374415	1034 − 374	10 36 53.43960199	−37 44 15.0656721	0.00001205	0.0001597	−0.102	53991.0	53223.4	54741.8	13	138
ICRF J103716.0 − 293402	1034 − 293	10 37 16.07973476	−29 34 02.8133345	0.00000324	0.0000444	−0.047	51514.0	46440.9	54903.8	1887	21896
ICRF J104146.7 + 523328	1038 + 528	10 41 46.78163764	52 33 28.2313168	0.00000517	0.0000524	0.029	51279.1	48524.8	54852.7	199	3040
ICRF J104423.0 + 805439	1039 + 811	10 44 23.06254789	80 54 39.4430277	0.00002013	0.0000478	−0.051	51808.6	47288.7	54788.7	53	2150
ICRF J104455.9 + 065538	1042 + 071	10 44 55.91124593	06 55 38.2626553	0.00000708	0.0001883	−0.211	51442.2	47777.3	52711.7	13	289
ICRF J104806.6 − 190935	1045 − 188	10 48 06.62060701	−19 09 35.7266240	0.00000394	0.0000869	−0.154	52670.5	47176.5	54858.7	33	1130
ICRF J105148.7 + 211952	1049 + 215	10 51 48.78907490	21 19 52.3138145	0.00000422	0.0000685	−0.088	51671.0	47931.6	54746.7	28	1229
ICRF J105811.5 + 811432	1053 + 815	10 58 11.53537962	81 14 32.6751819	0.00001836	0.0000420	0.003	52489.6	47453.0	54880.7	675	18890
ICRF J105829.6 + 013358	1055 + 018	10 58 29.60520747	01 33 58.8237691	0.00000300	0.0000526	−0.221	49266.2	44773.8	54601.7	307	6161
ICRF J110352.2 − 535700	1101 − 536	11 03 52.22167171	−53 57 00.6966293	0.00000939	0.0001166	0.232	50525.9	47626.5	54706.7	54	398
ICRF J110427.3 + 381231	1101 + 384	11 04 27.31394136	38 12 31.7990644	0.00000359	0.0000444	−0.101	51979.0	49519.8	54763.8	528	11654
ICRF J111358.6 + 144226	1111 + 149	11 13 58.69508359	14 42 26.9525965	0.00000484	0.0000982	−0.073	51713.1	47005.8	54789.7	42	779
ICRF J112553.7 + 261019	1123 + 264	11 25 53.71192285	26 10 19.9786840	0.00000360	0.0000544	−0.138	50804.2	46977.9	54907.7	165	2248

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(Table 18: continued)

Designation[a]	Source[b]	α	δ	σ_α (s)	σ_δ ($''$)	$C_{\alpha-\delta}$	Epoch of Observation Mean	First	Last	$N_{\rm exp}$	$N_{\rm obs}$
ICRF J112704.3 − 185717	1124 − 186	11 27 04.39244958	−18 57 17.4416582	0.00000292	0.0000432	0.009	52704.6	46875.8	54903.8	1087	27242
ICRF J113053.2 + 381518	1128 + 385	11 30 53.28261193	38 15 18.5469933	0.00000348	0.0000417	−0.044	51787.2	45775.8	54903.8	1227	63954
ICRF J113320.0 + 004052	1130 + 009	11 33 20.05579171	00 40 52.8372903	0.00000472	0.0000956	−0.129	51426.8	47019.9	54852.7	50	850
ICRF J113624.5 − 033029	1133 − 032	11 36 24.57693290	−03 30 29.4964694	0.00000509	0.0001256	−0.038	53907.2	50576.2	54845.7	10	474
ICRF J114553.6 − 695401	1143 − 696	11 45 53.62417065	−69 54 01.7977922	0.00002802	0.0001945	0.377	53671.0	52872.9	54706.7	14	72
ICRF J114658.2 + 395834	1144 + 402	11 46 58.29791629	39 58 34.3045026	0.00000392	0.0000483	−0.067	50262.3	45138.8	54872.7	177	4823
ICRF J114701.3 − 381211	1144 − 379	11 47 01.37070177	−38 12 11.0234199	0.00000362	0.0000456	−0.014	52592.2	47654.0	54907.7	928	10954
ICRF J114751.5 − 072441	1145 − 071	11 47 51.55402876	−07 24 41.1410887	0.00000294	0.0000529	−0.170	51567.1	47176.5	54713.7	161	7586
ICRF J115019.2 + 241753	1147 + 245	11 50 19.21217405	24 17 53.8353207	0.00000401	0.0000671	−0.100	52721.4	48720.9	54893.7	20	1262
ICRF J115217.2 − 084103	1149 − 084	11 52 17.20951537	−08 41 03.3138824	0.00000432	0.0000688	−0.021	54046.7	50576.2	54893.7	15	517
ICRF J115918.3 − 663539	1156 − 663	11 59 18.30544873	−66 35 39.4272186	0.00002870	0.0002008	0.313	53993.0	52872.9	54726.7	14	90
ICRF J115931.8 + 291443	1156 + 295	11 59 31.83390975	29 14 43.8268741	0.00000313	0.0000420	−0.038	52031.0	46977.9	54880.7	1312	47905
ICRF J121546.7 − 173145	1213 − 172	12 15 46.75176110	−17 31 45.4029502	0.00000377	0.0000745	−0.055	52572.7	46840.8	54907.7	54	1267
ICRF J121752.0 + 300700	1215 + 303	12 17 52.08196139	30 07 00.6359190	0.00000533	0.0000920	−0.089	51708.3	48434.7	54683.7	20	890
ICRF J122222.5 + 041315	1219 + 044	12 22 22.54962080	04 13 15.7761797	0.00000275	0.0000435	−0.070	51119.4	48378.8	54907.7	1241	31223
ICRF J122340.4 + 804004	1221 + 809	12 23 40.49373854	80 40 04.3404390	0.00002117	0.0000540	−0.006	51486.2	48022.7	54803.7	35	2145
ICRF J122847.4 + 370612	1226 + 373	12 28 47.42367744	37 06 12.0958631	0.00000471	0.0000705	0.003	51946.9	48378.8	54830.7	31	1147
ICRF J123924.5 + 073017	1236 + 077	12 39 24.58832517	07 30 17.1892686	0.00000389	0.0000729	−0.063	52779.9	48378.8	54601.7	28	960
ICRF J124251.3 + 375100	1240 + 381	12 42 51.36907635	37 51 00.0252447	0.00000504	0.0000664	−0.188	52701.2	49429.9	54818.7	18	1258
ICRF J124604.2 − 073046	1243 − 072	12 46 04.23210358	−07 30 46.5745473	0.00000407	0.0000811	−0.168	51744.3	47176.5	54684.7	69	1034
ICRF J124646.8 − 254749	1244 − 255	12 46 46.80203492	−25 47 49.2887900	0.00000375	0.0000587	−0.209	51956.8	46875.8	54880.7	131	1989
ICRF J125438.2 + 114105	1252 + 119	12 54 38.25561161	11 41 05.8951798	0.00000445	0.0000826	−0.094	52027.5	46977.9	54830.7	54	914
ICRF J125459.9 − 713818	1251 − 713	12 54 59.92144870	−71 38 18.4366697	0.00002216	0.0001076	0.122	50743.2	47626.5	54726.7	38	258
ICRF J130252.4 + 574837	1300 + 580	13 02 52.46527568	57 48 37.6093180	0.00000515	0.0000415	−0.005	52953.0	49422.9	54844.7	942	71553
ICRF J131059.4 + 323334	1308 + 328	13 10 59.40272936	32 33 34.4496333	0.00000376	0.0000557	−0.016	52791.2	49706.7	54865.7	55	2153
ICRF J131607.9 − 333859	1313 − 333	13 16 07.98593995	−33 38 59.1725057	0.00000370	0.0000587	−0.134	51699.5	47415.7	54657.8	334	4738
ICRF J132700.8 + 221050	1324 + 224	13 27 00.86131377	22 10 50.1629729	0.00000320	0.0000496	−0.073	53314.8	48429.0	54901.7	74	3162
ICRF J132901.1 − 560802	1325 − 558	13 29 01.14492878	−56 08 02.6657428	0.00001797	0.0002042	0.409	53671.8	52676.7	54670.7	27	126
ICRF J133739.7 − 125724	1334 − 127	13 37 39.78277768	−12 57 24.6932620	0.00000280	0.0000428	−0.018	51396.0	46840.8	54903.8	2674	73758
ICRF J134345.9 + 660225	1342 + 662	13 43 45.95957134	66 02 25.7451011	0.00000768	0.0000472	0.002	53694.5	47783.2	54887.7	31	3135
ICRF J134408.6 + 660611	1342 + 663	13 44 08.67966687	66 06 11.6438846	0.00000872	0.0000537	−0.015	51630.0	44343.6	54803.7	57	2123
ICRF J135256.5 − 441240	1349 − 439	13 52 56.53494294	−44 12 40.3875227	0.00001113	0.0001047	−0.392	52338.6	48110.9	54706.7	45	301
ICRF J135406.8 − 020603	1351 − 018	13 54 06.89532213	−02 06 03.1904447	0.00000278	0.0000479	−0.007	52358.7	48573.8	54901.7	882	15317
ICRF J135711.2 − 152728	1354 − 152	13 57 11.24497976	−15 27 28.7867232	0.00000356	0.0000600	−0.140	52510.7	46875.8	54818.7	136	1964
ICRF J135755.3 + 764321	1357 + 769	13 57 55.37153147	76 43 21.0510512	0.00001195	0.0000413	0.015	52397.9	47011.4	54903.8	1786	194975

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(Table 18: continued)

Designation[a]	Source[b]	α	δ	σ_α (s)	σ_δ ($''$)	$C_{\alpha-\delta}$	Epoch of Observation Mean	First	Last	$N_{\rm exp}$	$N_{\rm obs}$
ICRF J140856.4 − 075226	1406 − 076	14 08 56.48120036	−07 52 26.6664200	0.00000357	0.0000682	−0.147	52583.4	47176.5	54657.8	59	1385
ICRF J141946.5 + 542314	1418 + 546	14 19 46.59740212	54 23 14.7871875	0.00000474	0.0000419	−0.022	52721.5	45138.8	54907.7	697	32547
ICRF J141946.6 + 382148	1417 + 385	14 19 46.61376070	38 21 48.4750925	0.00000355	0.0000430	−0.009	53418.9	49750.8	54713.7	271	12066
ICRF J142455.5 − 680758	1420 − 679	14 24 55.55739563	−68 07 58.0945205	0.00002421	0.0002266	0.289	53830.0	52872.9	54723.8	15	76
ICRF J142549.0 + 142456	1423 + 146	14 25 49.01801632	14 24 56.9019040	0.00000659	0.0001657	−0.007	51188.2	50085.5	53690.7	15	334
ICRF J142756.2 − 420619	1424 − 418	14 27 56.29756536	−42 06 19.4375991	0.00000389	0.0000464	0.032	52594.1	47305.8	54907.7	886	8609
ICRF J143439.7 + 195200	1432 + 200	14 34 39.79335525	19 52 00.7358213	0.00000452	0.0000813	0.103	52140.7	48863.2	54907.7	29	1099
ICRF J144553.3 − 162901	1443 − 162	14 45 53.37628643	−16 29 01.6189137	0.00000690	0.0000981	−0.433	52430.8	47941.3	54741.8	35	499
ICRF J145239.6 − 650203	1448 − 648	14 52 39.67924989	−65 02 03.4333591	0.00003553	0.0002790	0.196	53586.2	52887.6	54726.7	13	53
ICRF J145432.9 − 401232	1451 − 400	14 54 32.91235921	−40 12 32.5142375	0.00000696	0.0001251	0.067	51860.3	47640.2	54732.7	54	684
ICRF J145859.3 + 041613	1456 + 044	14 58 59.35621201	04 16 13.8206019	0.00000546	0.0001029	−0.025	53225.9	49914.7	54893.7	15	426
ICRF J150048.6 + 475115	1459 + 480	15 00 48.65422191	47 51 15.5381838	0.00000554	0.0000616	0.003	51760.8	47459.8	54844.7	25	1739
ICRF J150424.9 + 102939	1502 + 106	15 04 24.97978142	10 29 39.1986151	0.00000298	0.0000496	−0.111	48555.5	44447.0	54664.7	623	13963
ICRF J150506.4 + 032630	1502 + 036	15 05 06.47715917	03 26 30.8126616	0.00000351	0.0000636	−0.099	53031.1	48853.8	54872.7	29	1503
ICRF J150609.5 + 373051	1504 + 377	15 06 09.52996778	37 30 51.1325044	0.00000466	0.0000660	−0.001	51732.7	46977.9	54614.7	32	1267
ICRF J151002.9 + 570243	1508 + 572	15 10 02.92236464	57 02 43.3759071	0.00000681	0.0000621	0.099	50741.0	49541.8	53153.2	53	1572
ICRF J151250.5 − 090559	1510 − 089	15 12 50.53292491	−09 05 59.8295878	0.00000310	0.0000560	−0.160	49643.6	44773.8	54713.7	354	5184
ICRF J151344.8 − 101200	1511 − 100	15 13 44.89341390	−10 12 00.2644930	0.00000437	0.0001068	−0.251	51598.7	46875.8	53153.2	34	718
ICRF J151656.7 + 193212	1514 + 197	15 16 56.79616342	19 32 12.9920178	0.00000391	0.0000712	−0.111	52149.3	48434.7	54858.7	33	1269
ICRF J152149.6 + 433639	1520 + 437	15 21 49.61387985	43 36 39.2681562	0.00000567	0.0000873	0.088	53679.3	50242.8	54901.7	11	367
ICRF J152237.6 − 273010	1519 − 273	15 22 37.67598872	−27 30 10.7854174	0.00000320	0.0000444	0.010	53348.7	46875.8	54887.7	659	11666
ICRF J154929.4 + 023701	1546 + 027	15 49 29.43684301	02 37 01.1634197	0.00000310	0.0000599	−0.135	53012.2	47005.8	54907.7	64	2191
ICRF J155035.2 + 052710	1548 + 056	15 50 35.26924162	05 27 10.4484262	0.00000314	0.0000557	−0.050	48158.6	44773.8	53609.2	254	6518
ICRF J155751.4 − 000150	1555 + 001	15 57 51.43397128	−00 01 50.4137075	0.00000324	0.0000624	−0.267	51279.0	44773.8	54901.7	235	2087
ICRF J155850.2 − 643229	1554 − 643	15 58 50.28436339	−64 32 29.6374071	0.00002934	0.0002738	0.200	53611.1	52861.2	54670.7	15	58
ICRF J155930.9 + 030448	1557 + 032	15 59 30.97261545	03 04 48.2568829	0.00000418	0.0000783	−0.066	51808.0	49541.8	54732.7	42	835
ICRF J160734.7 − 333108	1604 − 333	16 07 34.76234480	−33 31 08.9133114	0.00000993	0.0001104	−0.483	52916.8	48393.7	54741.8	49	506
ICRF J160846.2 + 102907	1606 + 106	16 08 46.20318554	10 29 07.7758300	0.00000277	0.0000419	0.014	51950.0	45138.8	54903.8	2259	116280
ICRF J161630.6 − 710831	1611 − 710	16 16 30.64155980	−71 08 31.4545422	0.00004268	0.0002293	0.353	53791.6	52887.6	54670.7	13	62
ICRF J161637.5 + 045932	1614 + 051	16 16 37.55681502	04 59 32.7367495	0.00000353	0.0000670	−0.181	51528.0	47605.1	54657.8	158	1619
ICRF J161914.8 + 224747	1617 + 229	16 19 14.82461057	22 47 47.8510784	0.00000540	0.0001014	−0.217	52327.2	50085.5	54901.7	11	542
ICRF J162418.4 − 680912	1619 − 680	16 24 18.43700573	−68 09 12.4965314	0.00002085	0.0001461	0.128	51926.5	47626.5	54706.7	30	167
ICRF J162546.8 − 252738	1622 − 253	16 25 46.89164010	−25 27 38.3267989	0.00000307	0.0000439	−0.017	51255.1	46840.8	54903.8	2182	33914
ICRF J162854.6 − 615236	1624 − 617	16 28 54.68982354	−61 52 36.3978862	0.00002301	0.0002064	0.231	53863.5	52861.2	54726.7	15	73
ICRF J163813.4 + 572023	1637 + 574	16 38 13.45629705	57 20 23.9790727	0.00000548	0.0000463	0.045	49616.1	44343.6	54907.7	324	7675

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(Table 18: continued)

Designation[a]	Source[b]	α	δ	σ_α (s)	σ_δ ($''$)	$C_{\alpha-\delta}$	Epoch of Observation Mean	First	Last	$N_{\rm exp}$	$N_{\rm obs}$
ICRF J164029.6 + 394646	1638 + 398	16 40 29.63277180	39 46 46.0285033	0.00000356	0.0000416	0.024	51119.1	44343.6	54852.7	1177	93554
ICRF J164125.2 + 225704	1639 + 230	16 41 25.22756501	22 57 04.0327611	0.00000376	0.0000698	−0.133	53216.0	50085.5	54907.7	31	1283
ICRF J164207.8 + 685639	1642 + 690	16 42 07.84850549	68 56 39.7564973	0.00000785	0.0000428	0.017	51281.4	44090.5	54614.7	194	13165
ICRF J164257.3 − 810835	1633 − 810	16 42 57.34565318	−81 08 35.0701687	0.00009167	0.0002633	0.274	53711.6	52861.2	54670.7	15	50
ICRF J170053.1 − 261051	1657 − 261	17 00 53.15406129	−26 10 51.7253457	0.00000377	0.0000665	−0.205	52210.7	46875.8	54887.7	99	2558
ICRF J170144.8 − 562155	1657 − 562	17 01 44.85811384	−56 21 55.9019532	0.00001398	0.0001933	0.313	53753.0	52676.7	54723.8	29	142
ICRF J170336.5 − 621240	1659 − 621	17 03 36.54124564	−62 12 40.0081704	0.00001844	0.0001686	0.408	53741.4	52780.7	54726.7	22	111
ICRF J170734.4 + 014845	1705 + 018	17 07 34.41527100	01 48 45.6992837	0.00000342	0.0000736	−0.138	51738.7	48194.7	54858.7	65	1498
ICRF J170934.3 − 172853	1706 − 174	17 09 34.34539327	−17 28 53.3649724	0.00000453	0.0000943	−0.337	52211.4	48093.0	54741.8	149	900
ICRF J171913.0 + 174506	1717 + 178	17 19 13.04848160	17 45 06.4373011	0.00000372	0.0000702	0.009	52556.6	47011.4	54830.7	29	1476
ICRF J172727.6 + 453039	1726 + 455	17 27 27.65080470	45 30 39.7313444	0.00000392	0.0000417	0.034	51622.9	48720.9	54798.5	1342	54791
ICRF J173302.7 − 130449	1730 − 130	17 33 02.70578476	−13 04 49.5481484	0.00000313	0.0000540	−0.112	47785.2	45259.2	53609.2	635	15034
ICRF J173340.7 − 793555	1725 − 795	17 33 40.70027819	−79 35 55.7166934	0.00005617	0.0001818	0.213	53897.2	52887.6	54723.8	14	80
ICRF J173420.5 + 385751	1732 + 389	17 34 20.57853662	38 57 51.4430746	0.00000447	0.0000596	−0.049	51811.4	46977.9	54858.7	62	1455
ICRF J173927.3 + 495503	1738 + 499	17 39 27.39049252	49 55 03.3684410	0.00000608	0.0000725	0.013	52608.9	49422.9	54901.7	18	986
ICRF J173957.1 + 473758	1738 + 476	17 39 57.12907360	47 37 58.3615566	0.00000538	0.0000643	0.071	51602.7	47288.7	54713.7	29	1261
ICRF J174358.8 − 035004	1741 − 038	17 43 58.85613396	−03 50 04.6166450	0.00000273	0.0000422	0.021	51323.2	44773.8	54903.8	3318	130762
ICRF J174535.2 + 172001	1743 + 173	17 45 35.20817083	17 20 01.4236878	0.00000393	0.0000762	−0.162	51587.7	46977.9	54657.8	52	1059
ICRF J174614.0 + 622654	1745 + 624	17 46 14.03413721	62 26 54.7383903	0.00000601	0.0000420	0.066	51974.3	48916.8	54893.7	925	27177
ICRF J175132.8 + 093900	1749 + 096	17 51 32.81857318	09 39 00.7284829	0.00000276	0.0000419	0.031	51989.2	44447.0	54907.7	2635	108967
ICRF J175342.4 + 284804	1751 + 288	17 53 42.47364429	28 48 04.9388841	0.00000361	0.0000544	−0.091	52901.8	47005.8	54901.7	44	1608
ICRF J175653.1 + 153520	1754 + 155	17 56 53.10213624	15 35 20.8265328	0.00000522	0.0001064	0.132	53639.4	52306.7	54893.7	11	491
ICRF J180024.7 + 384830	1758 + 388	18 00 24.76536125	38 48 30.6975330	0.00000414	0.0000540	−0.037	52081.0	49429.9	54907.7	42	1570
ICRF J180045.6 + 782804	1803 + 784	18 00 45.68391641	78 28 04.0184502	0.00001378	0.0000413	0.023	50587.1	44343.6	54907.7	2295	157326
ICRF J180132.3 + 440421	1800 + 440	18 01 32.31482108	44 04 21.9003219	0.00000421	0.0000505	0.050	53394.6	48194.7	54845.7	39	2759
ICRF J180323.4 − 650736	1758 − 651	18 03 23.49666700	−65 07 36.7612094	0.00001681	0.0001262	0.198	52673.9	48043.8	54706.7	30	175
ICRF J180957.8 − 455241	1806 − 458	18 09 57.87175020	−45 52 41.0139197	0.00001886	0.0001793	−0.382	53146.2	49629.6	54726.7	37	182
ICRF J181945.3 − 552120	1815 − 553	18 19 45.39951849	−55 21 20.7453785	0.00000818	0.0000552	0.025	51665.2	47626.5	54903.8	334	1726
ICRF J182332.8 + 685752	1823 + 689	18 23 32.85390304	68 57 52.6125919	0.00001275	0.0000816	0.009	53891.4	49827.5	54901.7	10	419
ICRF J182407.0 + 565101	1823 + 568	18 24 07.06837771	56 51 01.4908371	0.00000529	0.0000448	0.034	51440.8	44343.6	54887.7	205	6364
ICRF J182912.4 − 581355	1824 − 582	18 29 12.40237320	−58 13 55.1616899	0.00002140	0.0002150	0.403	54023.5	53223.4	54726.7	10	58
ICRF J183728.7 − 710843	1831 − 711	18 37 28.71493799	−71 08 43.5545891	0.00002405	0.0001336	0.012	49334.4	47626.5	52971.6	23	229
ICRF J184233.6 + 680925	1842 + 681	18 42 33.64168915	68 09 25.2277840	0.00000865	0.0000490	−0.099	51888.8	44343.6	54830.7	26	2463
ICRF J184822.0 + 321902	1846 + 322	18 48 22.08858135	32 19 02.6037429	0.00000451	0.0000830	−0.018	53653.9	50219.8	54865.7	10	573
ICRF J184916.0 + 670541	1849 + 670	18 49 16.07228978	67 05 41.6802978	0.00000753	0.0000445	0.029	52094.0	48649.8	54713.7	148	5045

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(Table 18: continued)

Designation[a]	Source[b]	α	δ	σ_α (s)	σ_δ ($''$)	$C_{\alpha-\delta}$	Epoch of Observation Mean	First	Last	$N_{\rm exp}$	$N_{\rm obs}$
ICRF J191109.6 − 200655	1908 − 201	19 11 09.65289198	−20 06 55.1089891	0.00000298	0.0000476	−0.081	52233.4	46840.8	54865.7	852	14482
ICRF J192332.1 − 210433	1920 − 211	19 23 32.18981466	−21 04 33.3330547	0.00000424	0.0000794	−0.384	51790.5	47407.6	54858.7	93	999
ICRF J192451.0 − 291430	1921 − 293	19 24 51.05595514	−29 14 30.1210524	0.00000319	0.0000448	0.006	50176.4	45259.2	54903.8	1744	33365
ICRF J193006.1 − 605609	1925 − 610	19 30 06.16009446	−60 56 09.1841517	0.00002042	0.0002039	0.159	52356.8	47626.5	54706.7	26	120
ICRF J193124.9 + 224331	1929 + 226	19 31 24.91678444	22 43 31.2586209	0.00000381	0.0000665	−0.040	52878.8	48614.0	54907.7	36	2062
ICRF J193716.2 − 395801	1933 − 400	19 37 16.21735166	−39 58 01.5529907	0.00000832	0.0001018	−0.356	51868.7	47640.2	54810.7	53	371
ICRF J193926.6 − 152543	1936 − 155	19 39 26.65774750	−15 25 43.0584183	0.00000343	0.0000646	−0.171	52436.9	47176.5	54901.7	86	1763
ICRF J194025.5 − 690756	1935 − 692	19 40 25.52820104	−69 07 56.9714945	0.00002282	0.0001647	0.148	52017.0	47626.5	54726.7	31	128
ICRF J195542.7 + 513148	1954 + 513	19 55 42.73826837	51 31 48.5461210	0.00000538	0.0000539	−0.117	51522.9	45775.8	54818.7	58	2260
ICRF J195759.8 − 384506	1954 − 388	19 57 59.81927470	−38 45 06.3557585	0.00000365	0.0000457	−0.074	52549.4	48766.9	54907.7	849	12512
ICRF J200057.0 − 174857	1958 − 179	20 00 57.09044485	−17 48 57.6725440	0.00000291	0.0000433	0.011	51879.7	46875.8	54903.8	1320	29536
ICRF J200210.4 + 472528	2000 + 472	20 02 10.41825568	47 25 28.7737223	0.00000479	0.0000519	0.006	54513.2	50306.3	54880.7	16	1457
ICRF J200555.0 − 372341	2002 − 375	20 05 55.07090025	−37 23 41.4778536	0.00001226	0.0002700	0.185	53301.1	52306.7	54684.7	14	107
ICRF J201115.7 − 154640	2008 − 159	20 11 15.71093257	−15 46 40.2536652	0.00000349	0.0000676	−0.146	51615.5	46840.8	54907.7	116	1447
ICRF J203154.9 + 121941	2029 + 121	20 31 54.99427114	12 19 41.3403129	0.00000349	0.0000596	0.016	52328.2	47019.9	54788.7	46	1719
ICRF J205616.3 − 471447	2052 − 474	20 56 16.35981874	−47 14 47.6276461	0.00000463	0.0000516	−0.204	53381.0	48162.4	54903.8	285	3243
ICRF J210138.8 + 034131	2059 + 034	21 01 38.83416420	03 41 31.3209577	0.00000357	0.0000696	−0.036	52596.7	48434.7	54907.7	57	1569
ICRF J210841.0 + 143027	2106 + 143	21 08 41.03215158	14 30 27.0123177	0.00000467	0.0001236	−0.076	51110.8	50085.5	53355.7	12	605
ICRF J210933.1 − 411020	2106 − 413	21 09 33.18859195	−41 10 20.6053191	0.00000750	0.0001219	0.027	52594.7	47626.5	54880.7	55	520
ICRF J211529.4 + 293338	2113 + 293	21 15 29.41345556	29 33 38.3669657	0.00000317	0.0000432	0.011	53066.6	46977.9	54907.7	527	19303
ICRF J212630.7 − 460547	2123 − 463	21 26 30.70426484	−46 05 47.8920231	0.00001556	0.0003044	0.328	53732.0	53223.4	54706.7	13	46
ICRF J212912.1 − 153841	2126 − 158	21 29 12.17589777	−15 38 41.0413097	0.00000302	0.0000532	−0.015	53235.2	47176.5	54903.8	720	6058
ICRF J213410.3 − 015317	2131 − 021	21 34 10.30959643	−01 53 17.2387909	0.00000366	0.0000719	−0.230	51782.1	47176.5	54768.6	92	1317
ICRF J213901.3 + 142335	2136 + 141	21 39 01.30926937	14 23 35.9922096	0.00000282	0.0000421	−0.010	53139.2	45466.3	54837.7	947	42224
ICRF J214712.7 − 753613	2142 − 758	21 47 12.73062415	−75 36 13.2248179	0.00004159	0.0001621	0.175	52936.3	47626.5	54670.7	19	84
ICRF J215224.8 + 173437	2150 + 173	21 52 24.81939953	17 34 37.7950583	0.00000368	0.0000638	−0.098	52151.9	47005.8	54648.7	45	1763
ICRF J220743.7 − 534633	2204 − 540	22 07 43.73330411	−53 46 33.8197226	0.00001054	0.0001418	0.231	52590.7	48110.9	54726.7	43	235
ICRF J221205.9 + 235540	2209 + 236	22 12 05.96631138	23 55 40.5438272	0.00000304	0.0000428	0.011	53642.5	48194.7	54788.7	227	13321
ICRF J222305.9 − 345547	2220 − 351	22 23 05.93057815	−34 55 47.1774281	0.00001175	0.0003101	0.226	53774.6	53223.4	54741.8	20	128
ICRF J222547.2 − 045701	2223 − 052	22 25 47.25929302	−04 57 01.3907581	0.00000275	0.0000425	−0.009	53301.4	44773.8	54844.7	947	38566
ICRF J222940.0 − 083254	2227 − 088	22 29 40.08434003	−08 32 54.4353948	0.00000359	0.0000661	−0.181	51961.7	45466.3	54852.7	86	1127
ICRF J223036.4 + 694628	2229 + 695	22 30 36.46970494	69 46 28.0768954	0.00000853	0.0000443	0.010	54249.0	47459.8	54907.7	48	3820
ICRF J223513.2 − 483558	2232 − 488	22 35 13.23657712	−48 35 58.7945006	0.00000978	0.0001159	−0.018	52833.6	48162.4	54670.7	51	389
ICRF J223912.0 − 570100	2236 − 572	22 39 12.07592367	−57 01 00.8393966	0.00001773	0.0002127	0.312	53973.7	53223.4	54670.7	10	54
ICRF J224703.9 − 365746	2244 − 372	22 47 03.91732284	−36 57 46.3039624	0.00001209	0.0001214	−0.324	53586.9	52676.7	54741.8	24	254

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(Table 18: continued)

Designation[a]	Source[b]	α	δ	σ_α (s)	σ_δ ($''$)	$C_{\alpha-\delta}$	Epoch of Observation Mean	First	Last	$N_{\rm exp}$	$N_{\rm obs}$
ICRF J224838.6 − 323552	2245 − 328	22 48 38.68573771	−32 35 52.1879540	0.00001173	0.0001555	−0.641	50937.3	47394.1	53126.1	36	286
ICRF J225307.3 + 194234	2250 + 190	22 53 07.36917339	19 42 34.6287472	0.00000348	0.0000624	−0.079	52833.3	50085.5	54845.7	42	2828
ICRF J225717.3 + 074312	2254 + 074	22 57 17.30312249	07 43 12.3024770	0.00000391	0.0000828	−0.001	52174.3	47011.4	54601.7	52	1007
ICRF J225805.9 − 275821	2255 − 282	22 58 05.96288481	−27 58 21.2567425	0.00000320	0.0000455	0.175	50766.7	46875.8	54907.7	1559	19519
ICRF J230343.5 − 680737	2300 − 683	23 03 43.56462053	−68 07 37.4429706	0.00002212	0.0001313	0.071	53693.5	49650.8	54706.7	19	91
ICRF J232044.8 + 051349	2318 + 049	23 20 44.85659790	05 13 49.9525567	0.00000281	0.0000437	−0.082	53208.0	47019.9	54889.8	807	12205
ICRF J232917.7 − 473019	2326 − 477	23 29 17.70435026	−47 30 19.1148404	0.00000929	0.0001188	0.117	51685.6	47305.8	54726.7	64	346
ICRF J233633.9 − 411521	2333 − 415	23 36 33.98509655	−41 15 21.9839279	0.00001435	0.0002856	−0.017	53888.7	53223.4	54726.7	15	61
ICRF J234719.8 − 511036	2344 − 514	23 47 19.86409462	−51 10 36.0654829	0.00001458	0.0002418	0.368	54063.7	53223.4	54723.8	14	85
ICRF J235430.1 − 151311	2351 − 154	23 54 30.19518762	−15 13 11.2130207	0.00000576	0.0001319	−0.484	50462.3	47394.1	51282.8	39	451
ICRF J235600.6 − 682003	2353 − 686	23 56 00.68140587	−68 20 03.4717084	0.00001928	0.0001166	0.044	52861.1	48162.4	54723.8	33	178
ICRF J235753.2 − 531113	2355 − 534	23 57 53.26608808	−53 11 13.6893562	0.00001476	0.0001888	0.270	51084.2	47626.5	54706.7	40	181
ICRF J235810.8 − 102008	2355 − 106	23 58 10.88240761	−10 20 08.6113211	0.00000326	0.0000545	−0.155	52378.0	47394.1	54893.7	196	2707
ICRF J235933.1 + 385042	2356 + 385	23 59 33.18079739	38 50 42.3182943	0.00000359	0.0000436	−0.048	53220.2	49519.8	54907.7	813	10501
ICRF J235935.4 − 313343	2357 − 318	23 59 35.49154293	−31 33 43.8242510	0.00000861	0.0002660	0.051	53392.9	52409.7	54872.7	9	257

[a] ICRF Designations, constructed from the source coordinates
with the format ICRF JHHMMSS.s+DDMMSS or ICRF JHHMMSS.s-DDMMSS;
they follow the recommendations of the IAU Task Group on Designations.
[b] IERS Designations, previously constructed from B1950
coordinates; the complete format, including acronym and epoch in addition
to the coordinates, is IERS BHHMM+DDd or IERS BHHMM-DDd.