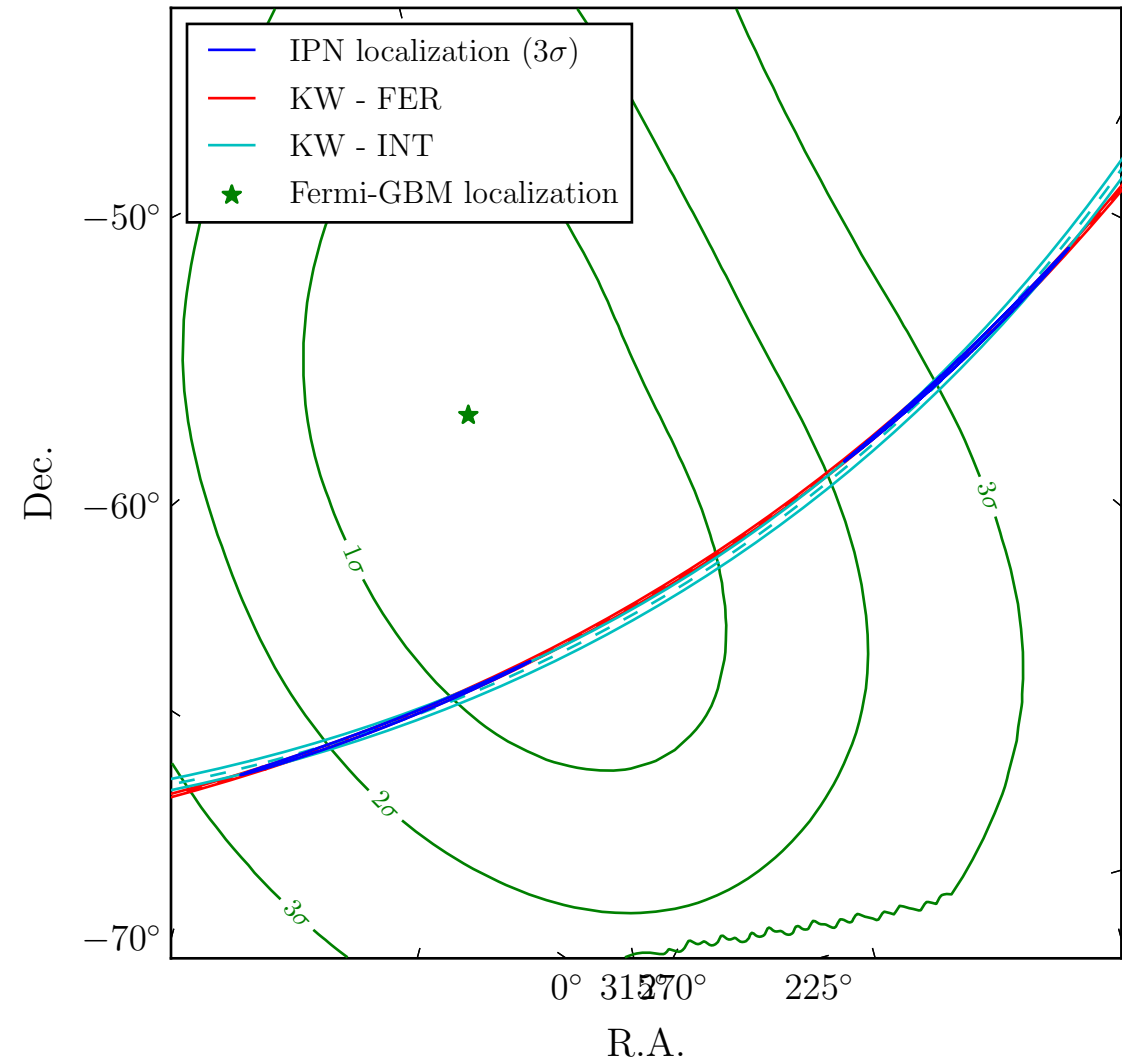
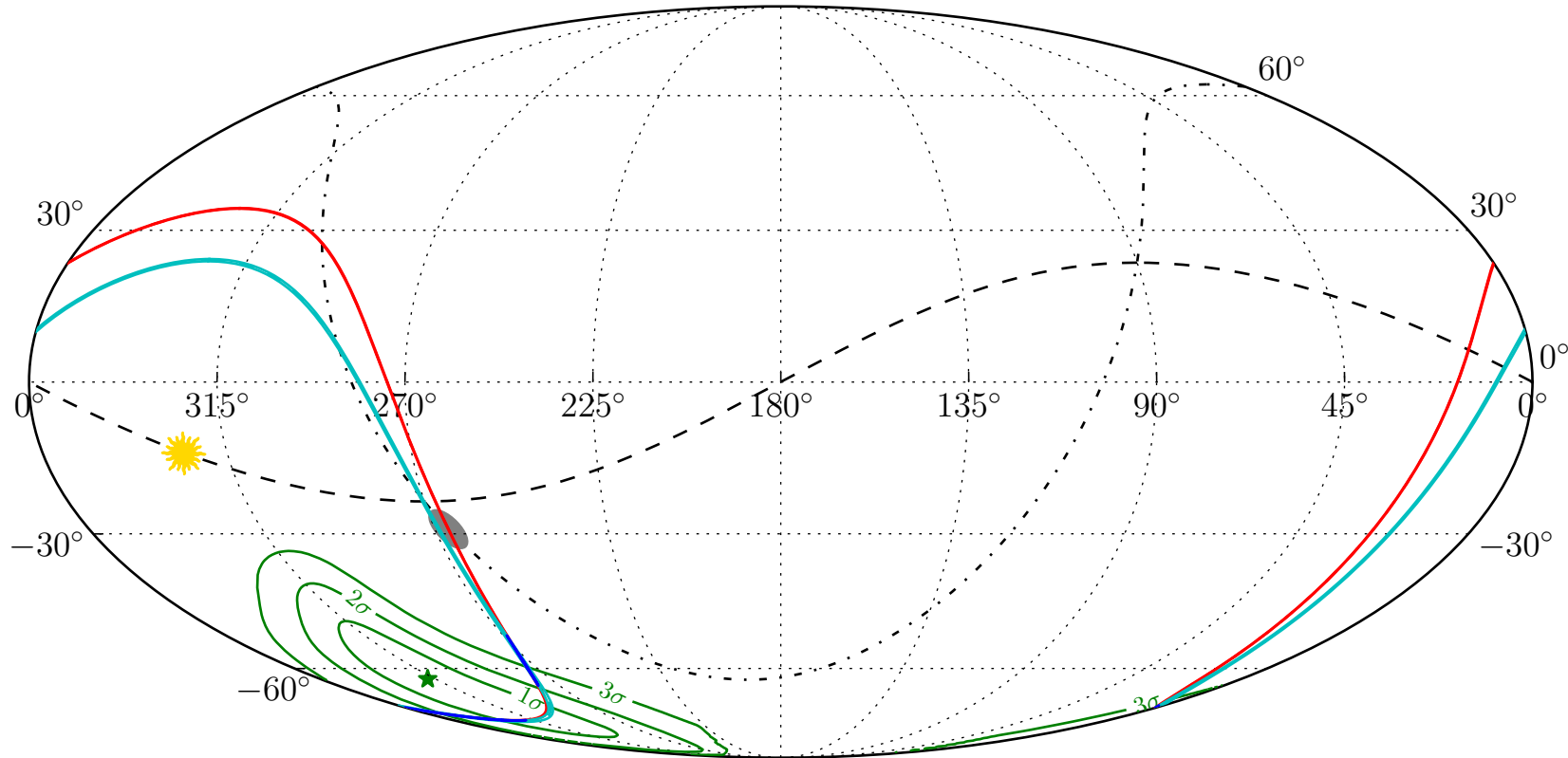


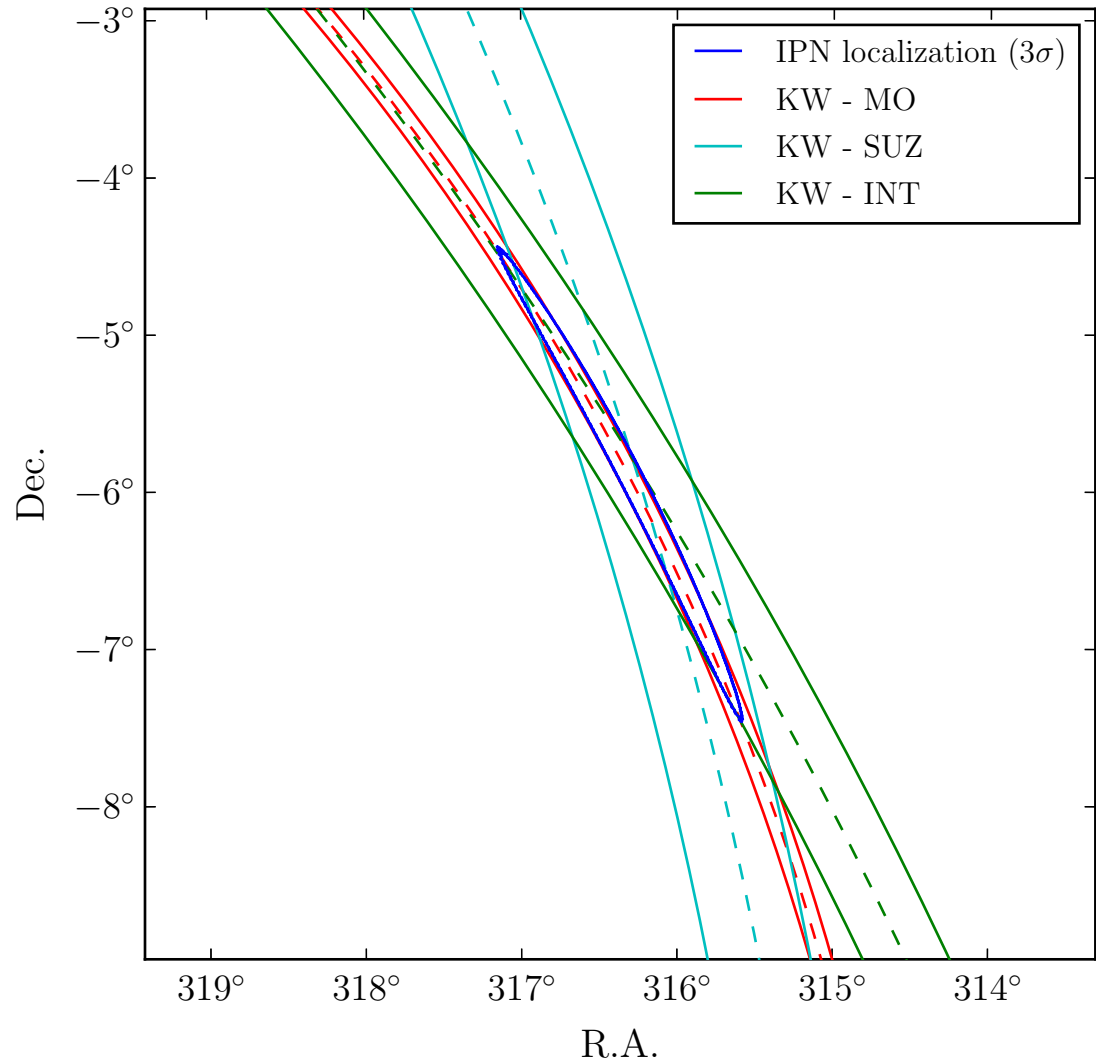
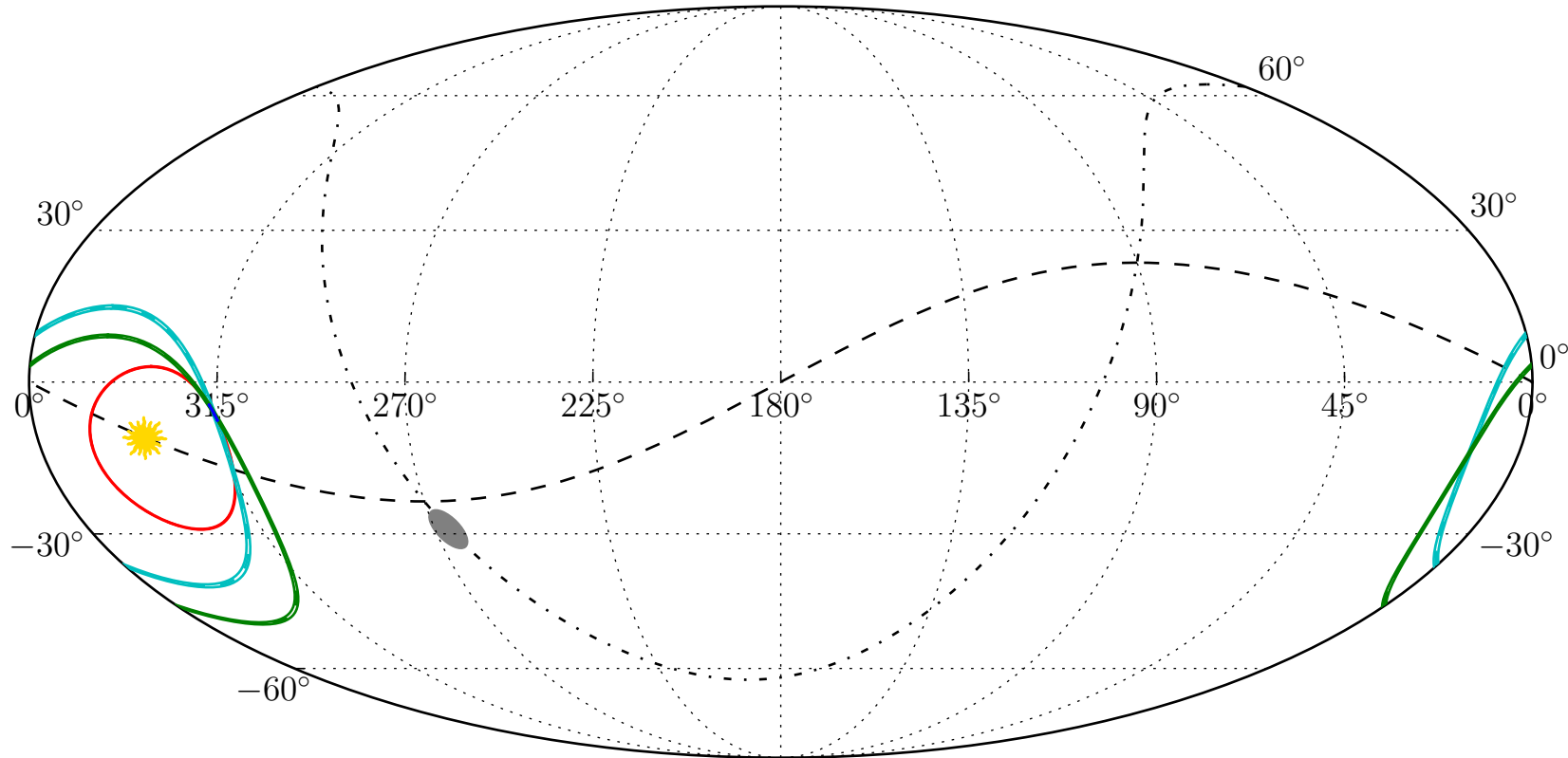
GRB20110212\_T47551 (2011-02-12 T<sub>0</sub>=47551.101 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	326.1161	-19.9156	54.4586	0.0676
KW - INT	324.7813	-25.3330	49.2767	0.2275

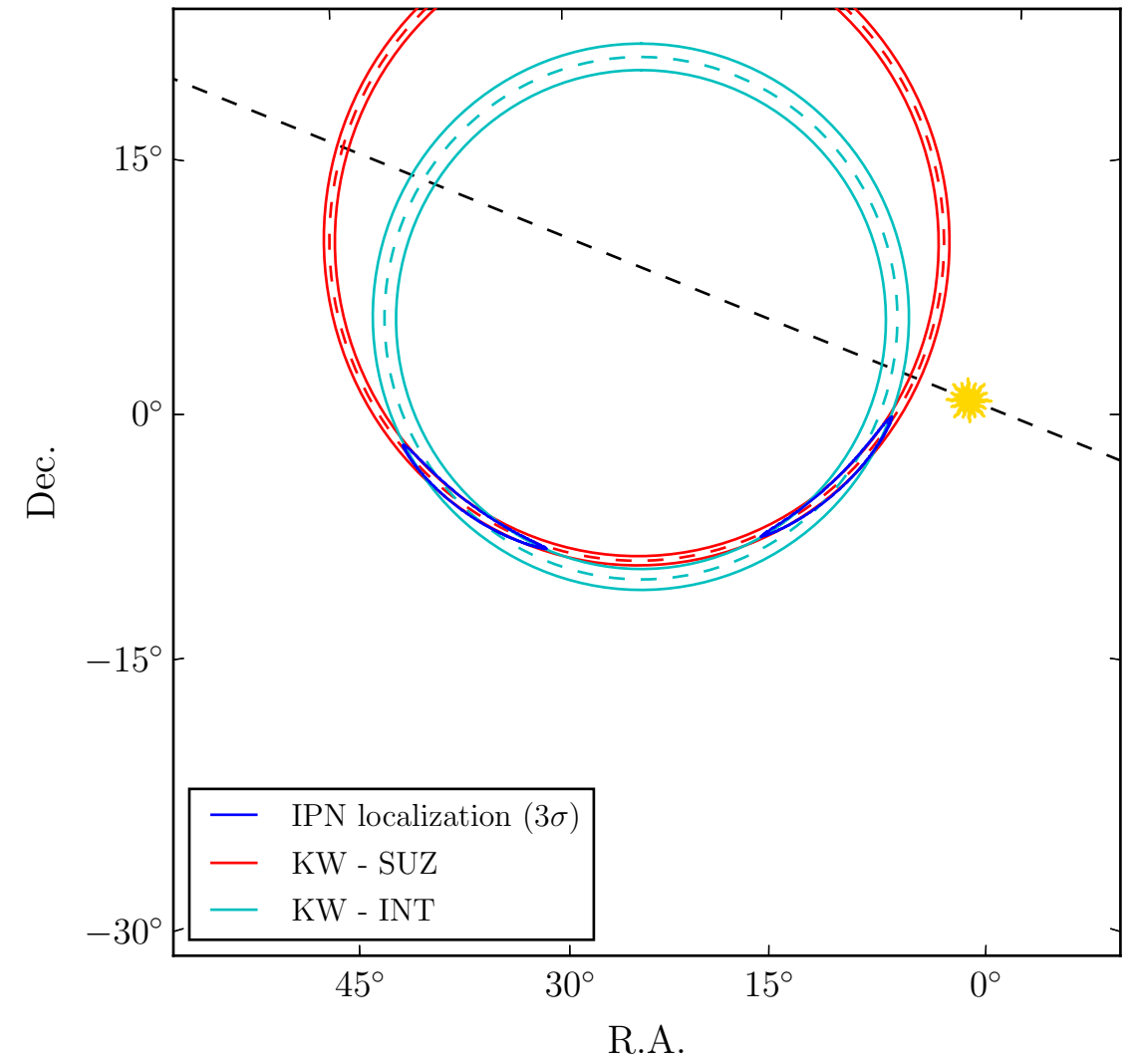
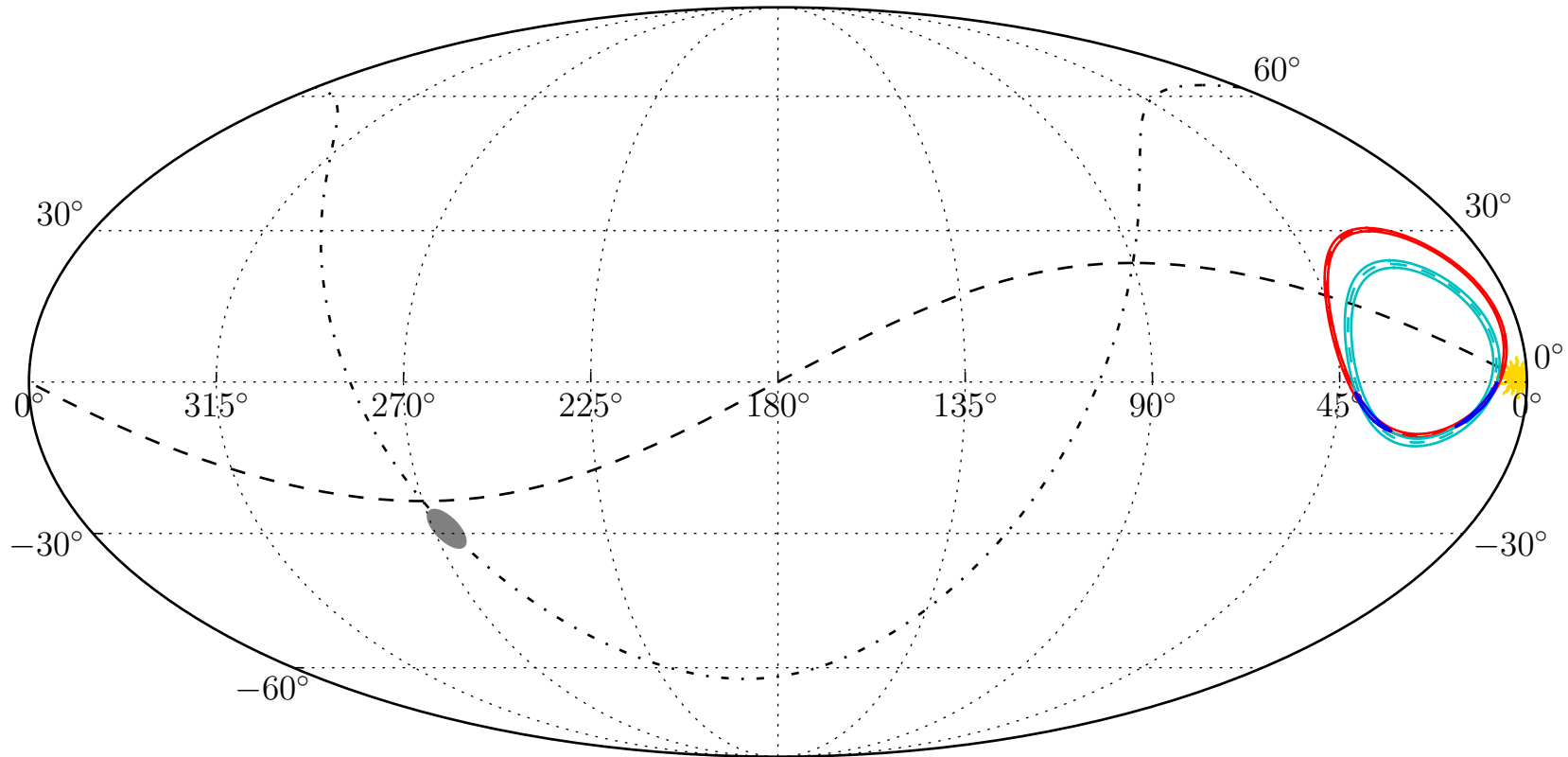
GRB20110221\_T18490 (2011-02-21 T<sub>0</sub>=18490.017 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	330.8868	-13.0377	16.0421	0.0675
KW - SUZ	343.4756	-13.1519	27.7836	0.3215
KW - INT	342.3842	-20.1351	29.1207	0.2494

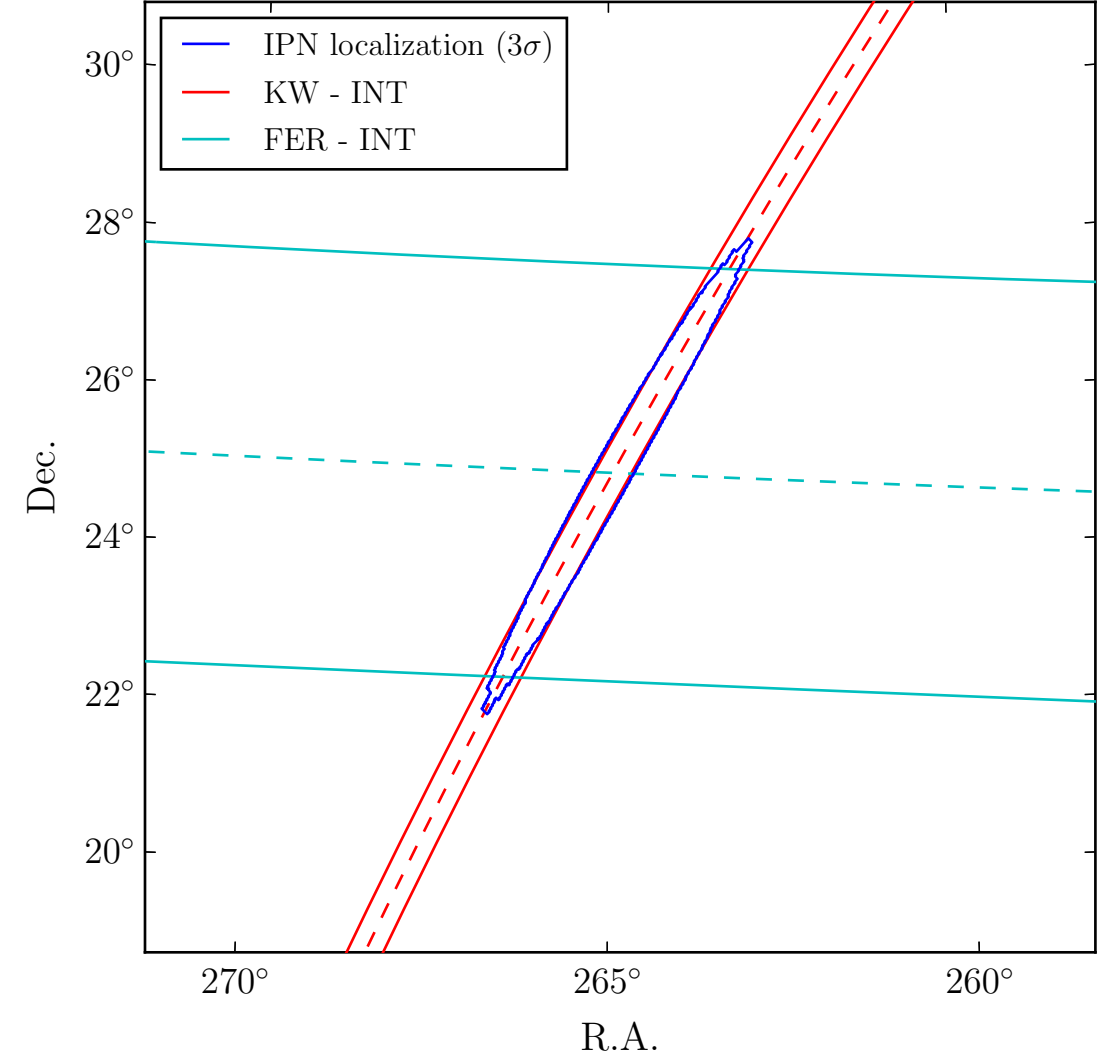
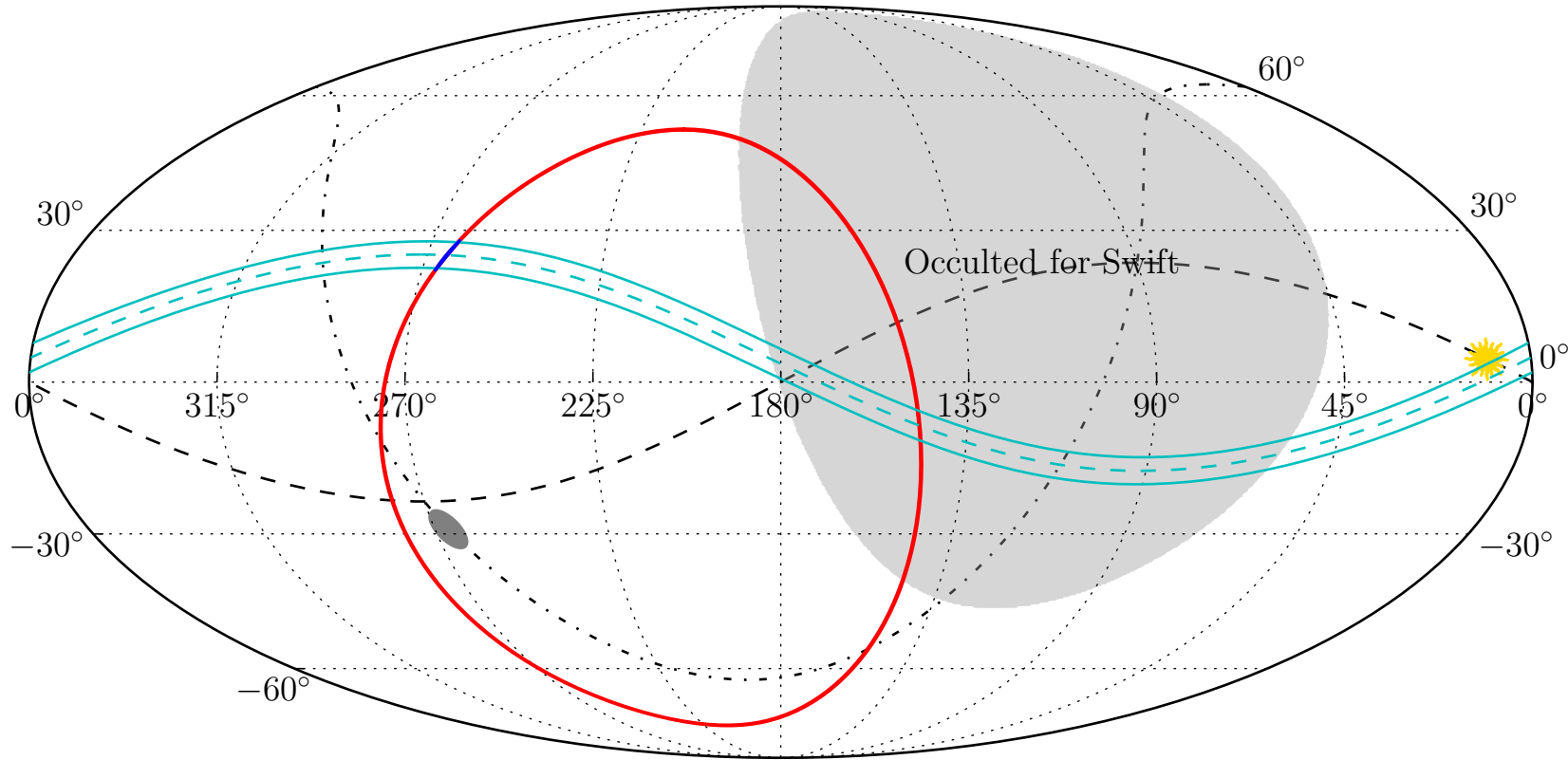
GRB20110323\_T57460 (2011-03-23 T<sub>0</sub>=57460.228 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SUZ	24.7970	9.8654	20.3465	0.3292
KW - INT	24.5553	5.7015	17.5108	0.7398

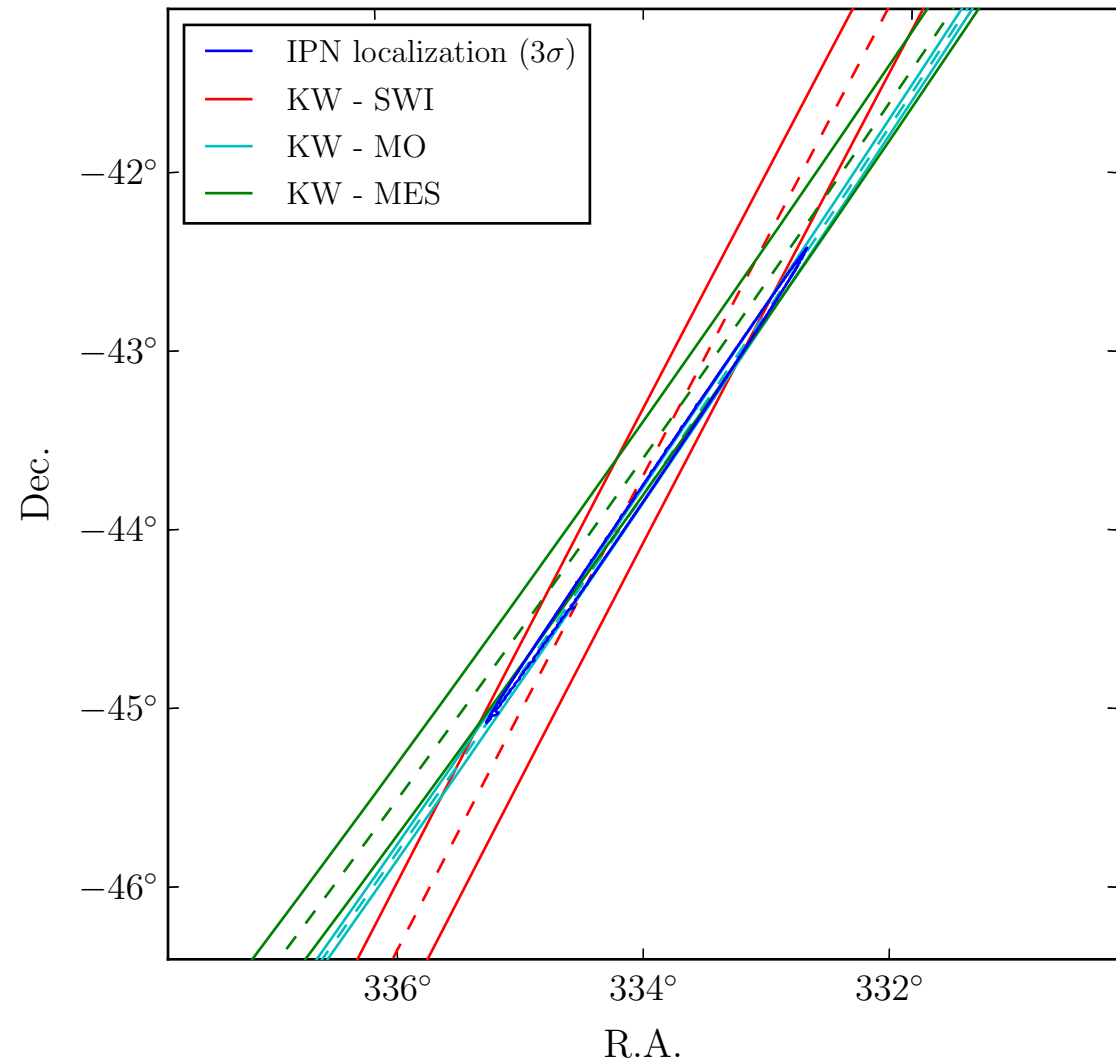
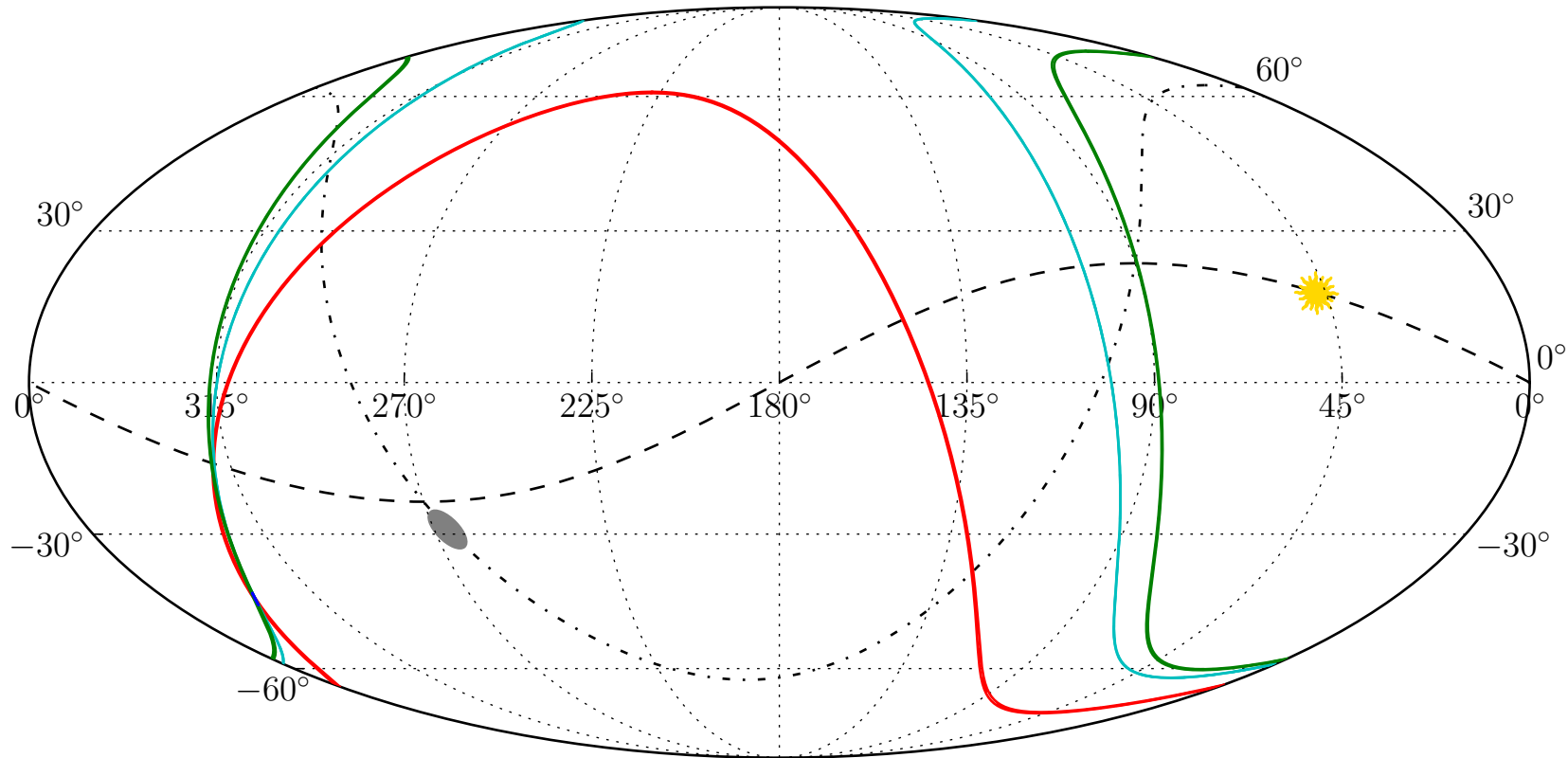
# GRB110401A (2011-04-01 T<sub>0</sub>=79461.937 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	211.5140	-12.0493	63.8763	0.2094
FER - INT	91.5378	68.7932	86.1199	2.6697

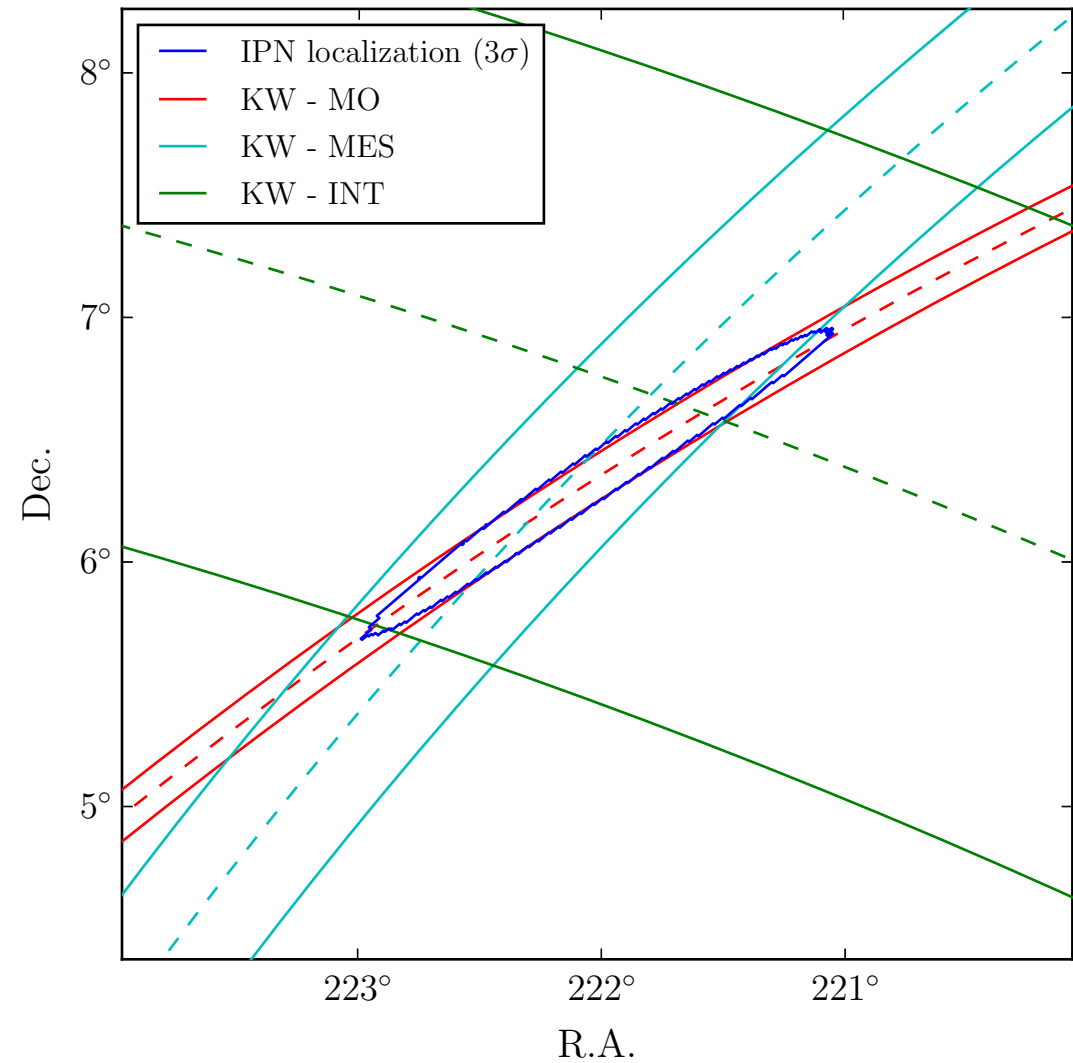
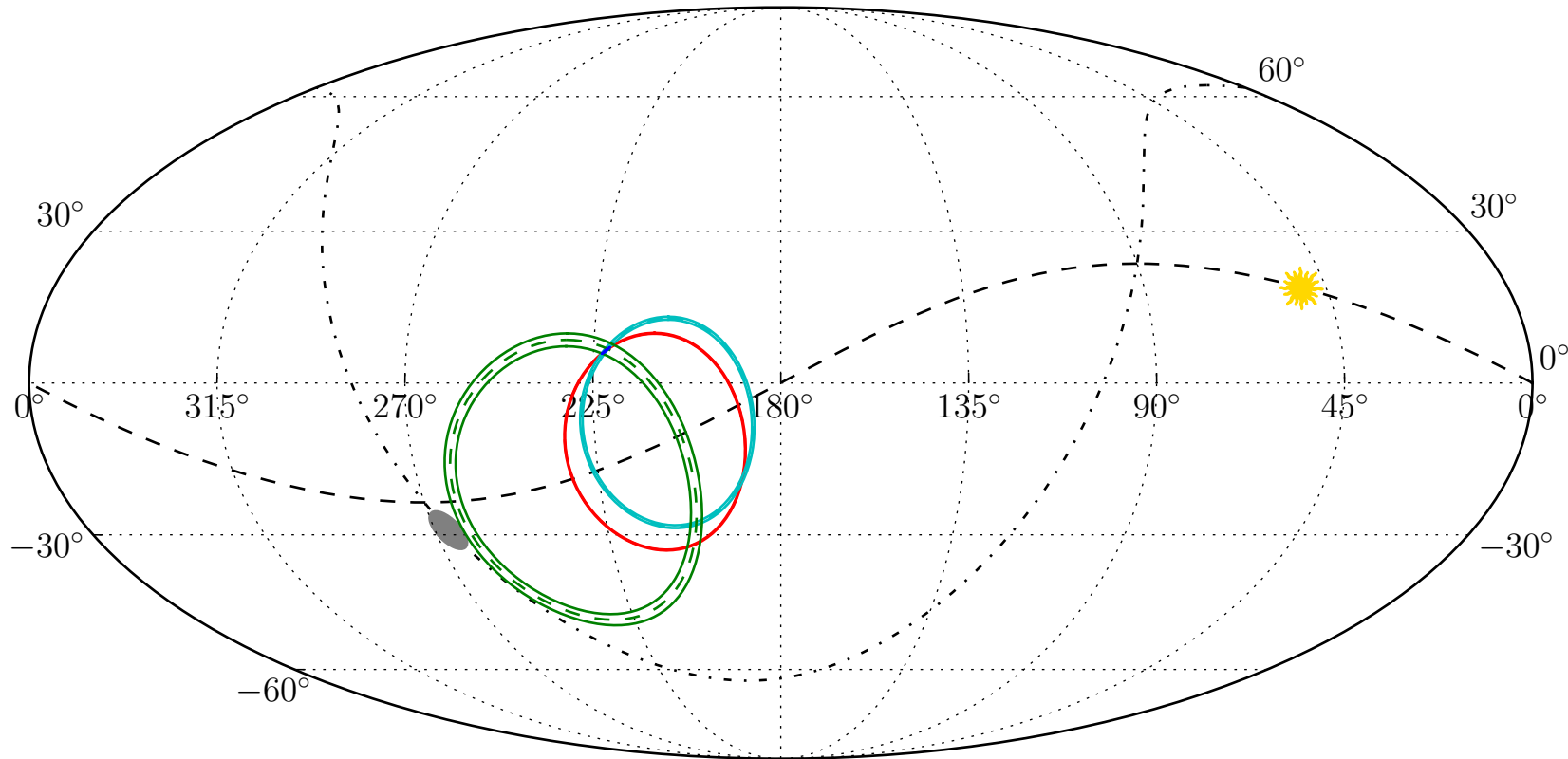
GRB20110510\_T80844 (2011-05-10 T<sub>0</sub>=80844.326 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	228.2411	-23.4898	84.5074	0.1747
KW - MO	27.6306	10.6593	73.0225	0.0249
KW - MES	22.7559	6.0257	66.3047	0.1191

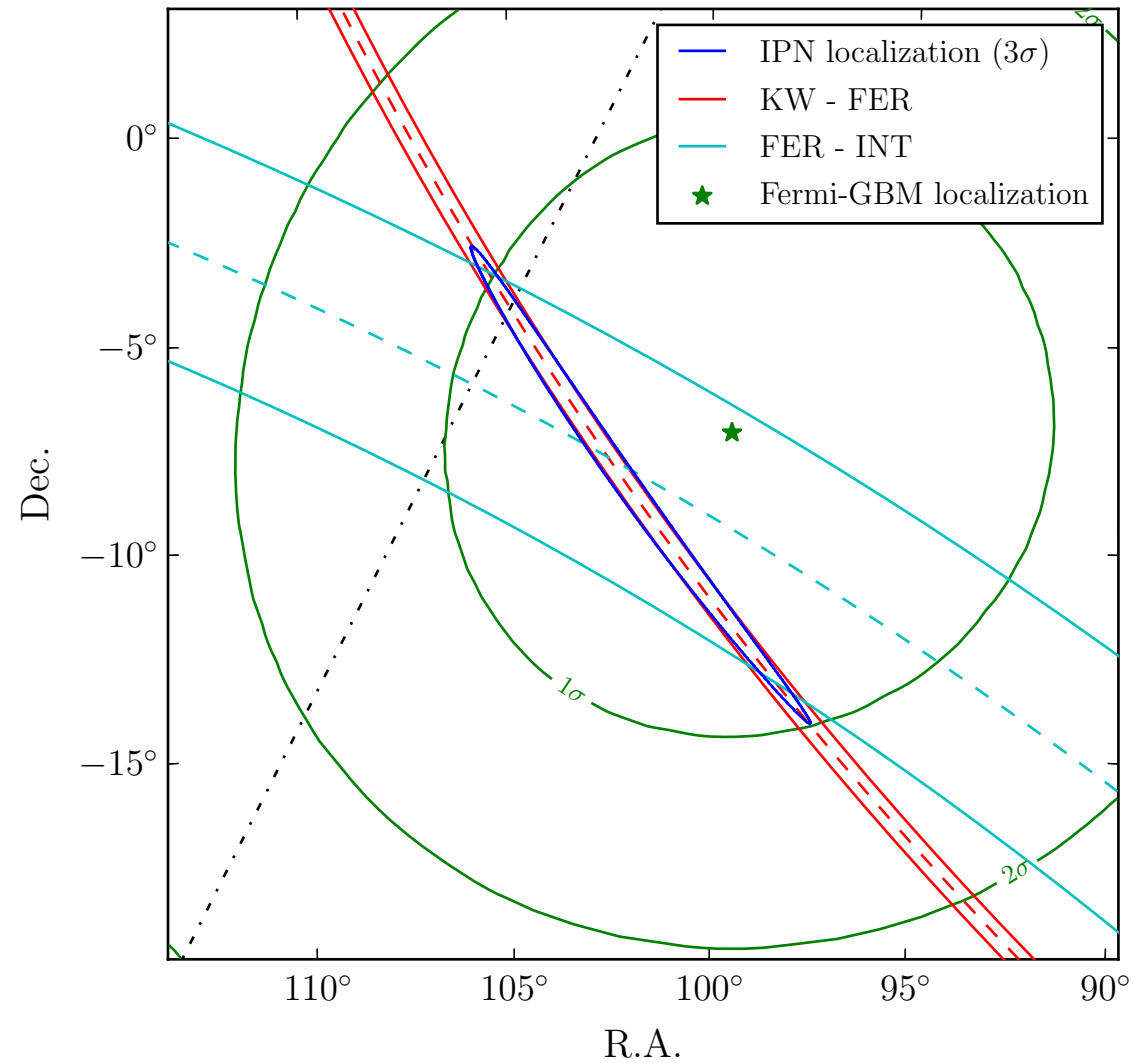
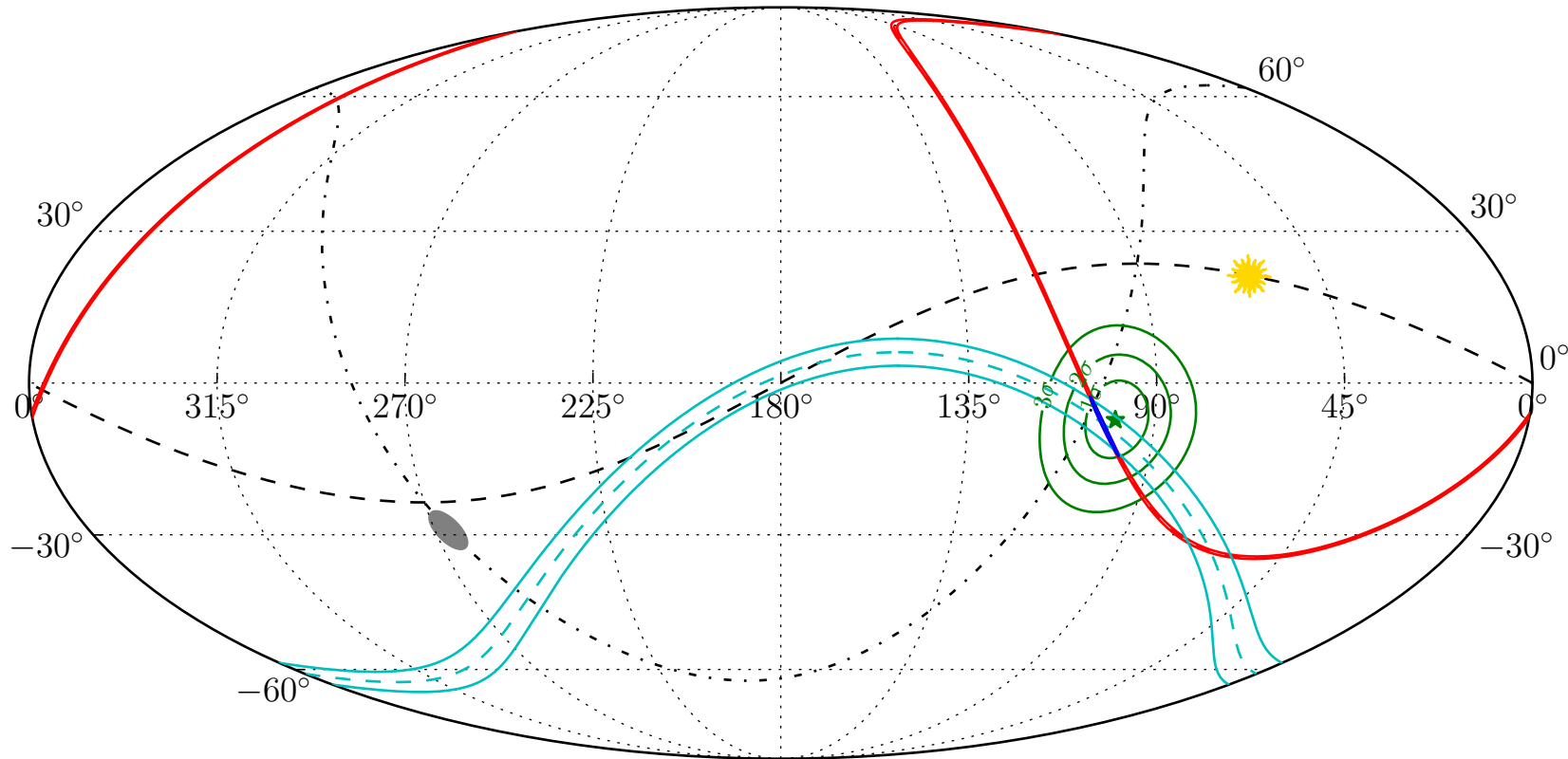
GRB20110514\_T79742 (2011-05-14 T<sub>0</sub>=79742.740 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	210.4969	-11.7421	21.4148	0.0830
KW - MES	207.3253	-7.8515	20.4855	0.2900
KW - INT	231.6244	-19.9039	28.2978	1.2619

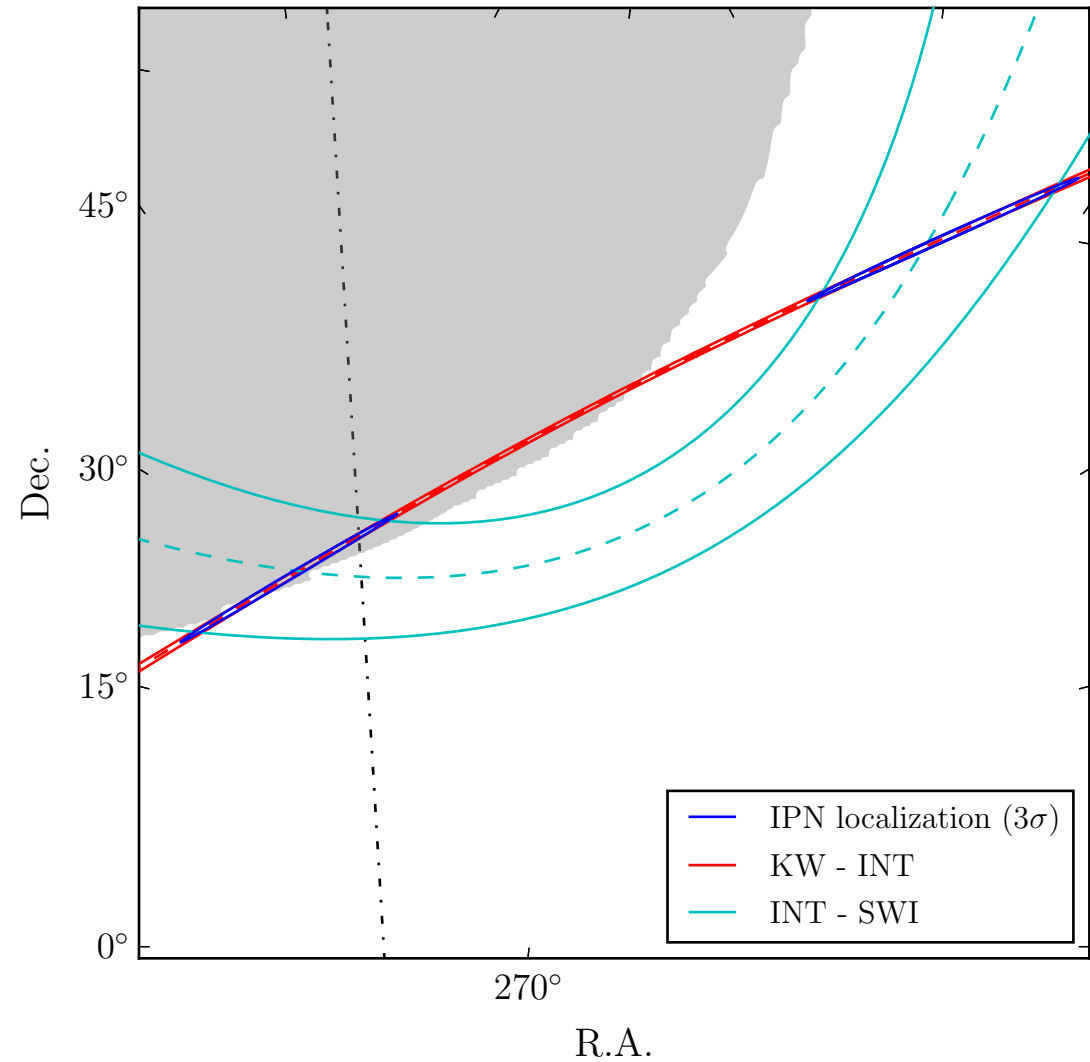
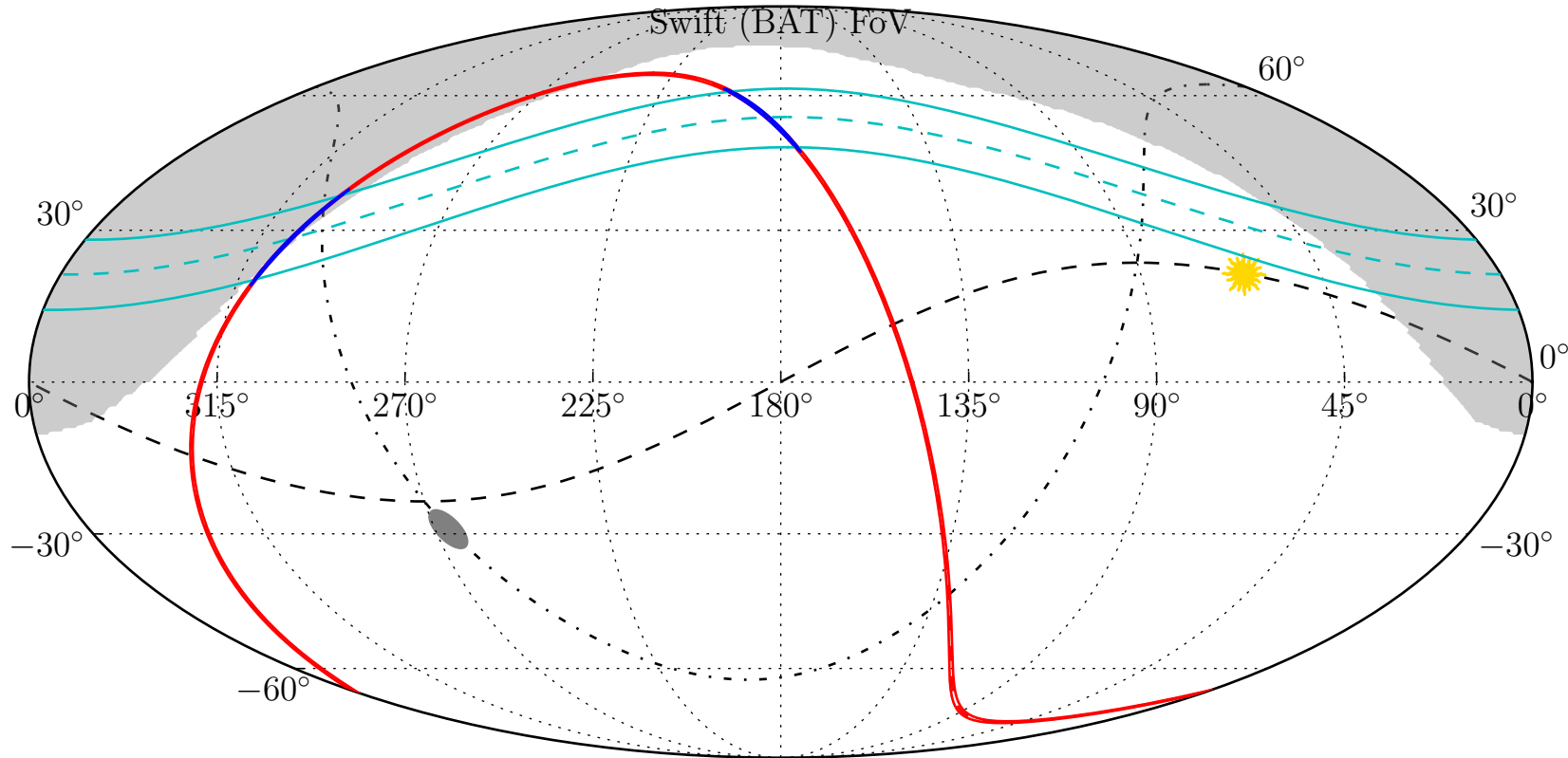
GRB20110526\_T61739 (2011-05-26  $T_0=61739.032$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	51.7922	24.1892	58.9397	0.2630
FER - INT	151.7986	-55.3801	61.3763	2.6283

GRB20110527\_T74944 (2011-05-27  $T_0=74944.795$  s, UT)

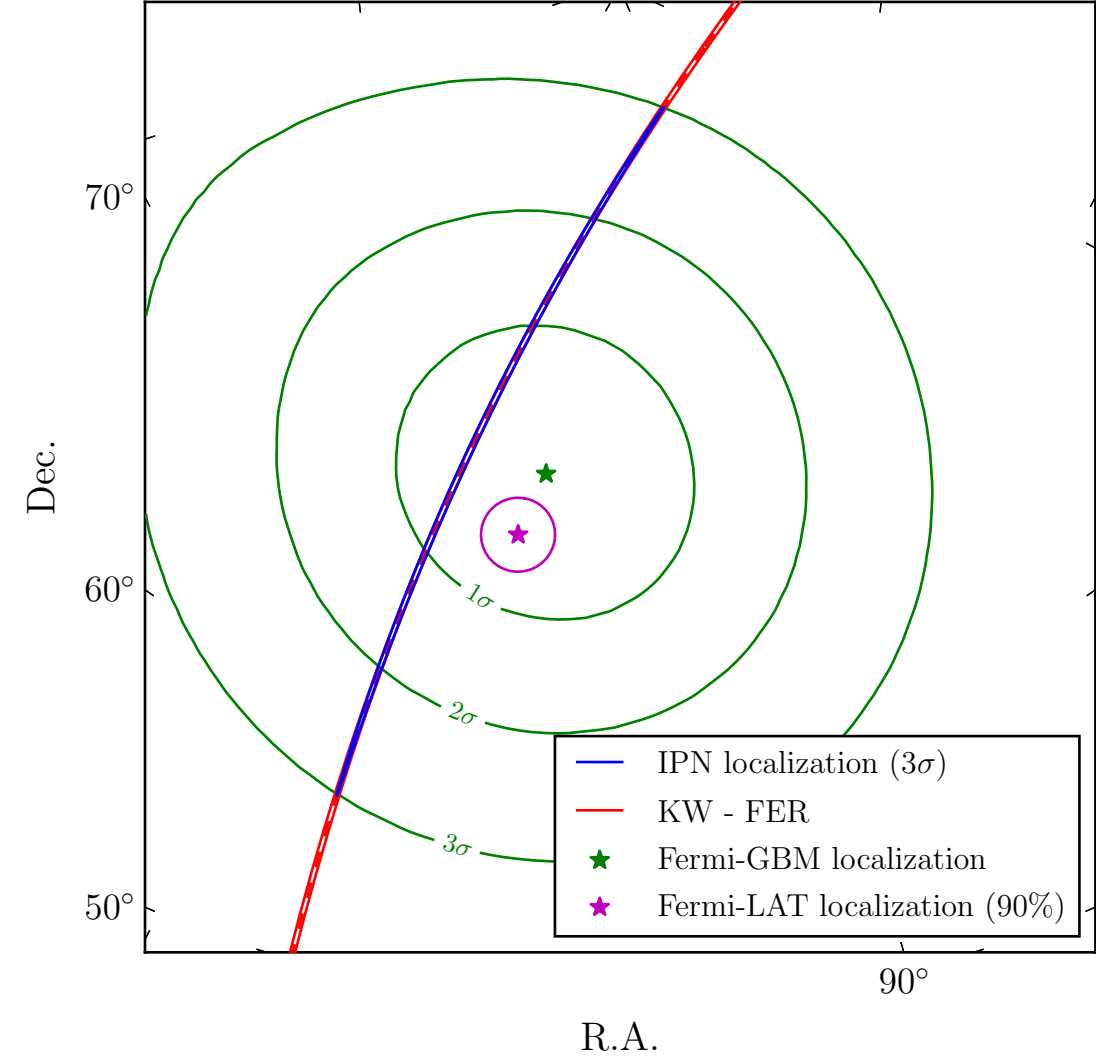
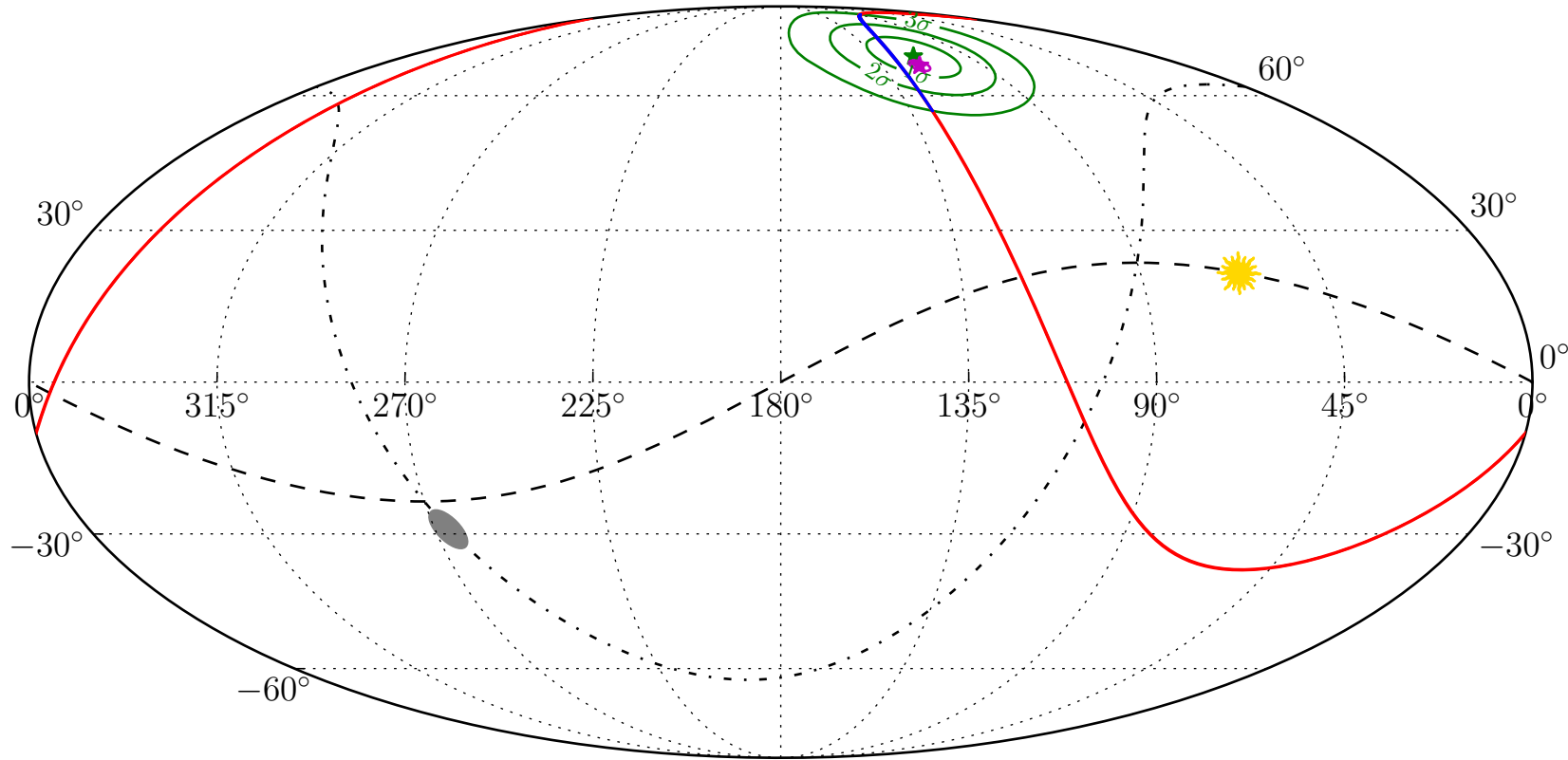


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	233.6731	-19.6939	85.3838	0.2804
INT - SWI	357.8674	73.1451	52.0755	7.0063



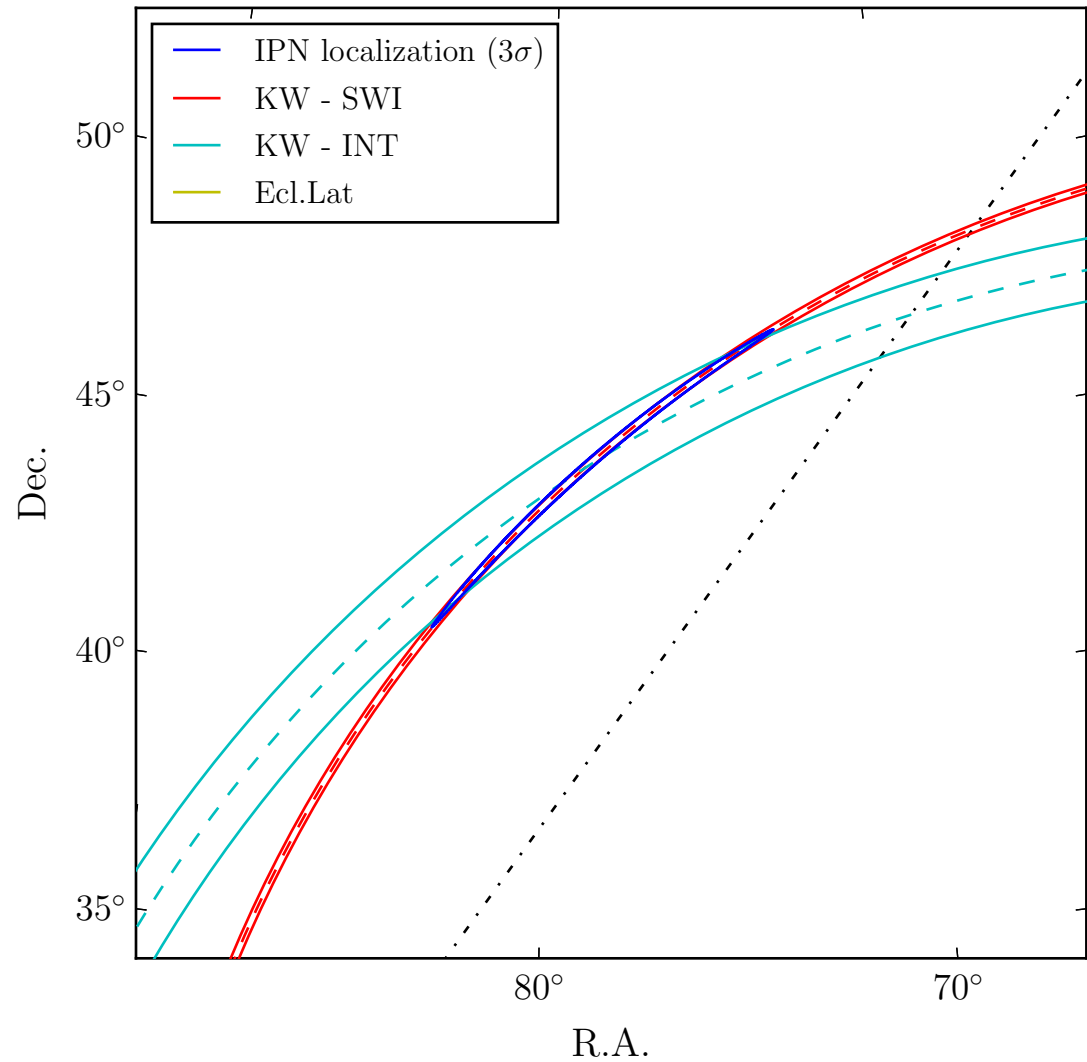
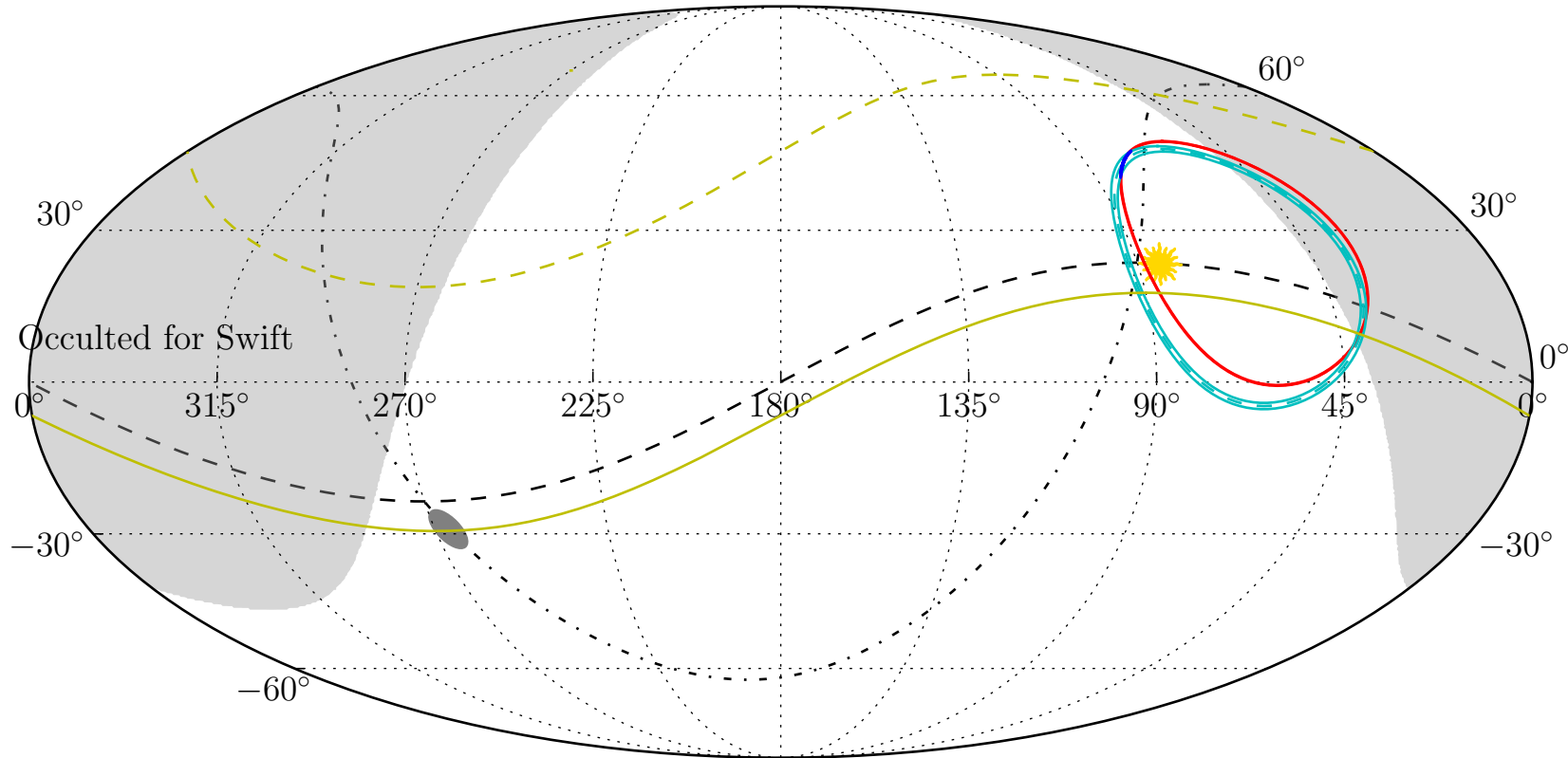
# GRB110529A (2011-05-29 T<sub>0</sub>=2920.249 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	52.6895	24.2292	61.7217	0.0930

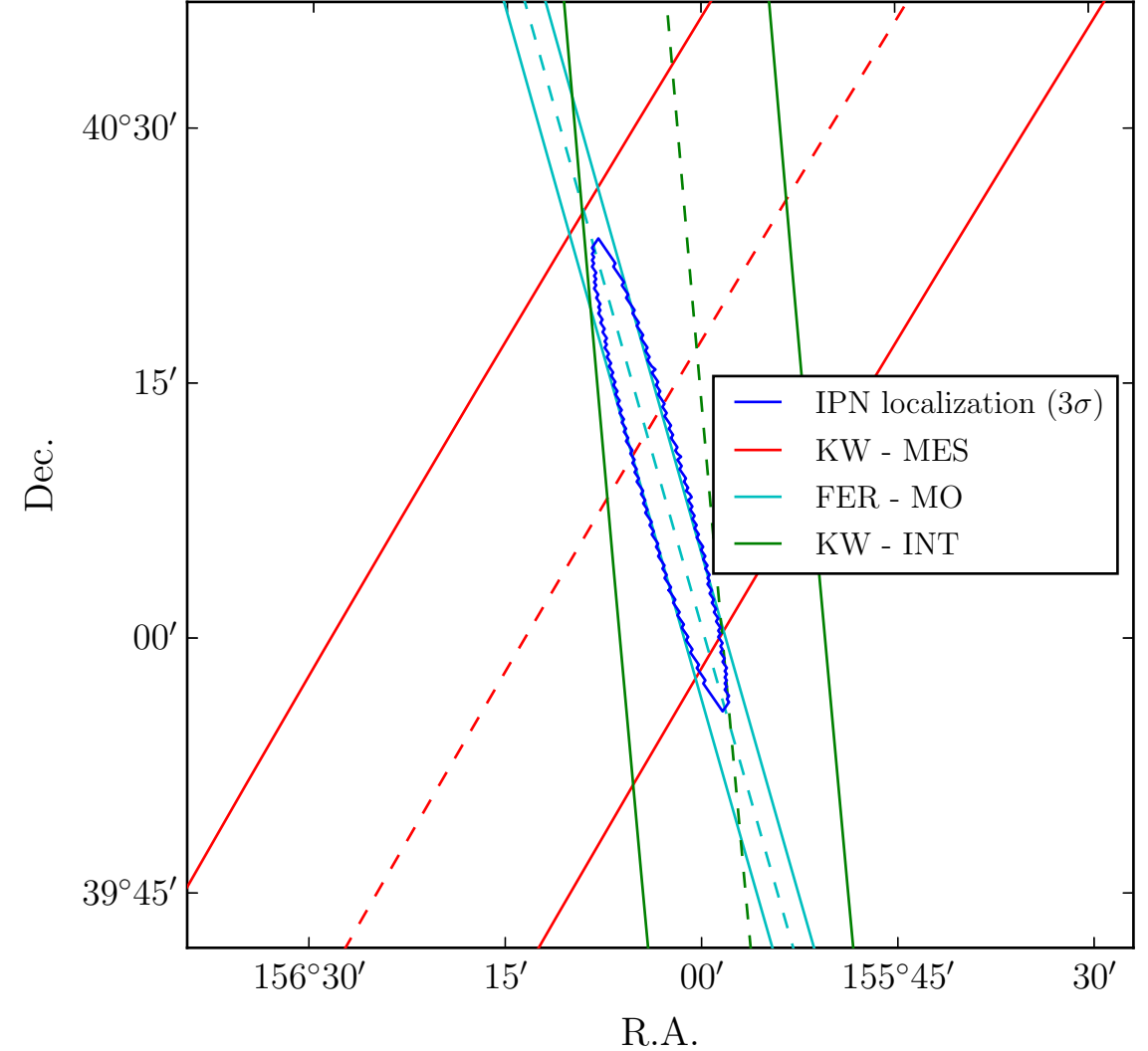
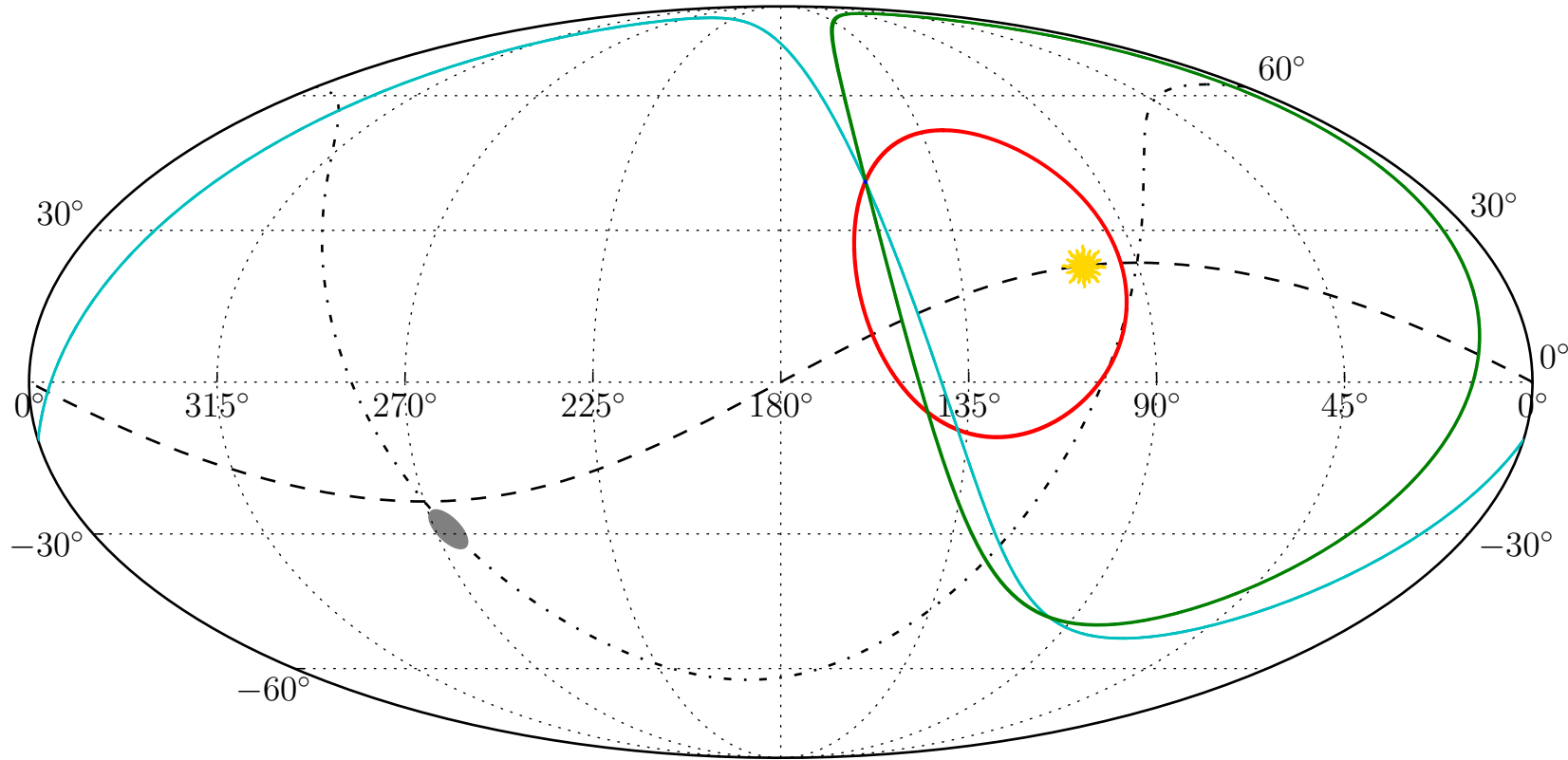
GRB20110616\_T36572 (2011-06-16  $T_0=36572.045$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	61.0242	24.2123	24.8720	0.0749
KW - INT	64.0831	21.3727	26.0379	0.6103
Ecl.Lat	270.0000	66.5610	48.0000	48.0000

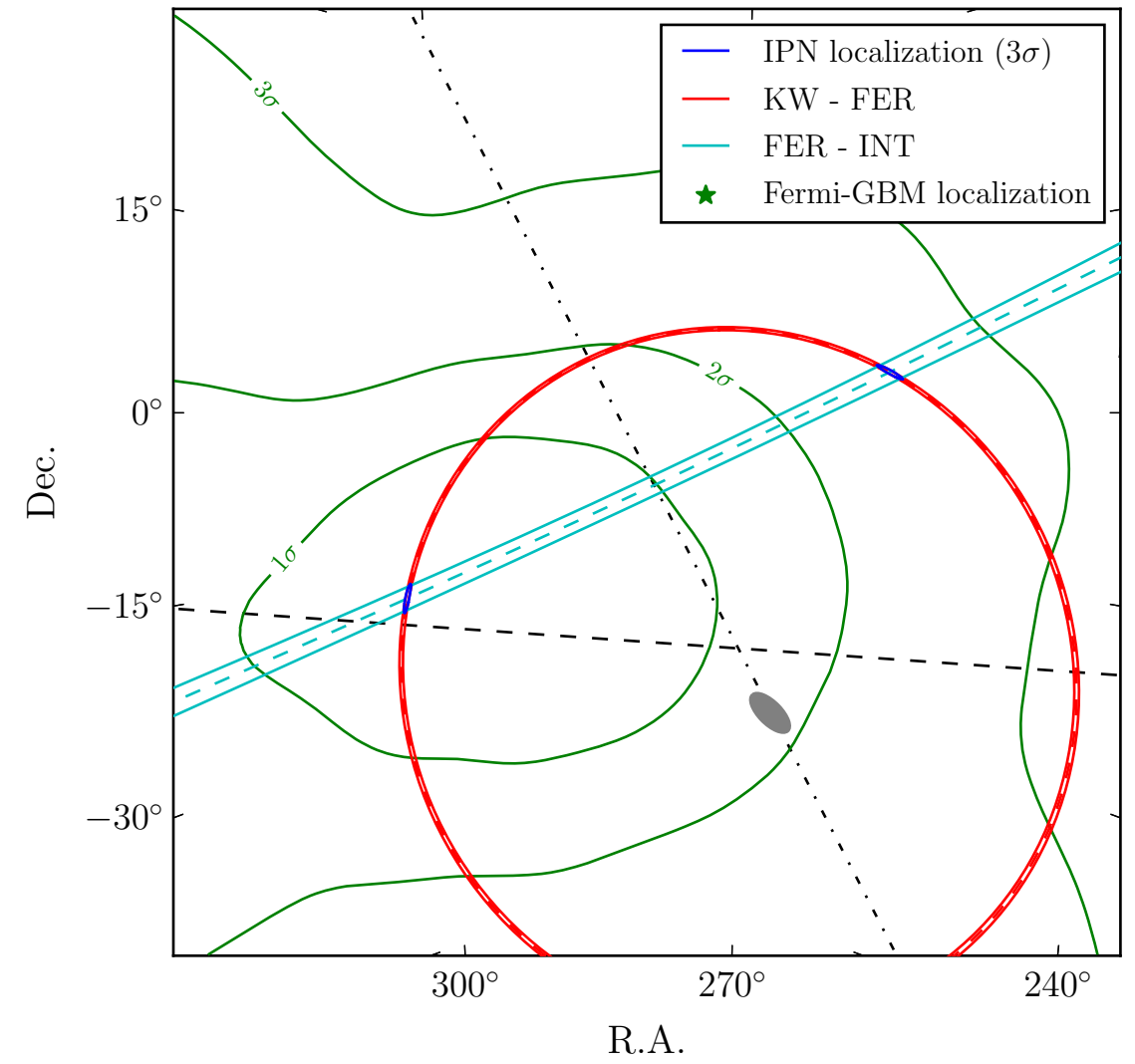
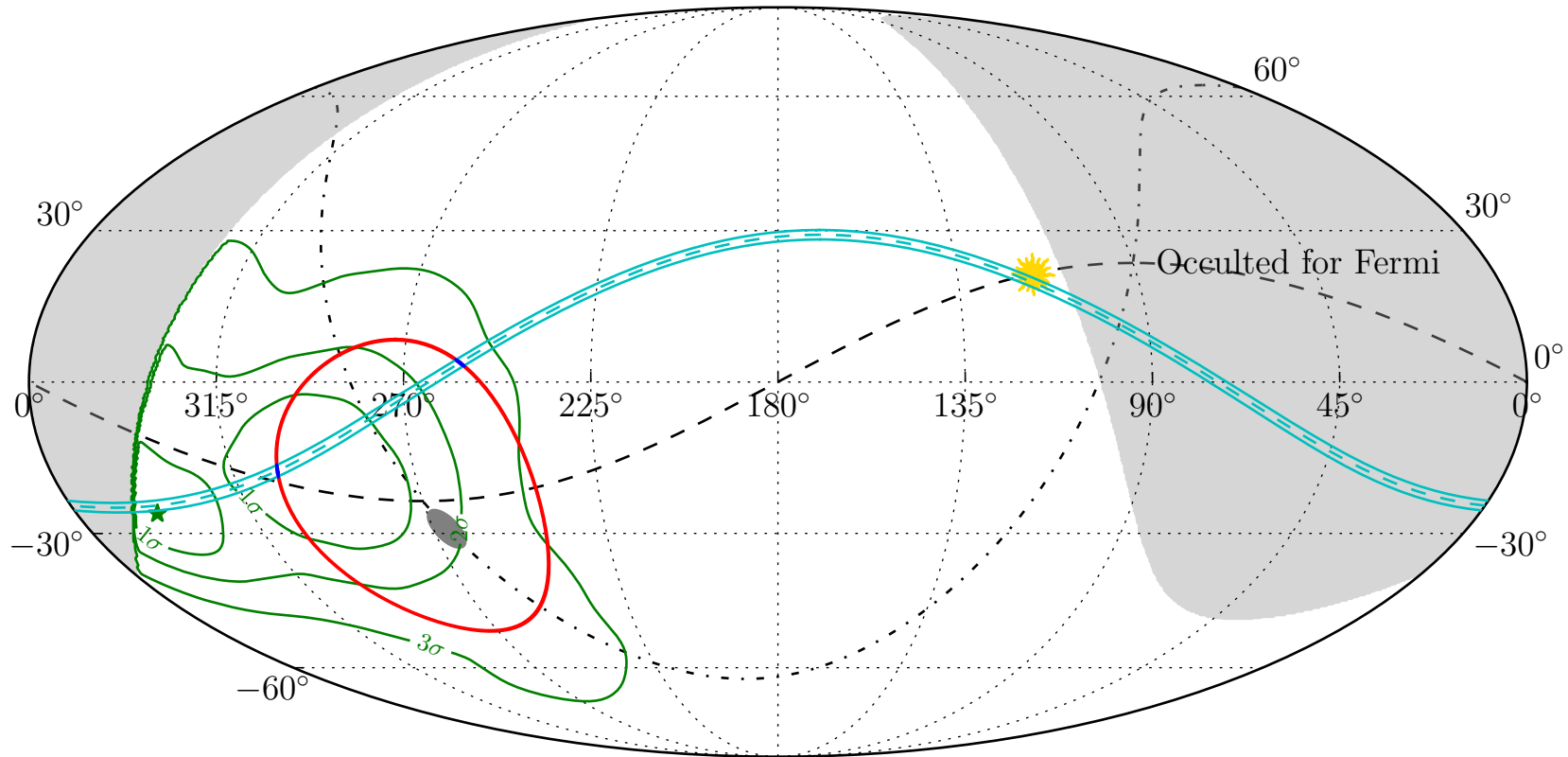
# GRB110705A (2011-07-05 $T_0=13029.942$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	127.6978	20.4783	31.1986	0.1642
FER - MO	68.1331	21.8779	74.5711	0.0196
KW - INT	80.5743	17.9583	67.5490	0.1001

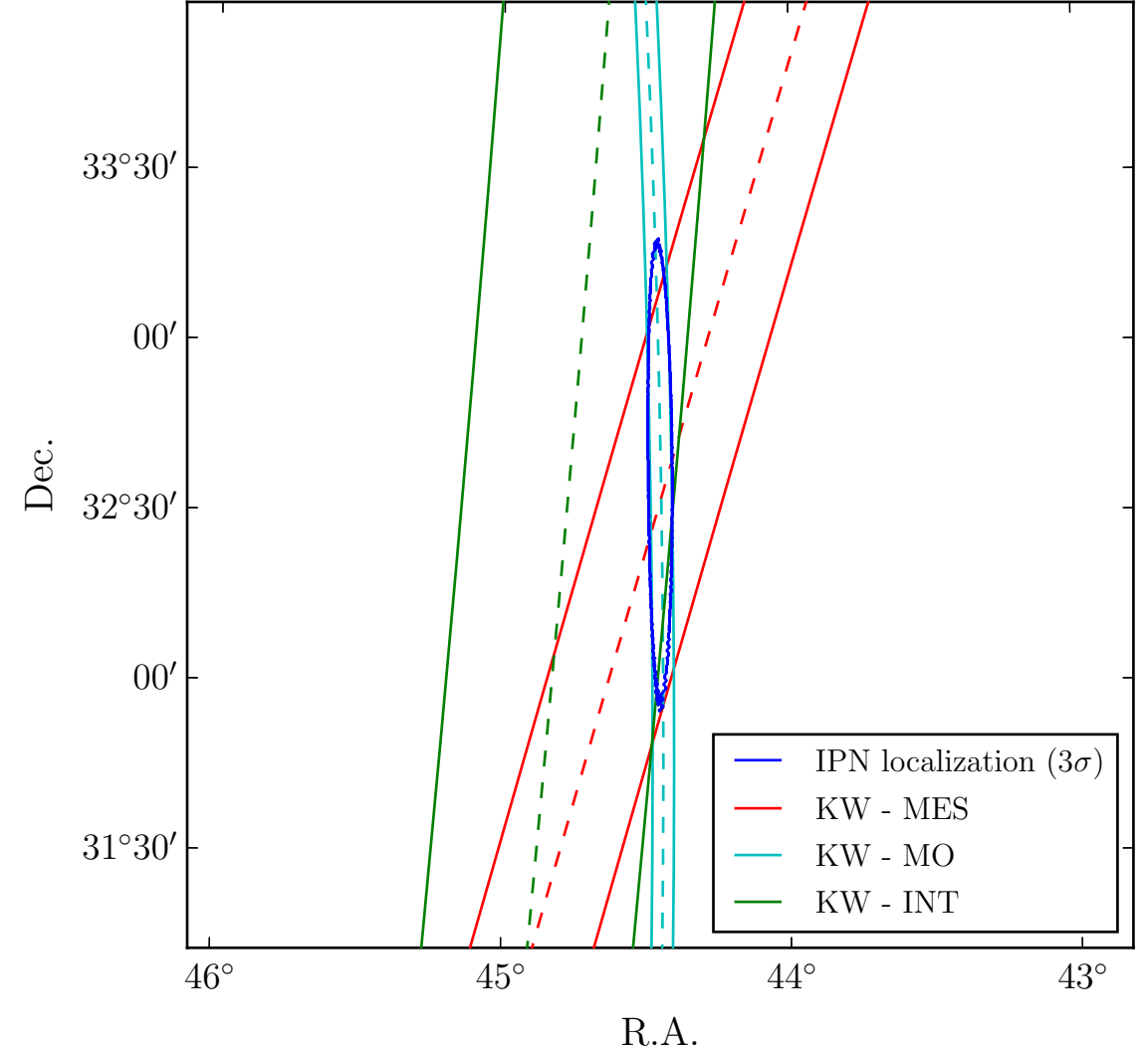
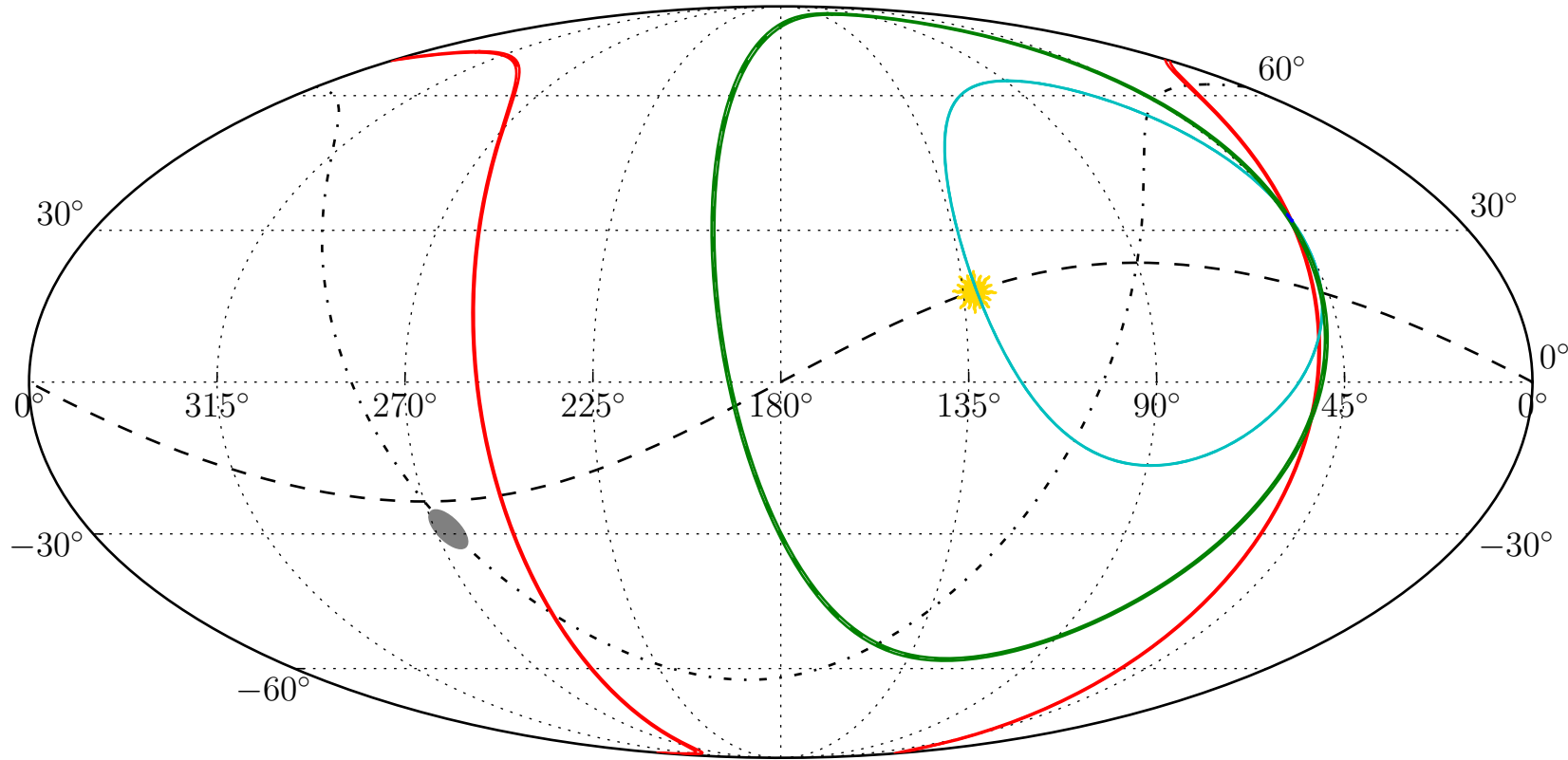
GRB20110717\_T15594 (2011-07-17 T<sub>0</sub>=15594.850 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	272.5664	-21.4401	29.6960	0.1450
FER - INT	349.0717	63.0314	87.8037	0.9708

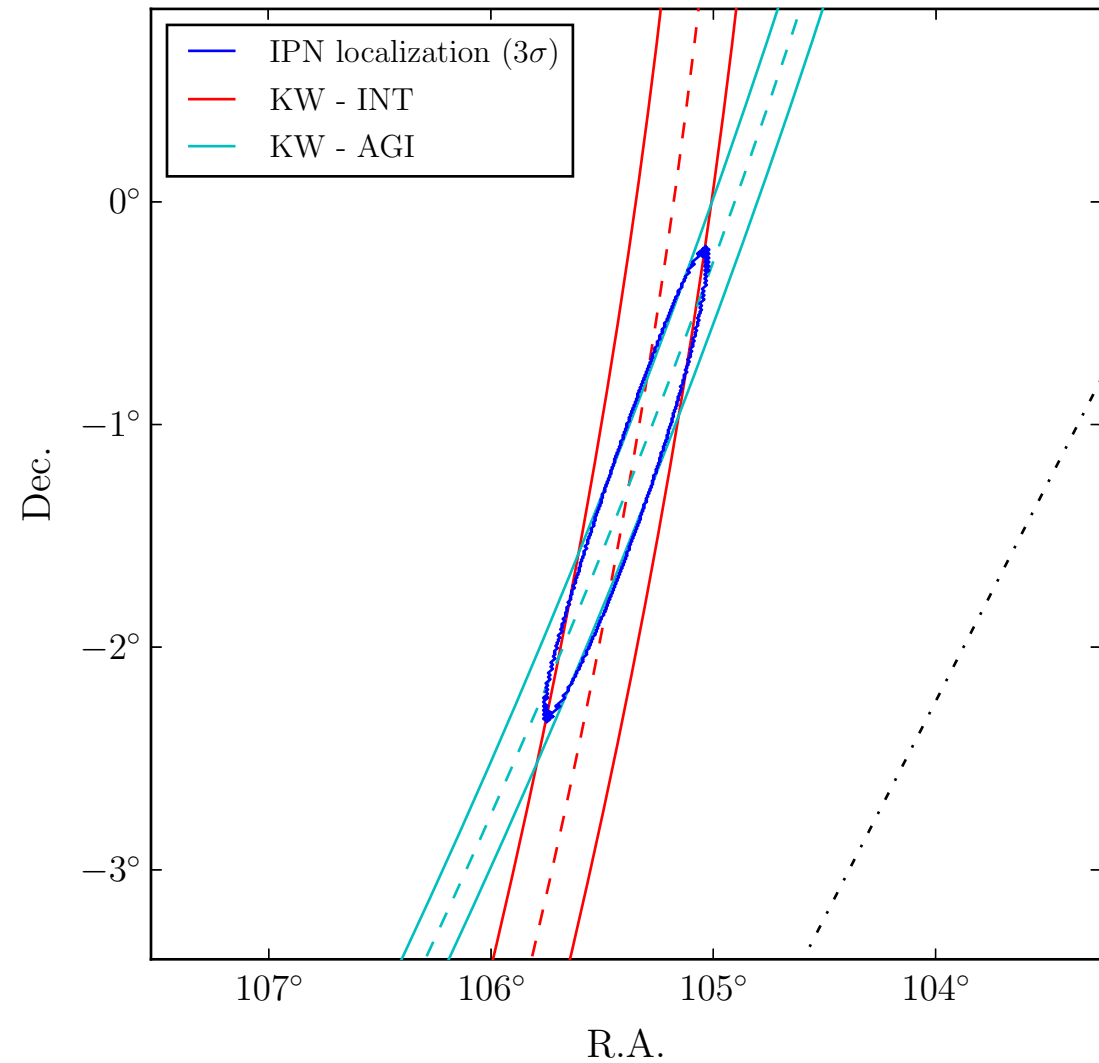
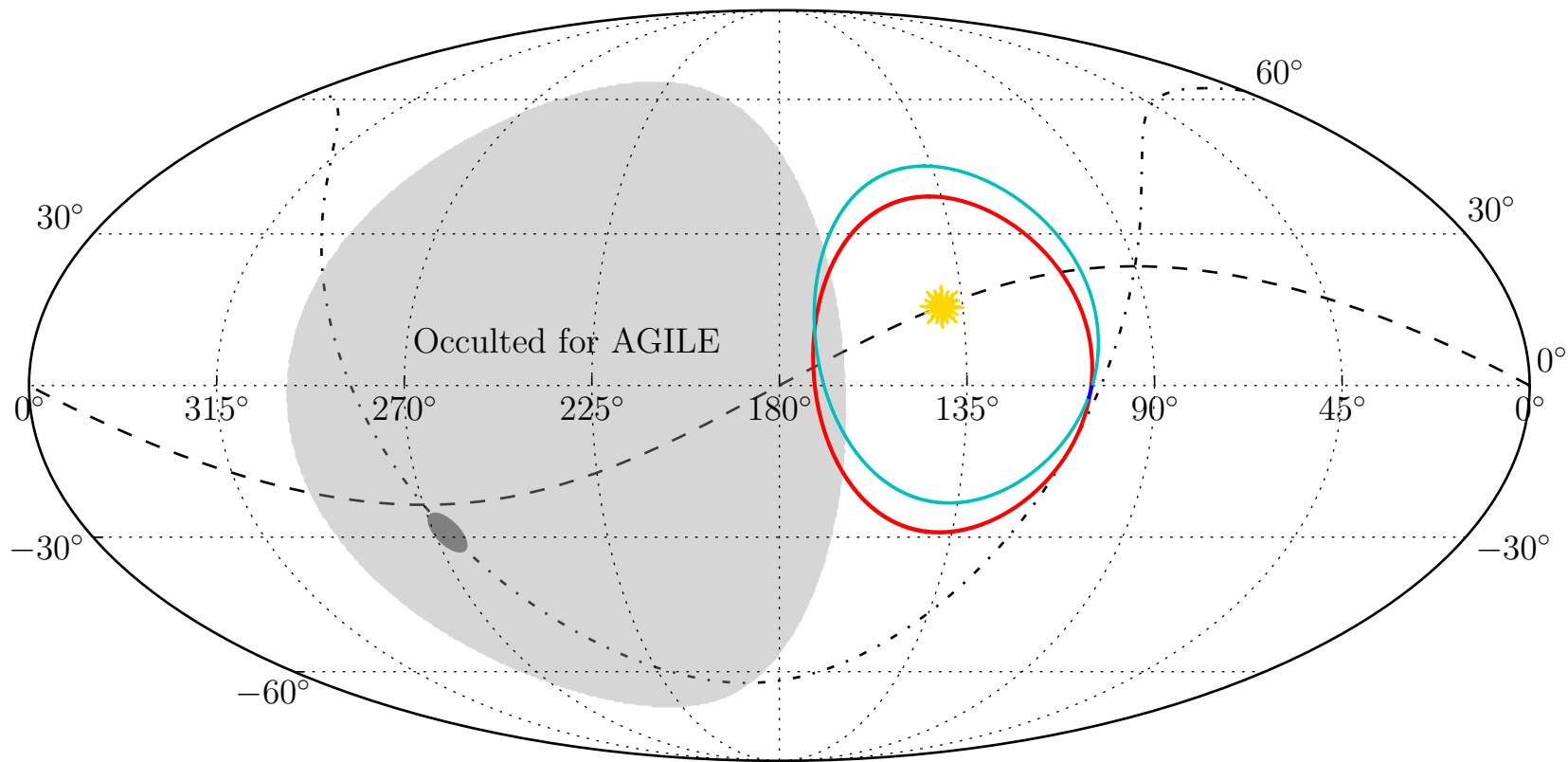
# GRB110802A (2011-08-02 $T_0=55156.191$ s, UT)



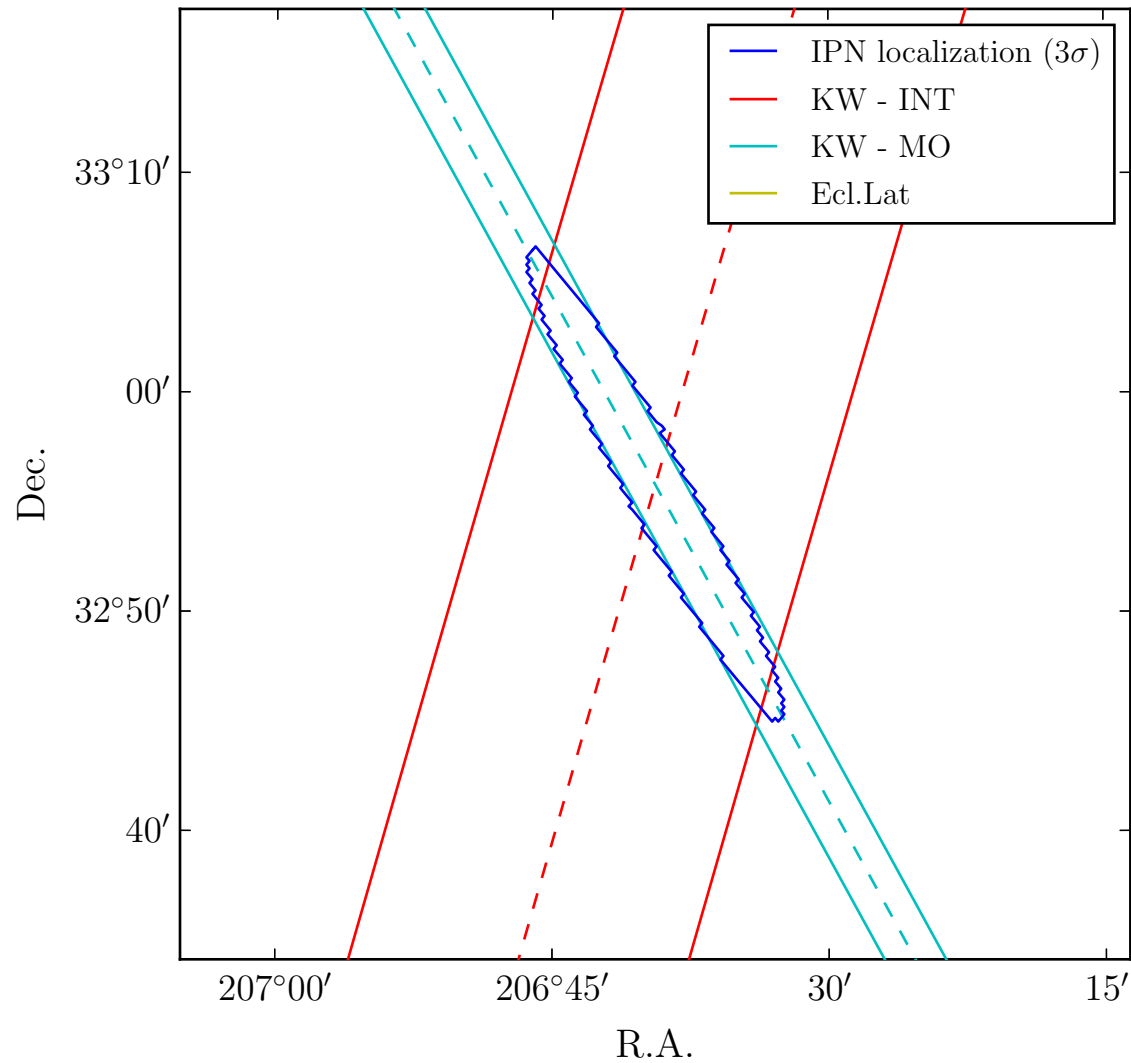
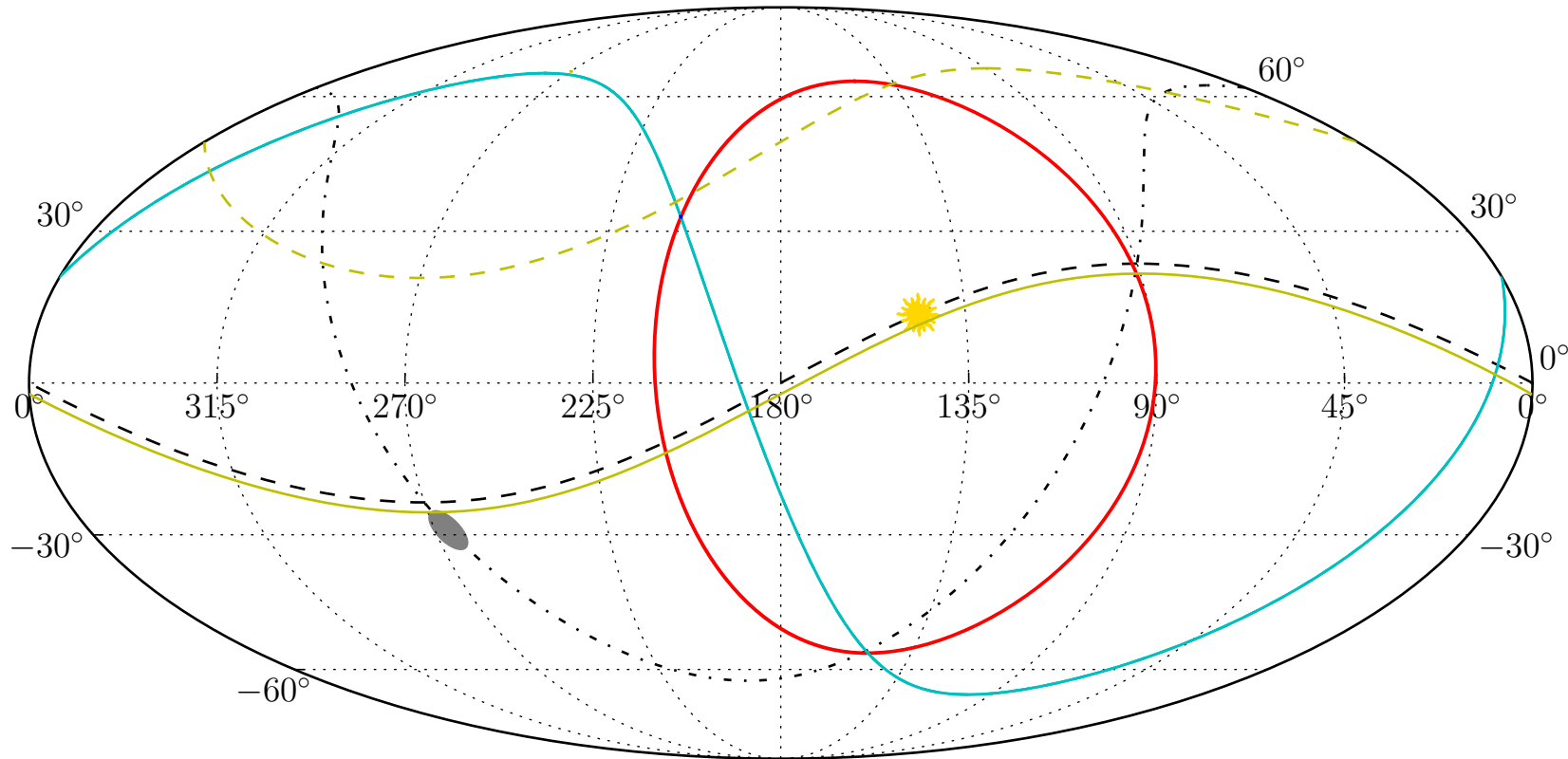
Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	332.1446	-7.5930	79.4586	0.1750
KW - MO	89.1259	23.7707	40.0580	0.0316
KW - INT	121.3976	13.7380	71.5086	0.3097

GRB20110810\_T76626 (2011-08-10  $T_0=76626.053$  s, UT)



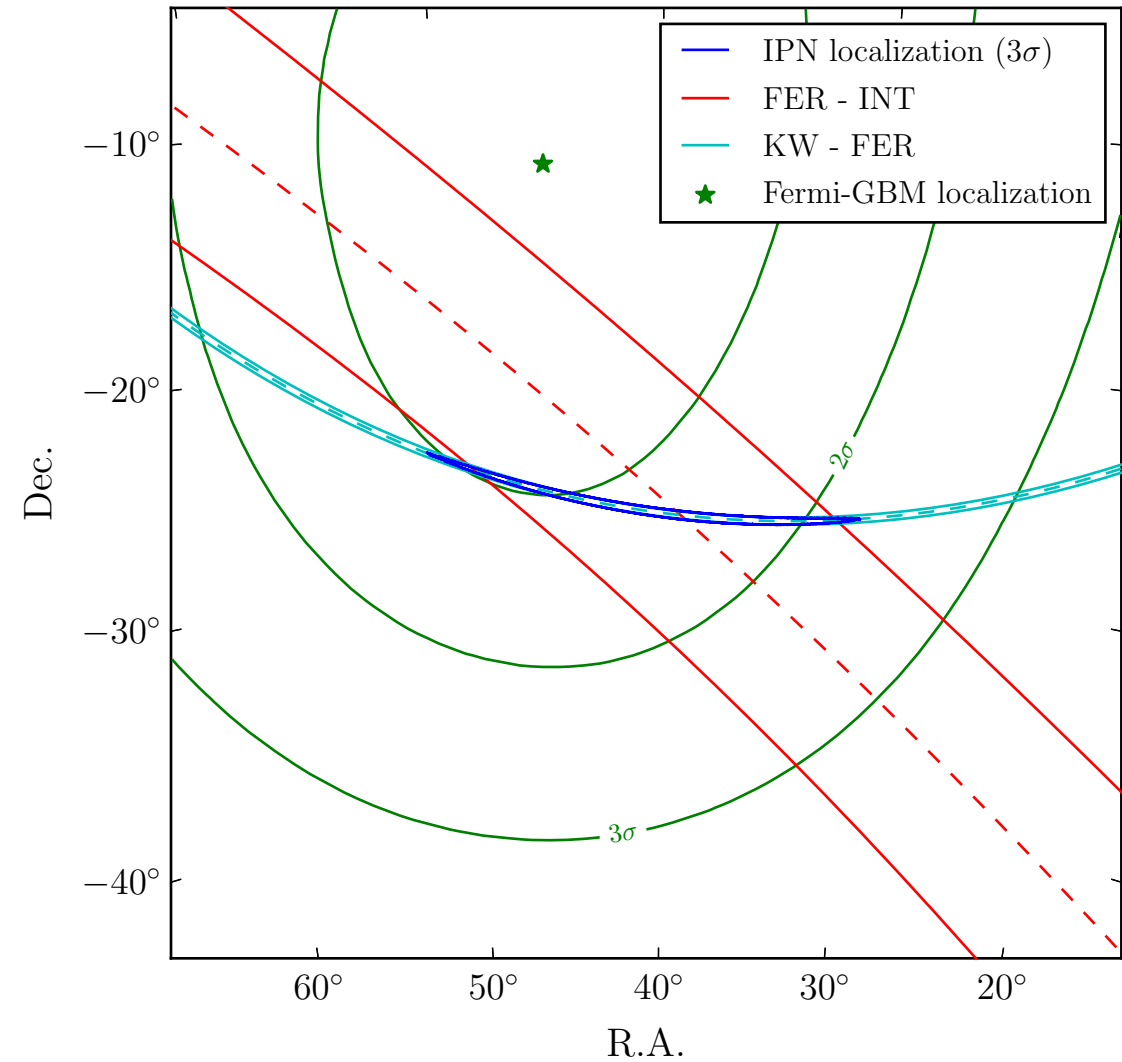
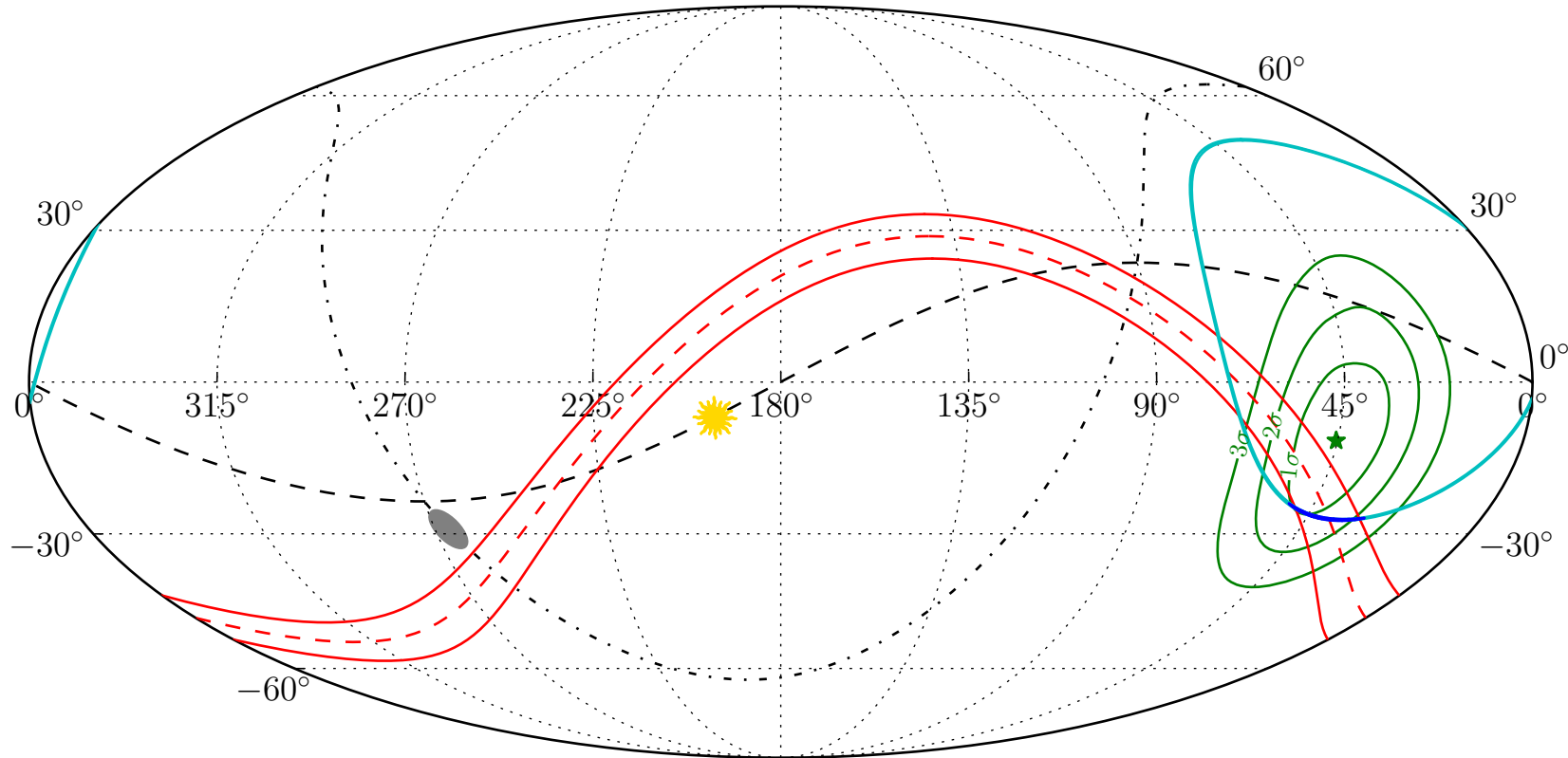
# GRB20110817\_T47100 (2011-08-17 T<sub>0</sub>=47100.900 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	150.1946	3.9887	59.9728	0.1246
KW - MO	279.8584	-23.6610	89.7700	0.0205
Ecl.Lat	270.0000	66.5610	46.0000	46.0000

# GRB20111011\_T08114 (2011-10-11 T<sub>0</sub>=8114.204 s, UT)

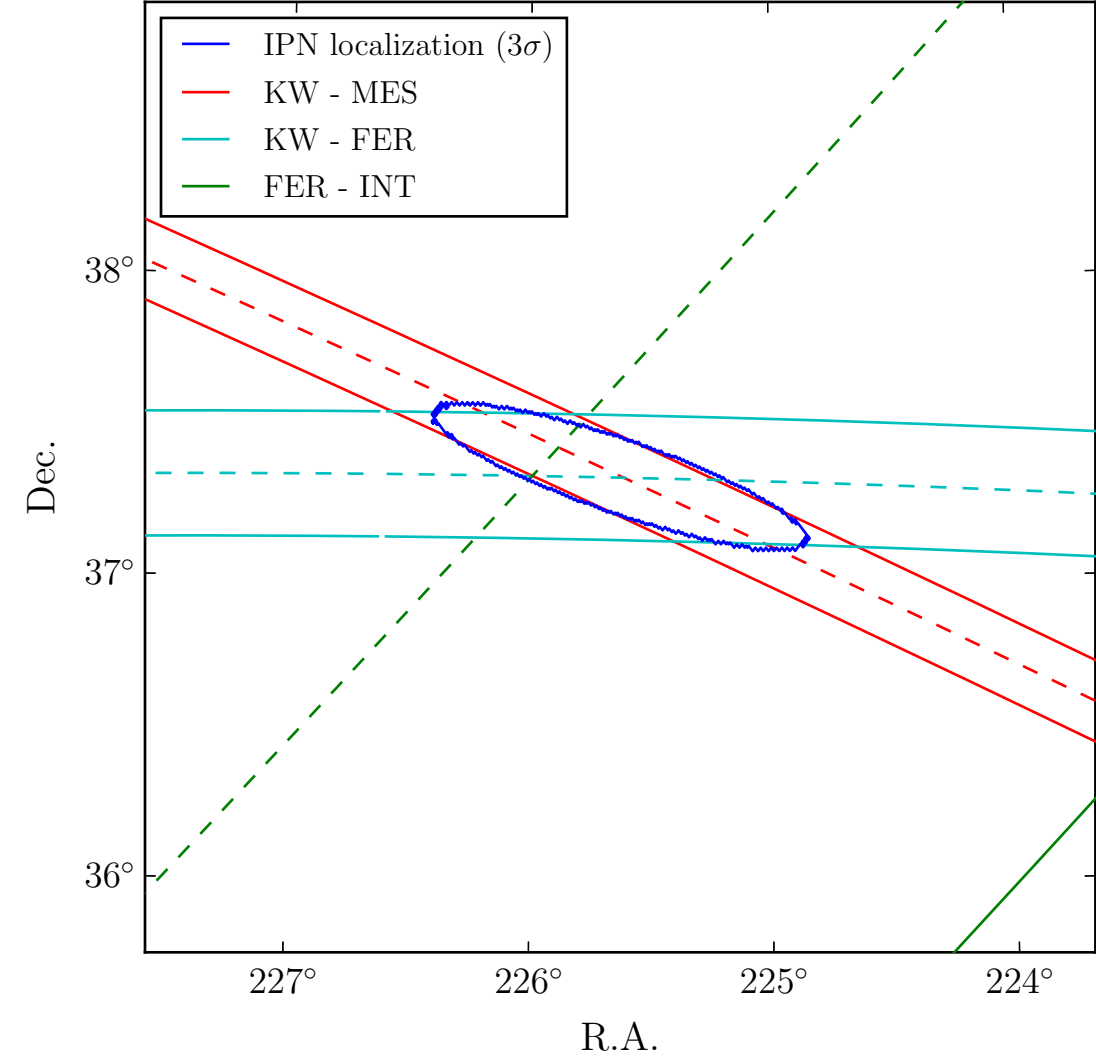
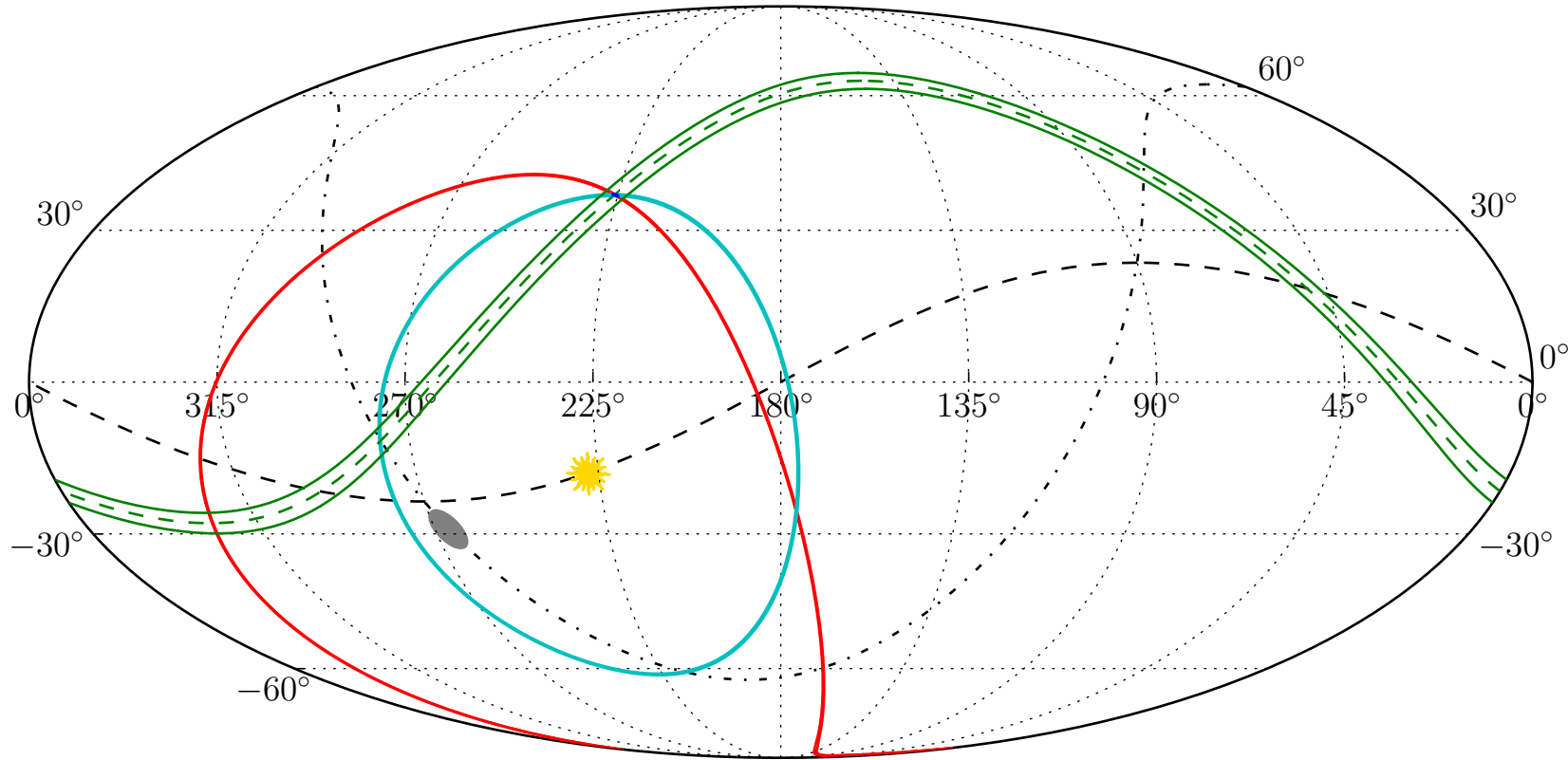


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - INT	141.5347	-48.8163	77.6114	4.5345
KW - FER	35.5409	11.1526	38.3157	0.1619



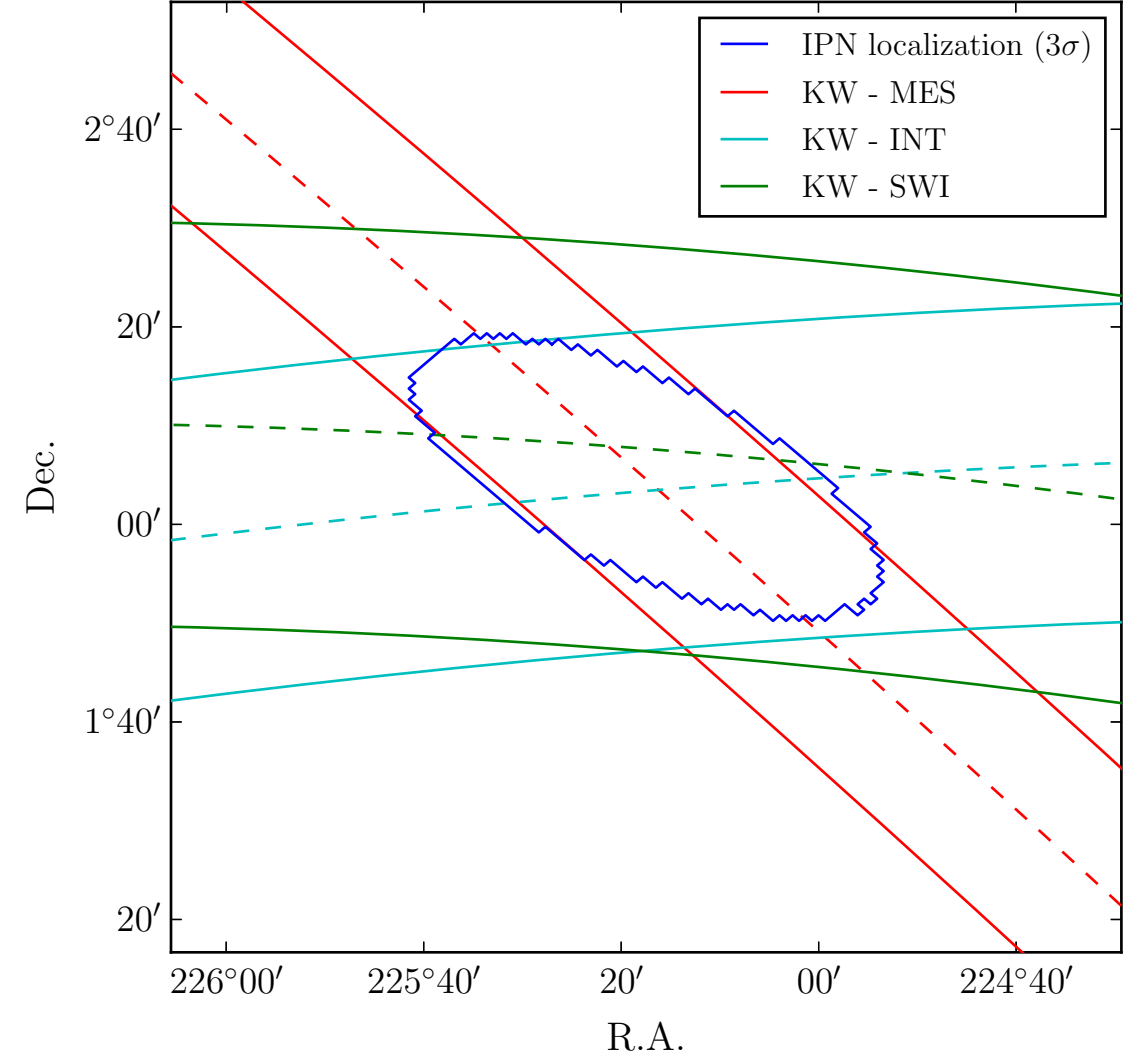
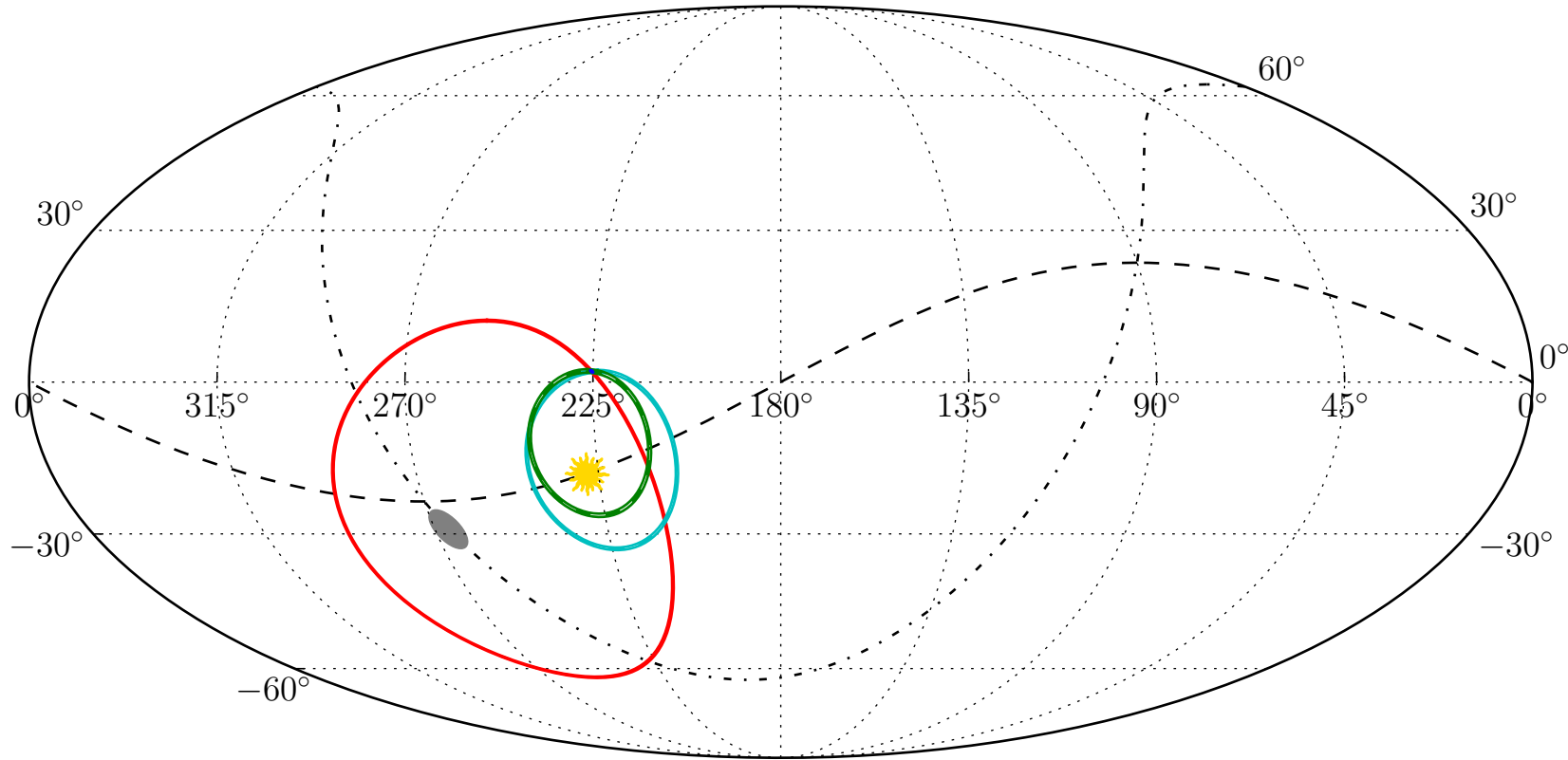
GRB20111112\_T78464 (2011-11-12  $T_0=78464.628$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	250.9563	-25.0798	66.8086	0.1213
KW - FER	226.5973	-12.0803	49.4203	0.2067
FER - INT	327.4936	44.1804	72.0023	2.0924

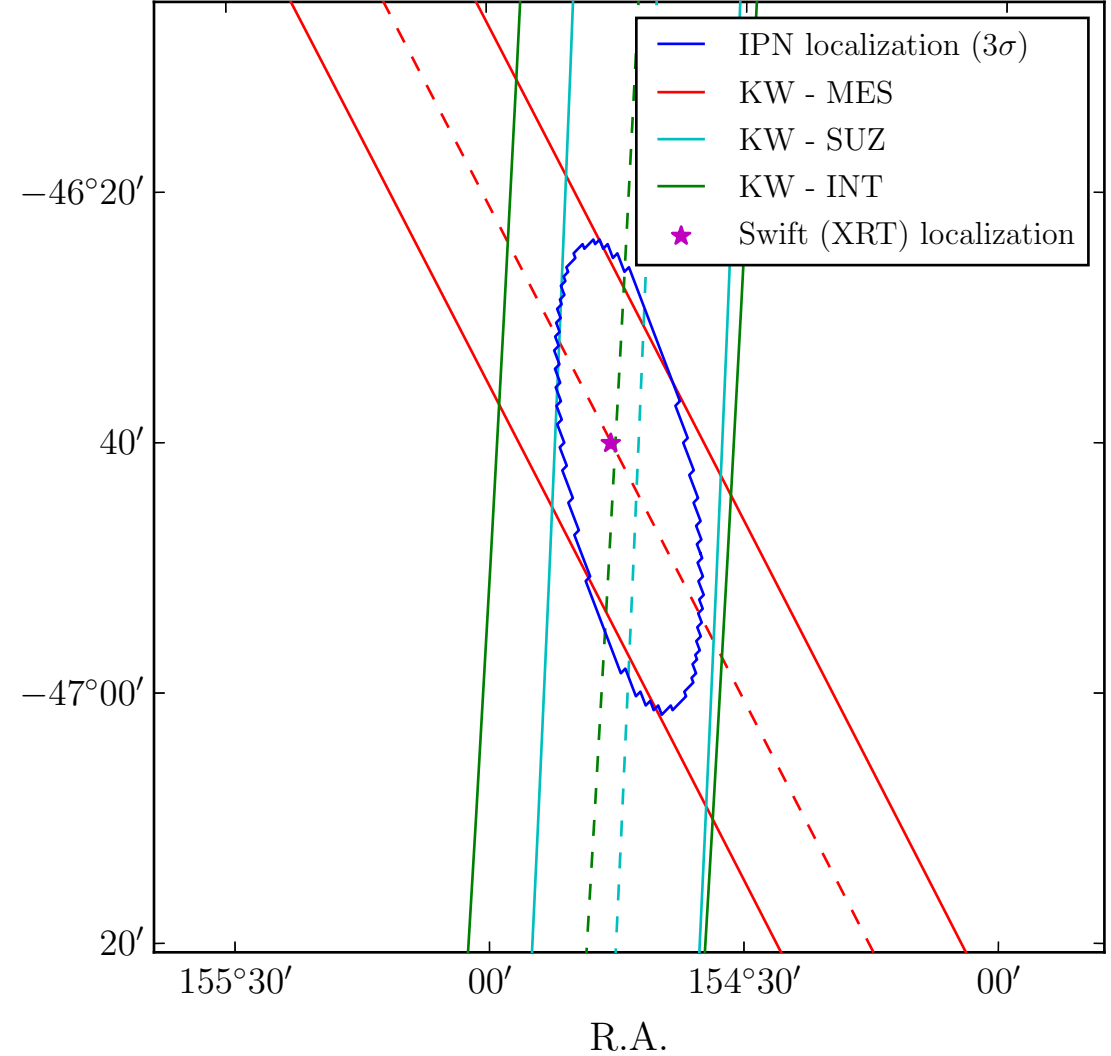
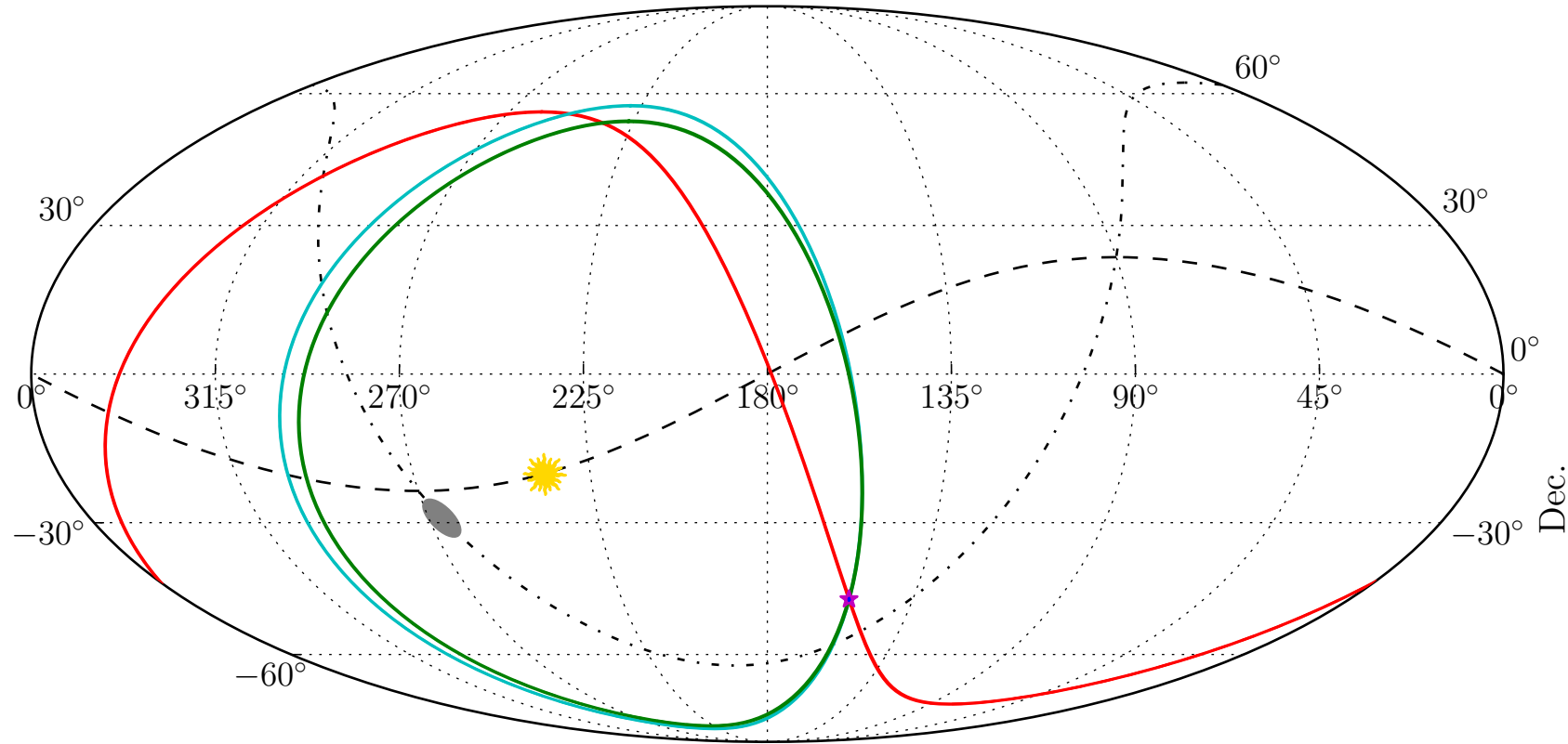
# GRB111113A (2011-11-13 T<sub>0</sub>=18613.625 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	251.3205	-25.1289	37.0982	0.1710
KW - INT	223.8344	-15.4842	17.6000	0.2686
KW - SWI	226.4135	-12.0245	14.1962	0.3407

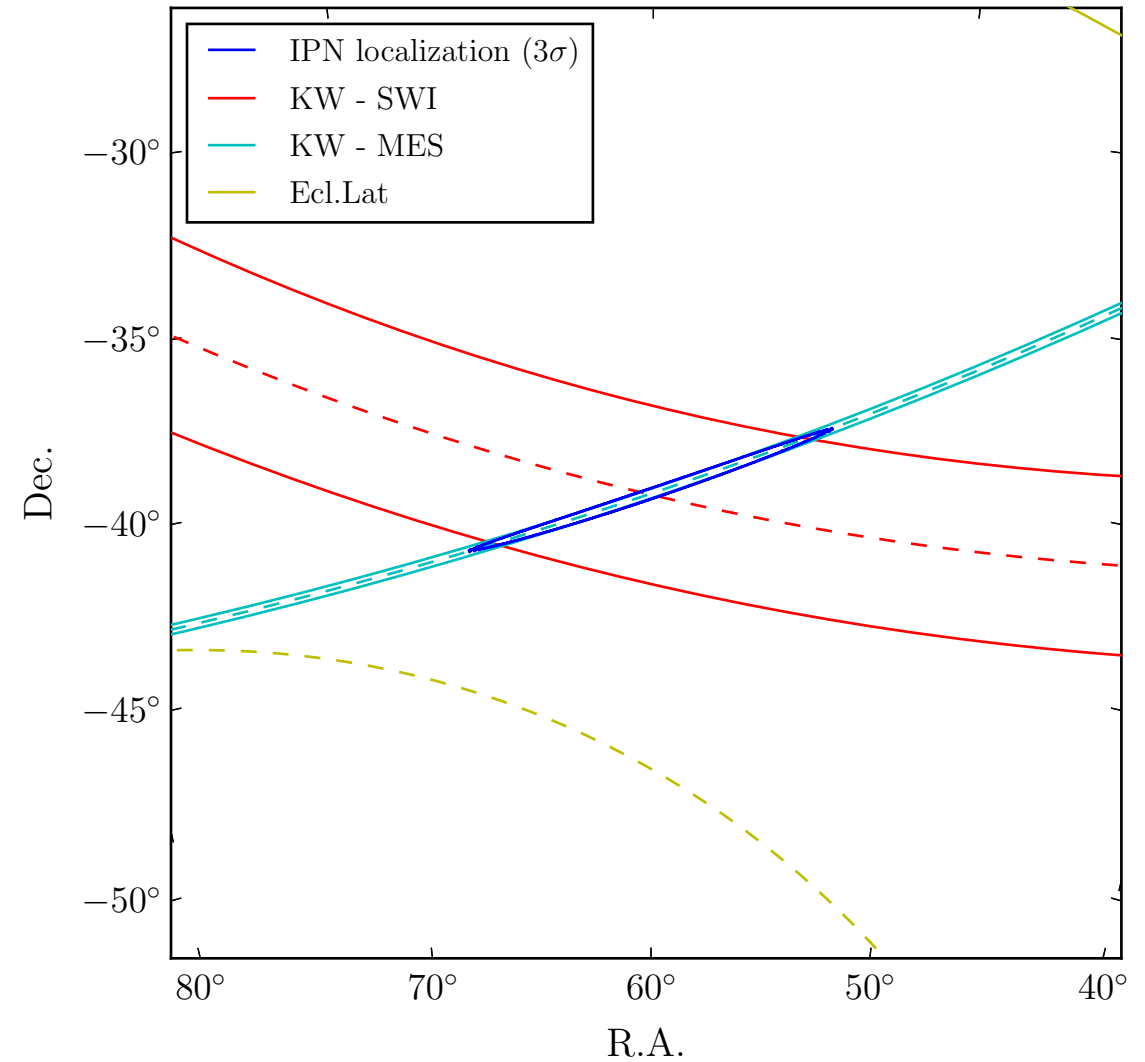
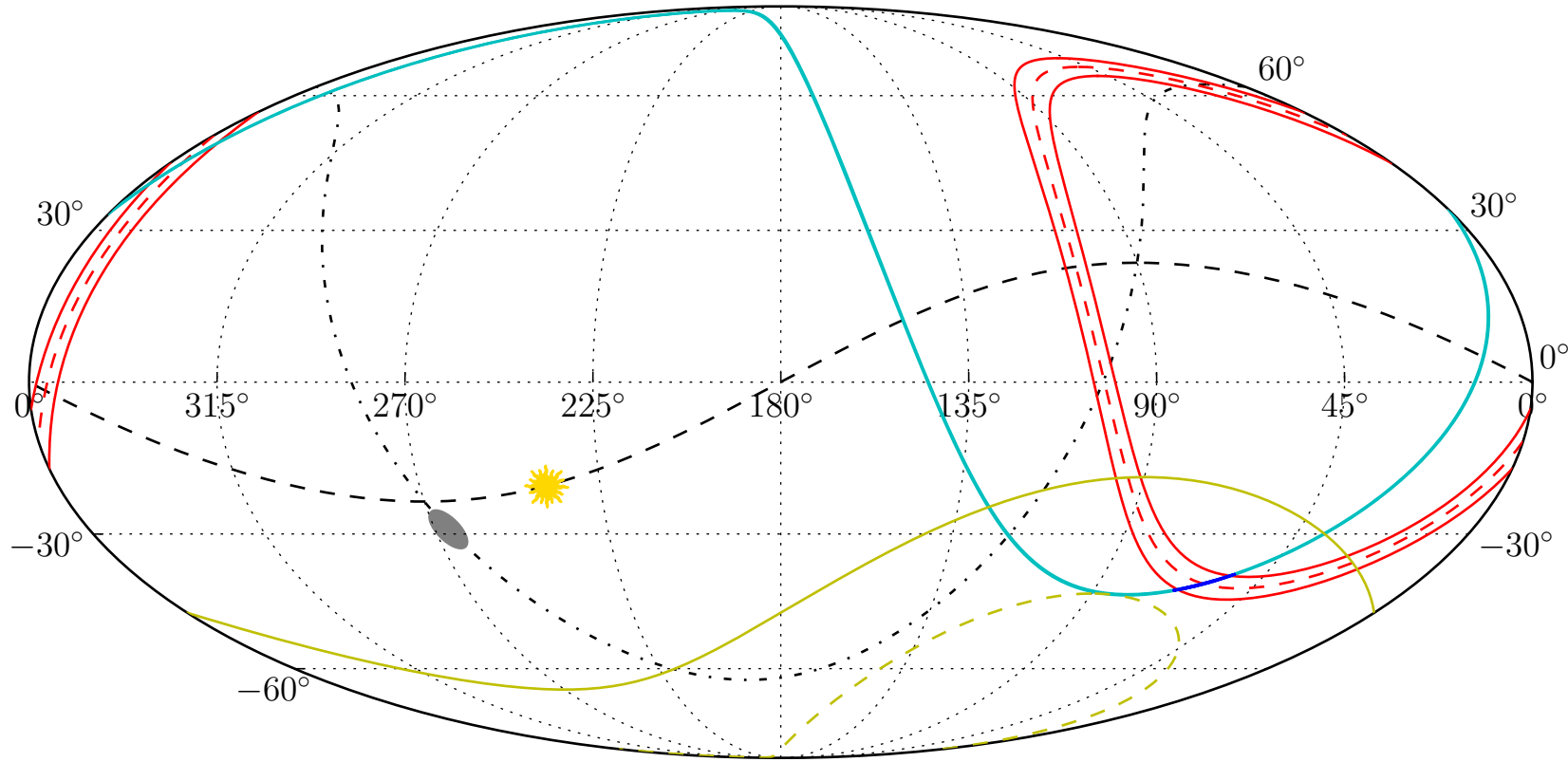
# GRB111121A (2011-11-21 T<sub>0</sub>=59182.640 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	258.7276	-25.2988	80.7287	0.1095
KW - SUZ	228.9089	-12.8933	69.8536	0.1113
KW - INT	226.6712	-14.2060	67.3582	0.1574

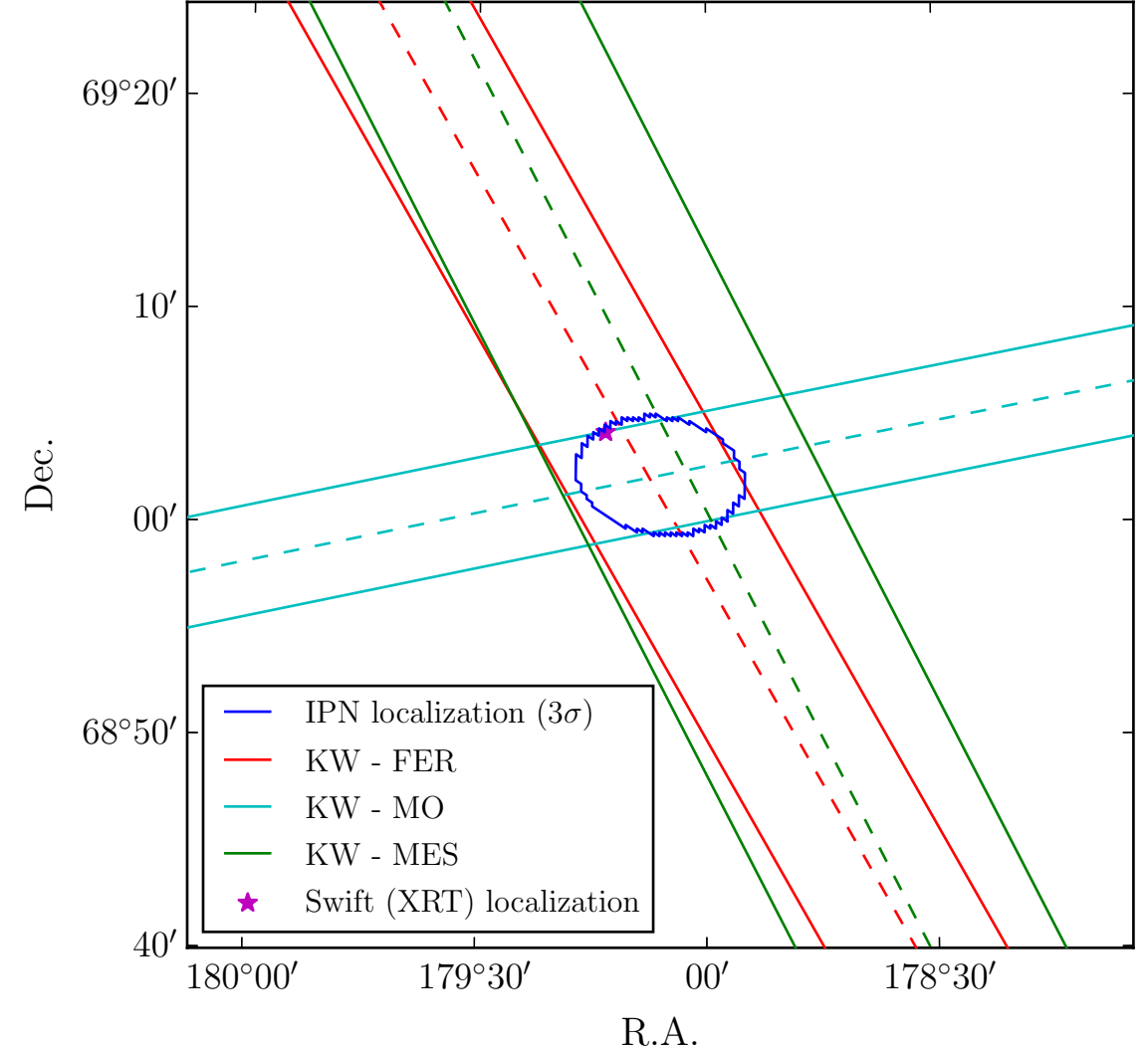
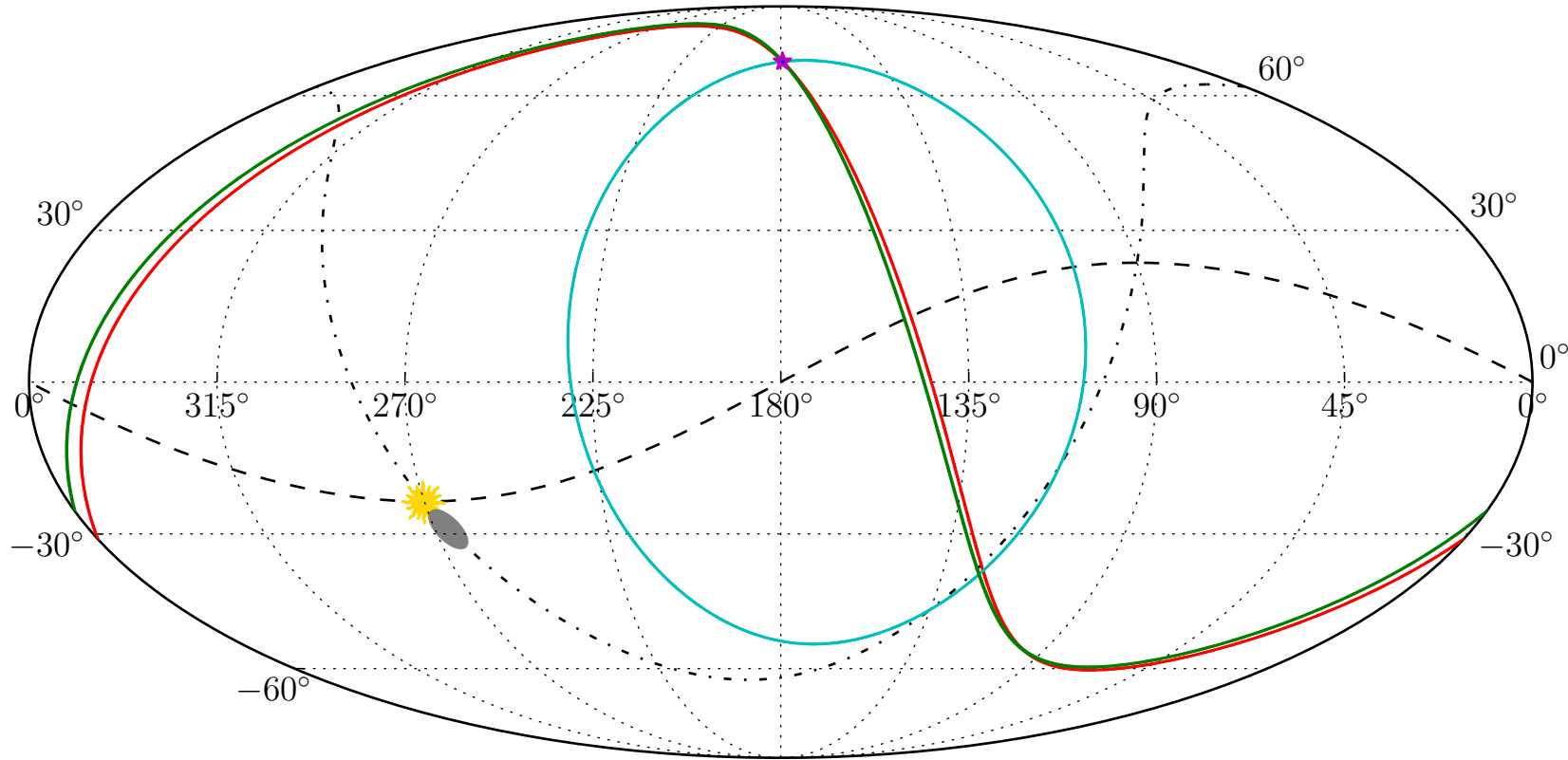
# GRB20111123\_T33275 (2011-11-23 T<sub>0</sub>=33275.073 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	49.0484	13.0625	54.5060	2.4601
KW - MES	79.2565	25.0603	67.9040	0.1279
Ecl.Lat	270.0000	66.5610	156.0000	24.0000

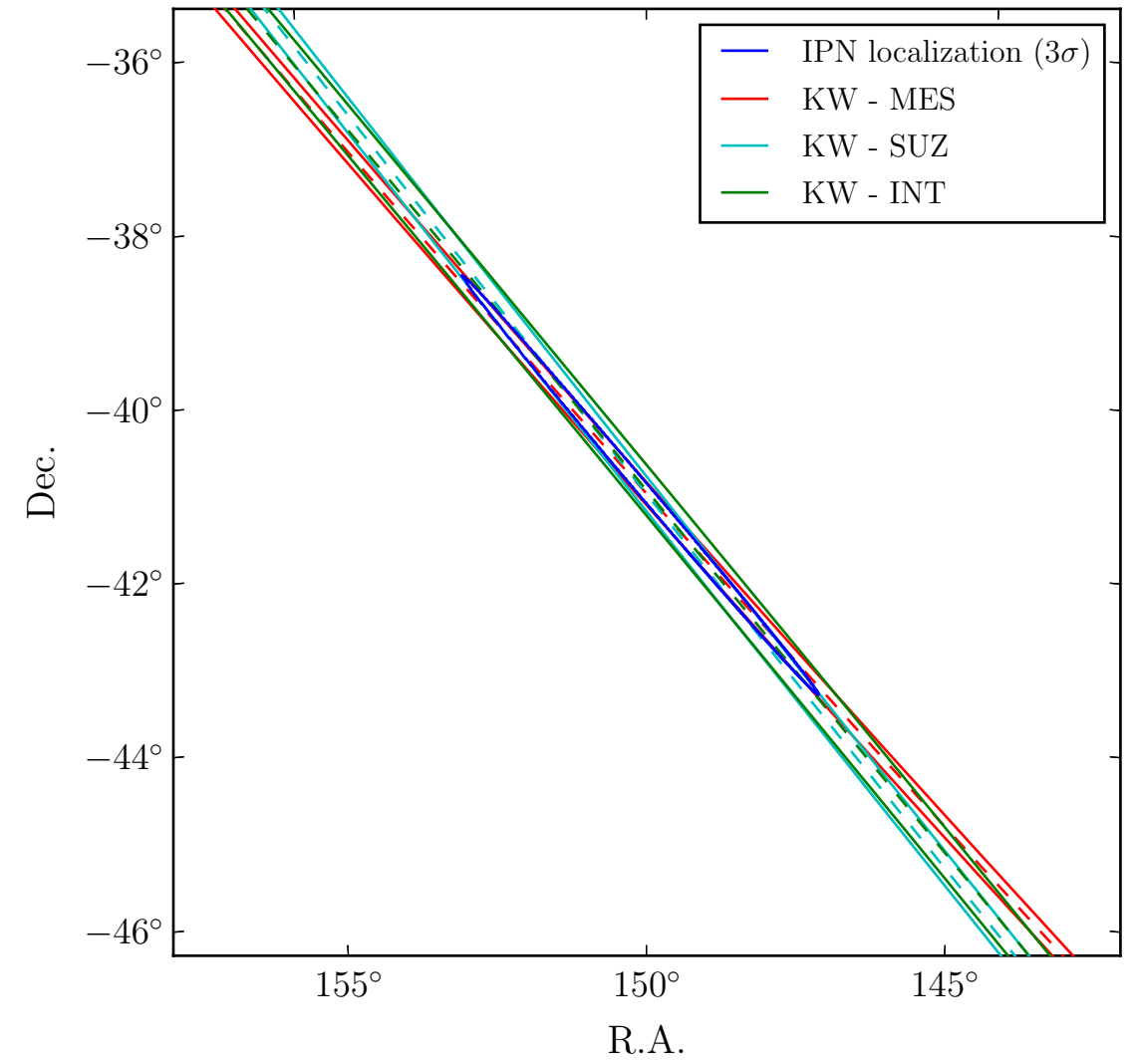
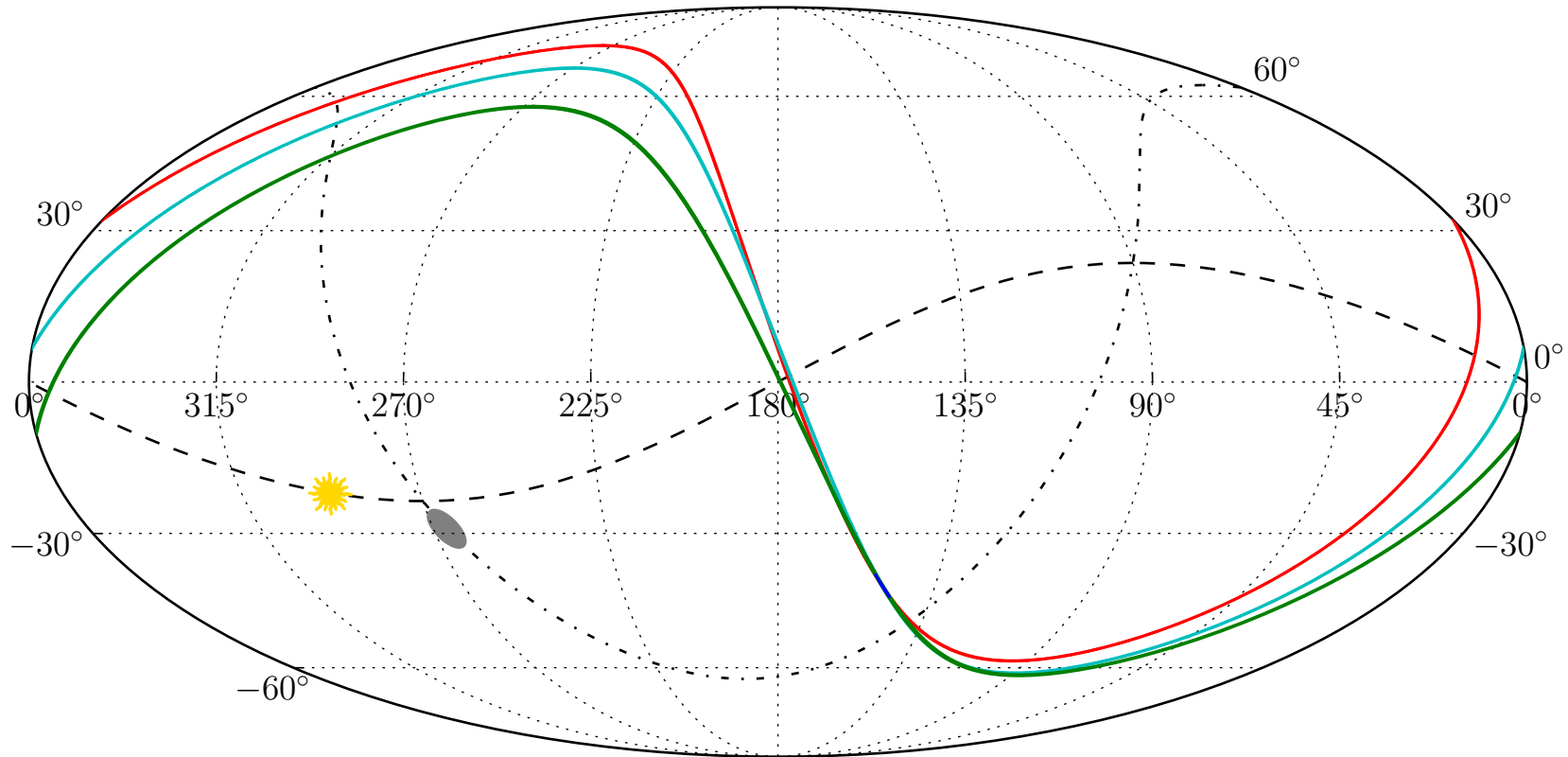
# GRB111222A (2011-12-22 $T_0=53515.918$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	64.5357	19.6236	80.0157	0.0621
KW - MO	168.9157	7.6779	61.7236	0.0423
KW - MES	67.1552	19.5653	79.2183	0.0942

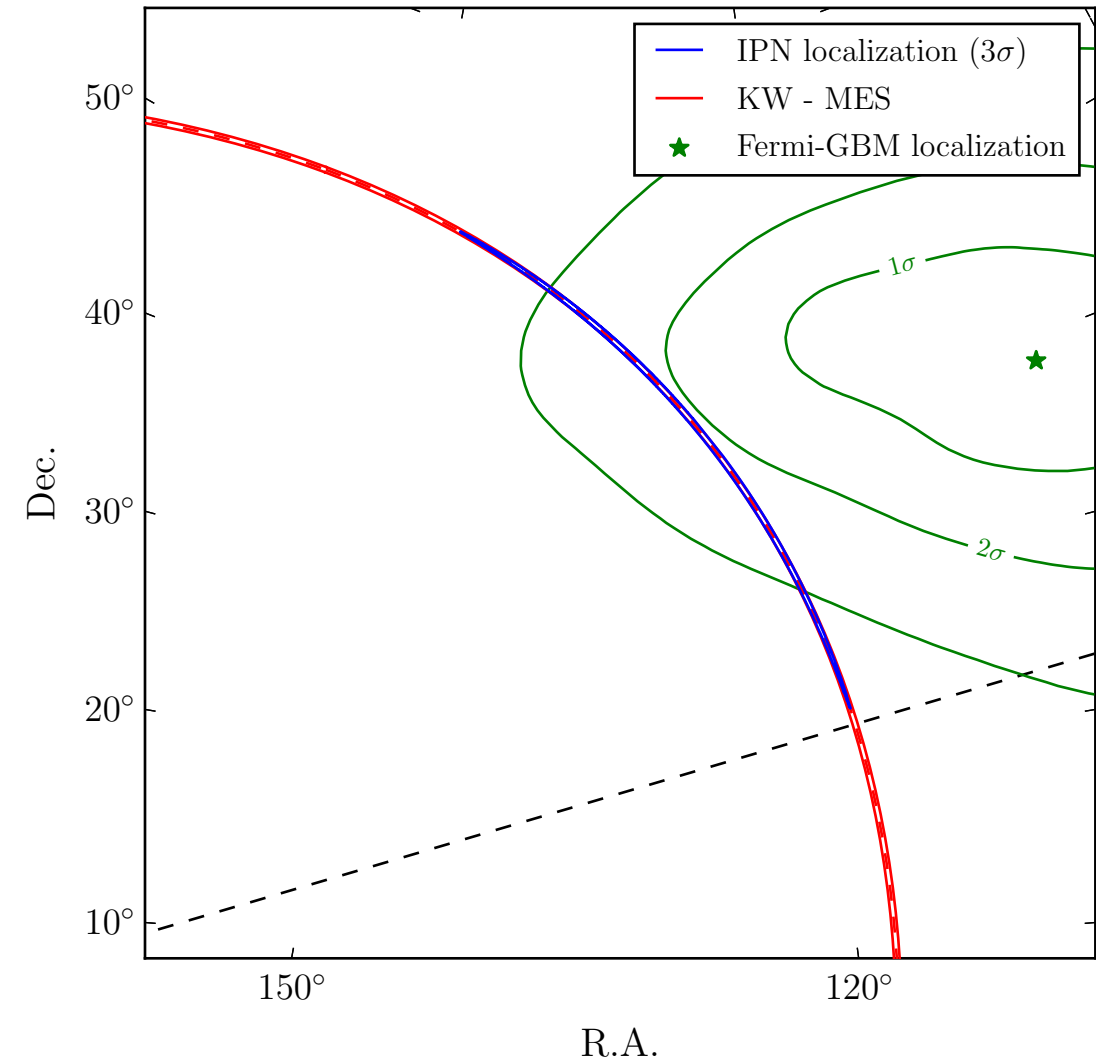
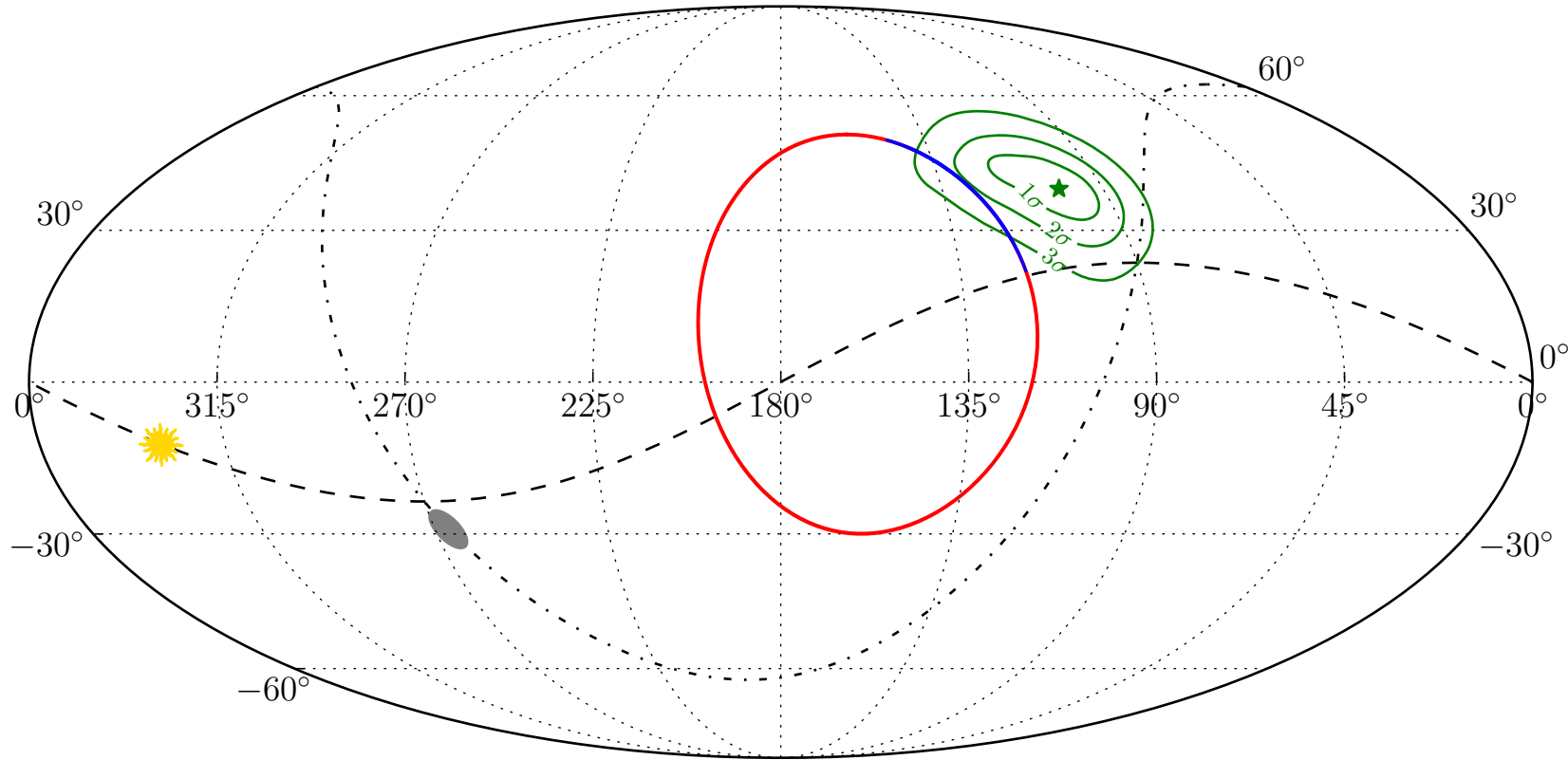
GRB20120111\_T85033 (2012-01-11  $T_0=85033.464$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	95.8074	23.8213	82.1355	0.0878
KW - SUZ	89.8020	25.5795	86.9606	0.1262
KW - INT	266.7744	-30.3313	87.7383	0.1875

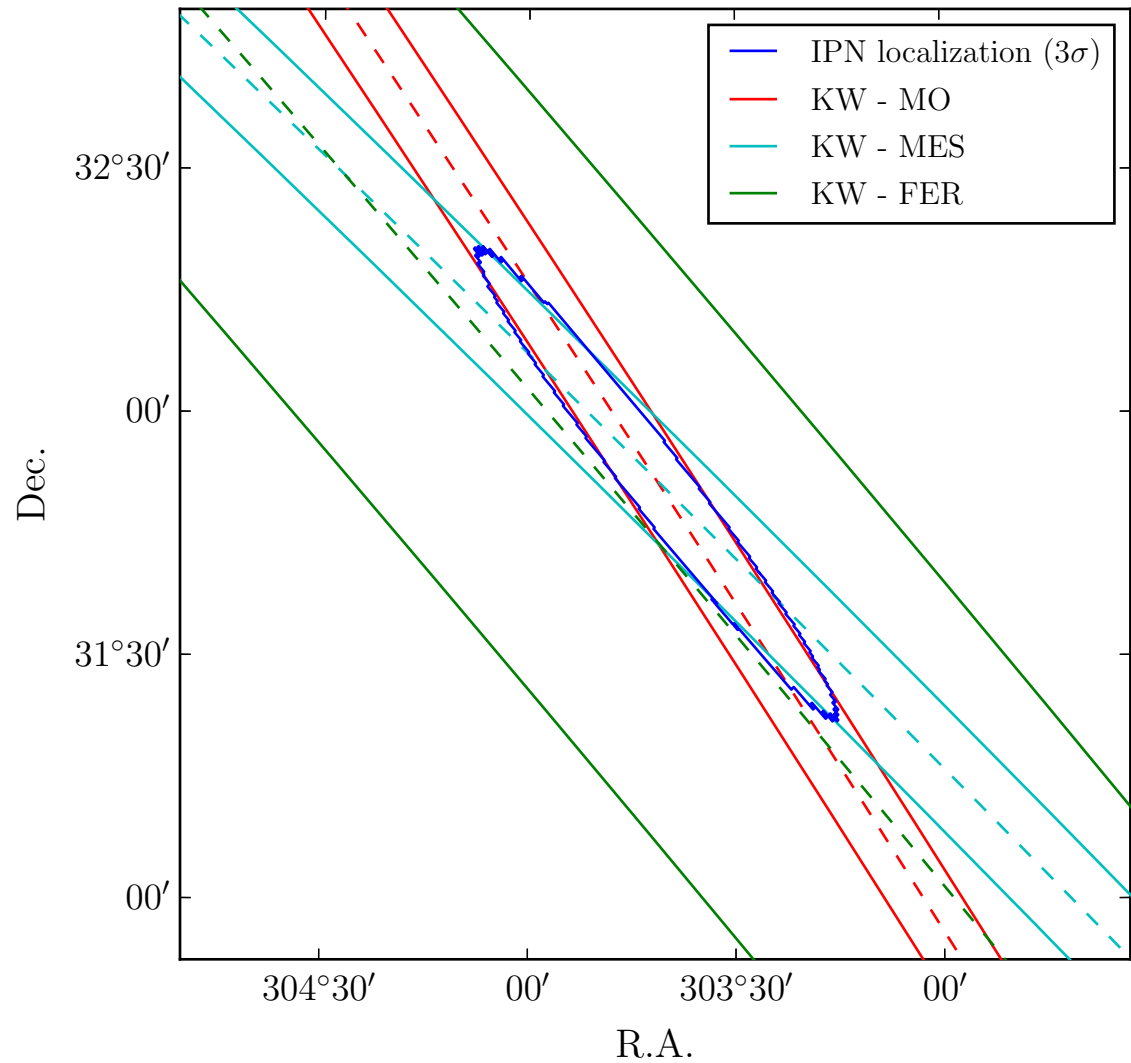
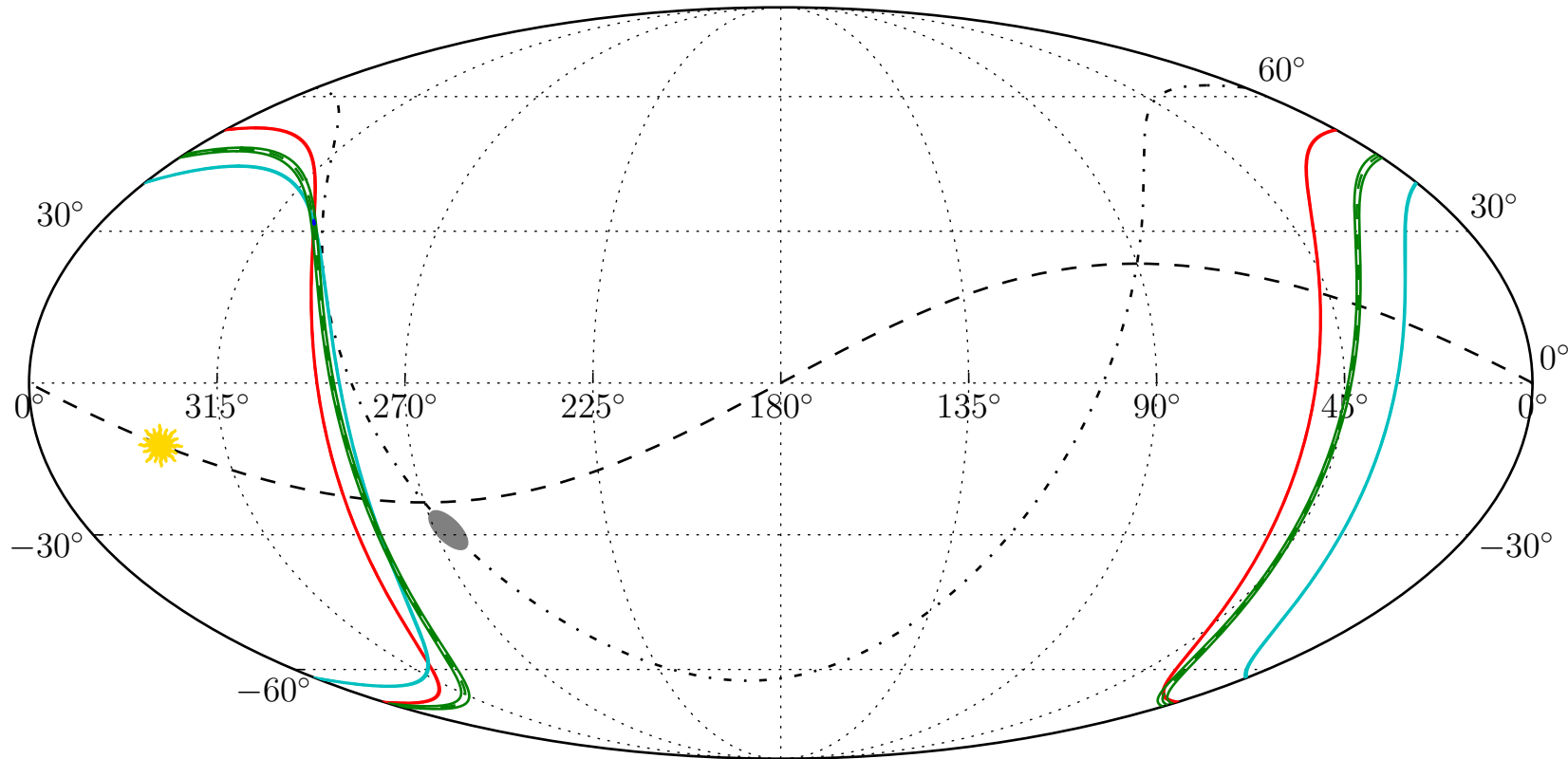
# GRB20120217\_T69834 (2012-02-17 T<sub>0</sub>=69834.117 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	158.9512	10.3489	40.3259	0.1420

# GRB20120217\_T78115 (2012-02-17 T<sub>0</sub>=78115.870 s, UT)

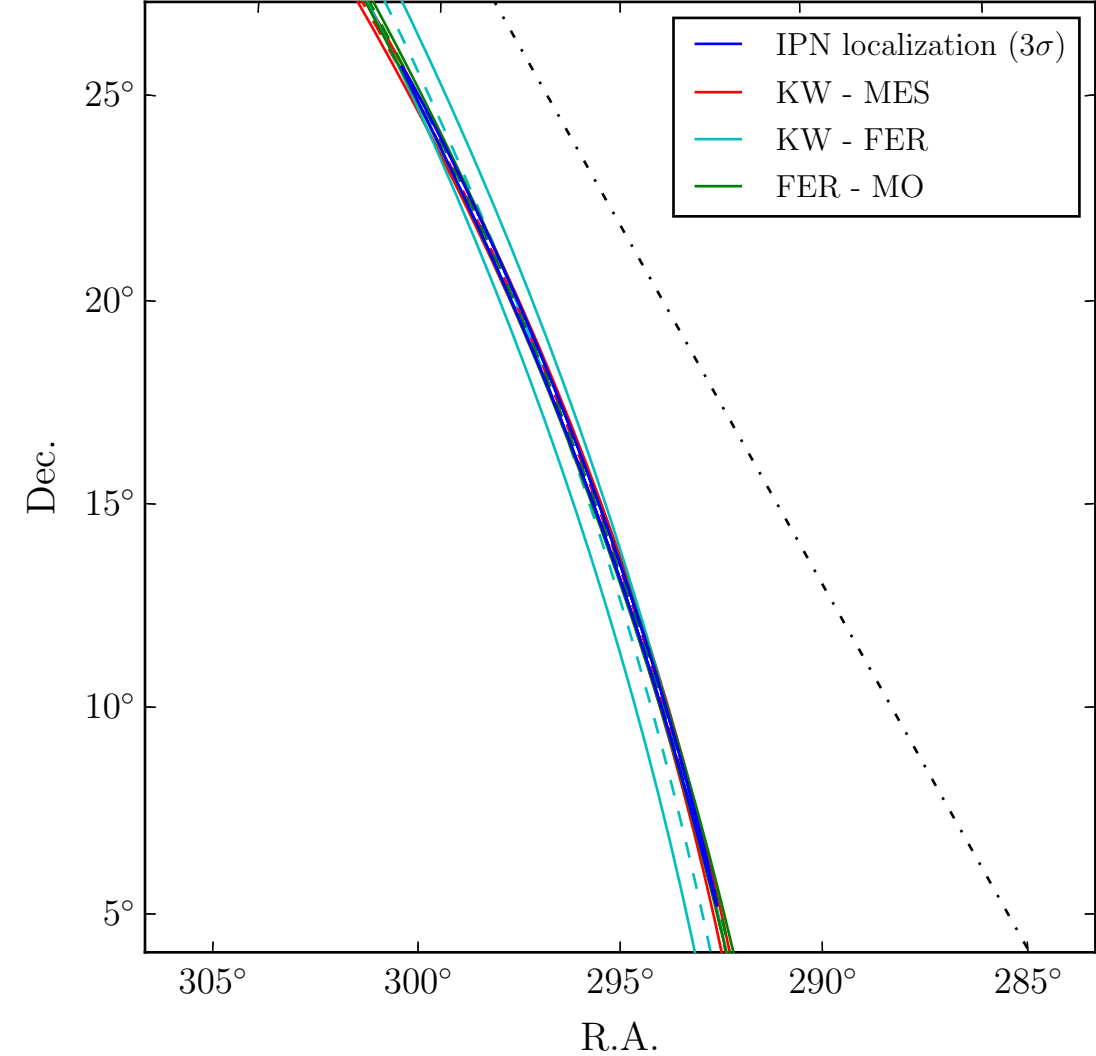
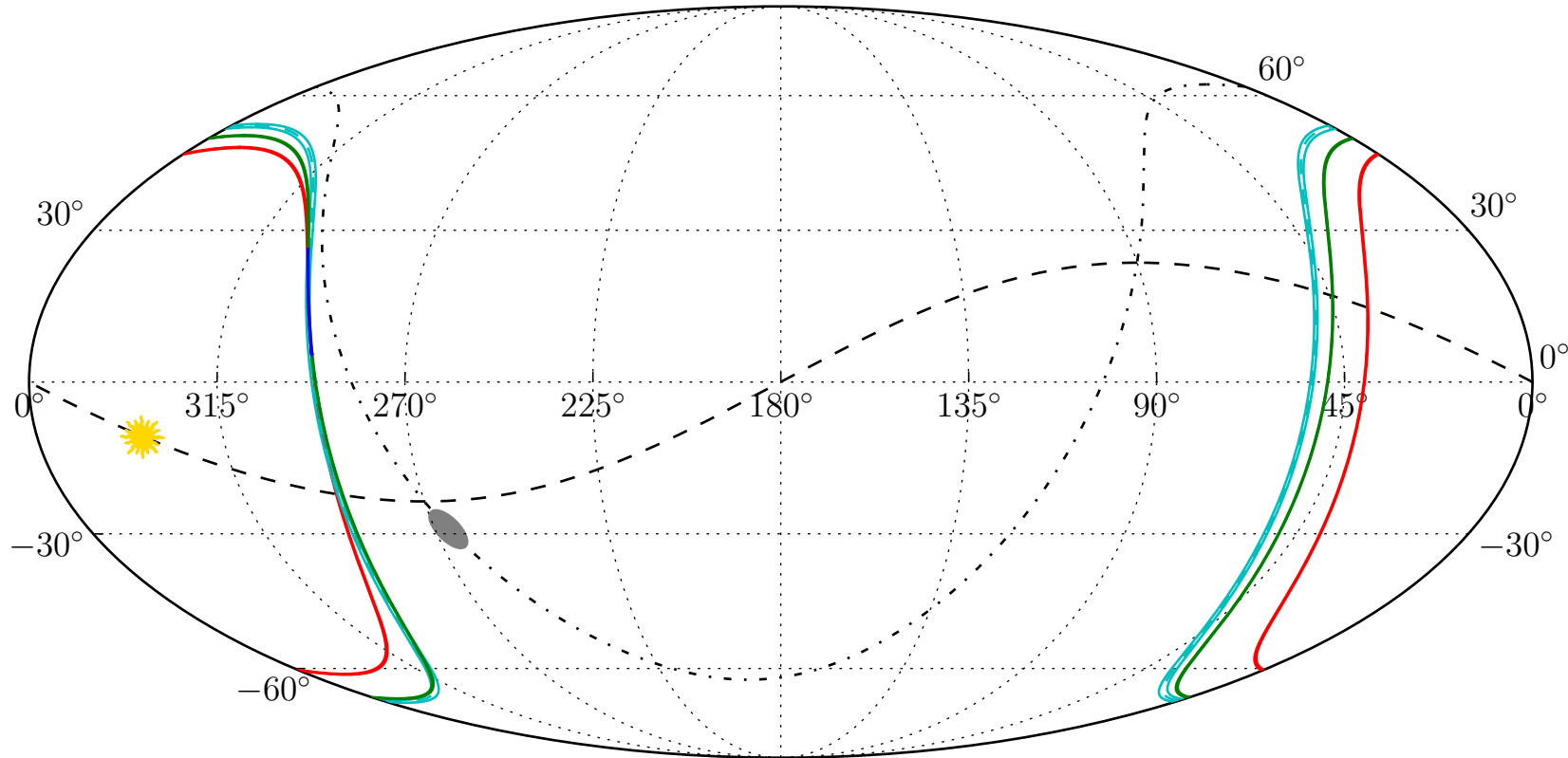


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	351.4188	-8.2515	60.6848	0.0678
KW - MES	339.1041	-10.2774	54.0636	0.0911
KW - FER	345.5805	-11.3609	58.8639	0.3989



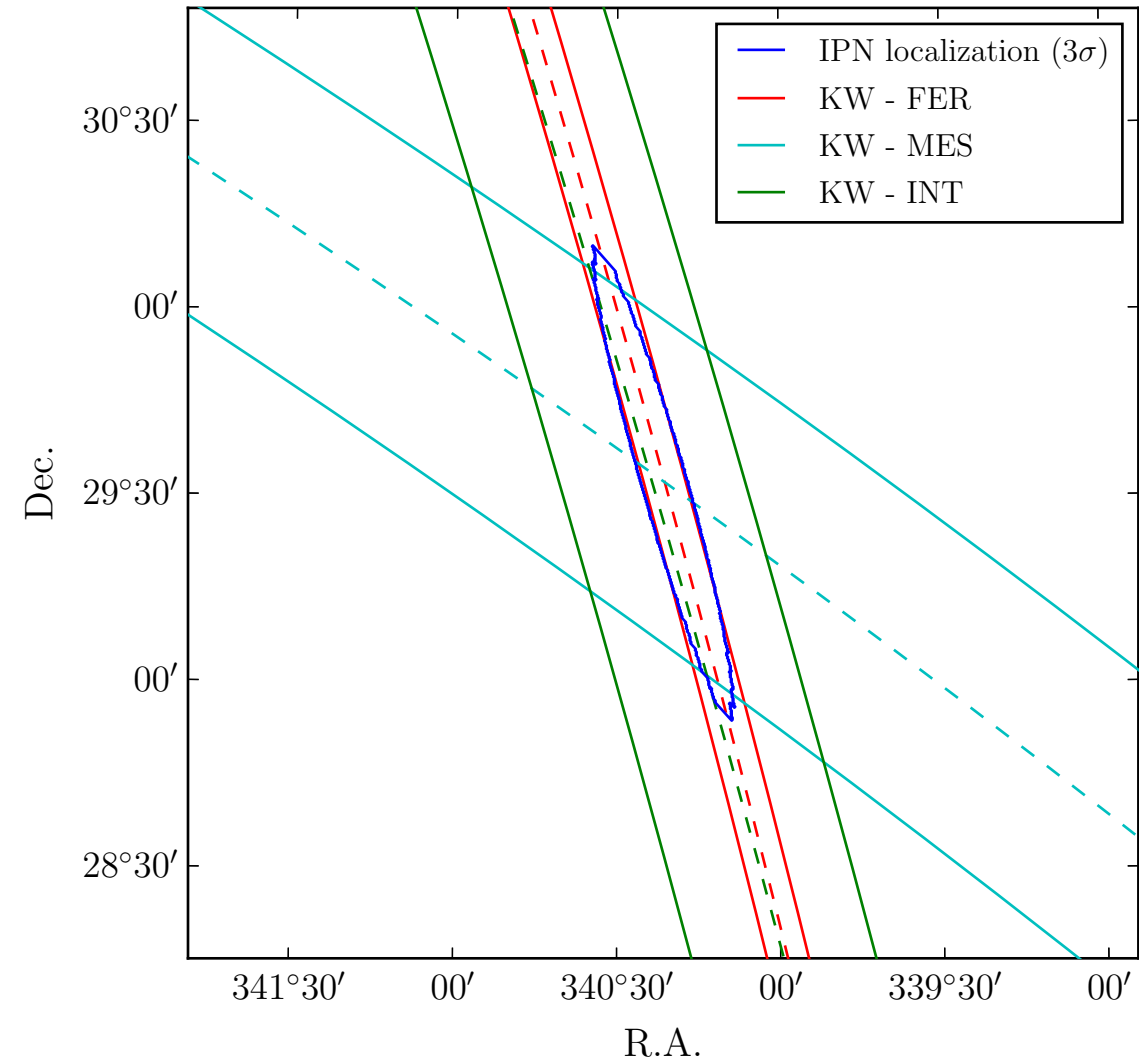
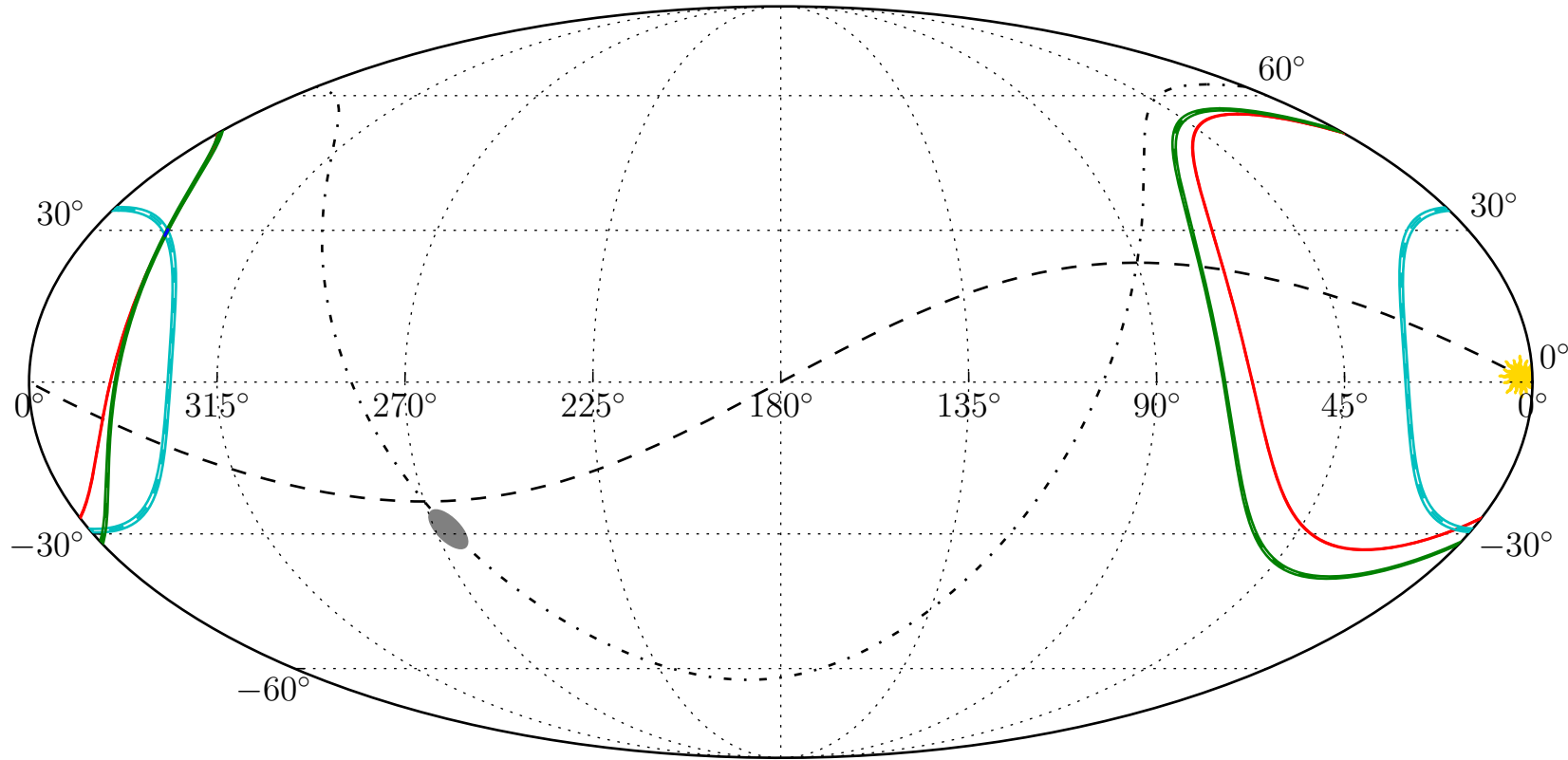
GRB20120222\_T01774 (2012-02-22 T<sub>0</sub>=1774.033 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	345.9578	-6.8819	54.6015	0.0984
KW - FER	352.4151	-7.9930	60.7362	0.3819
FER - MO	350.2417	-8.7791	59.2131	0.0854

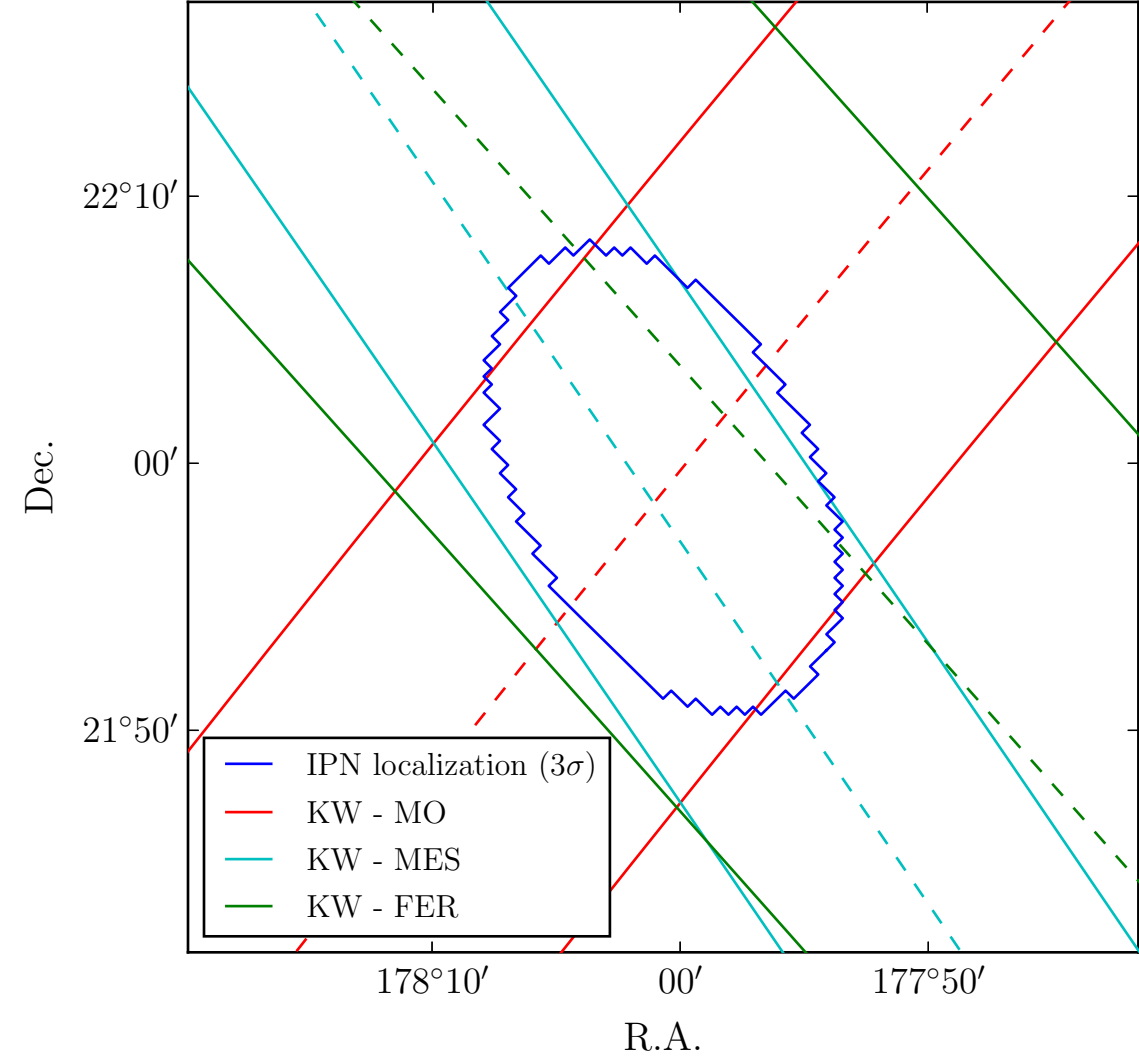
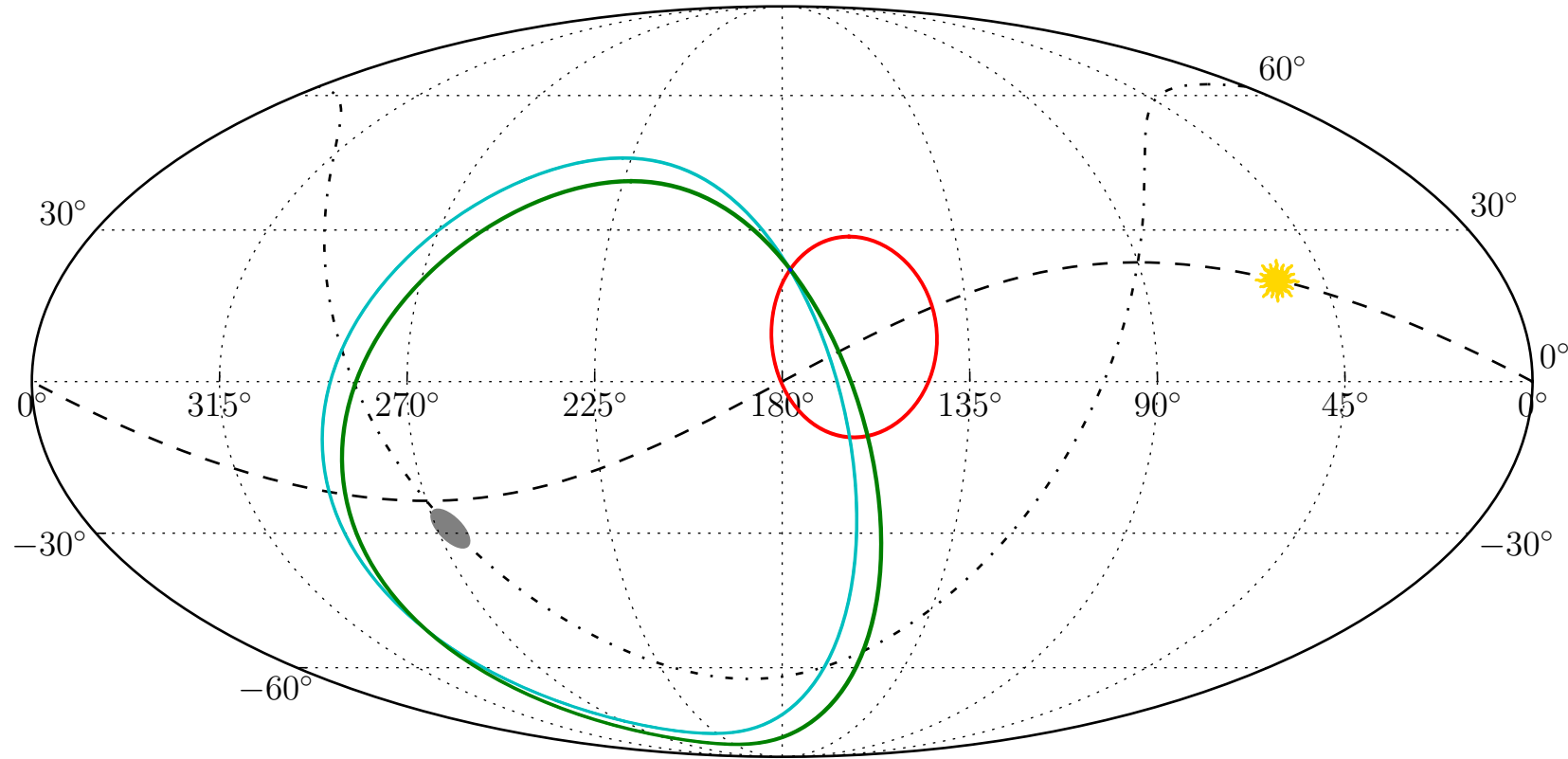
# GRB120323A (2012-03-23 $T_0=43815.970$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	23.8150	11.1081	44.3857	0.0546
KW - MES	358.2679	2.5561	31.8953	0.3541
KW - INT	26.5279	8.7351	47.8739	0.2401

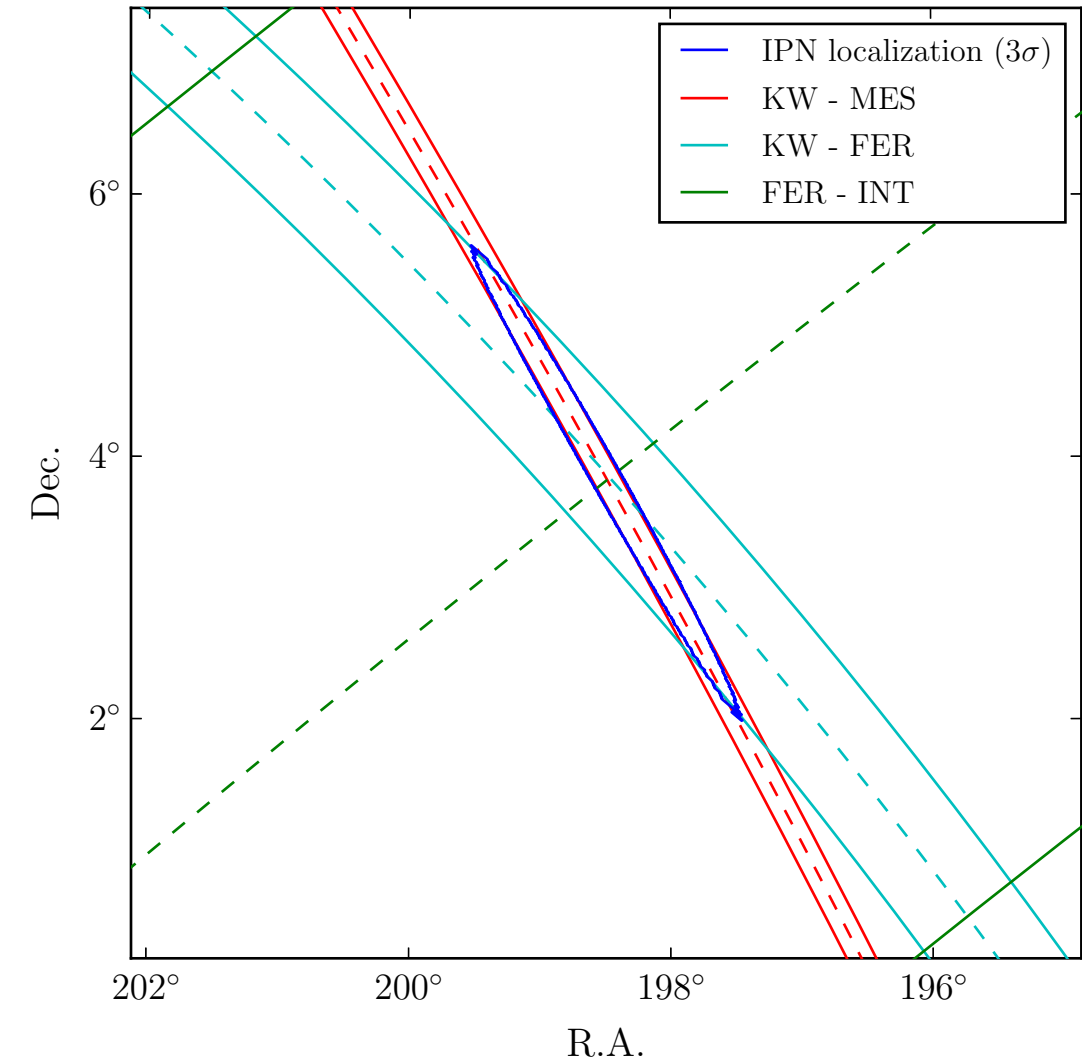
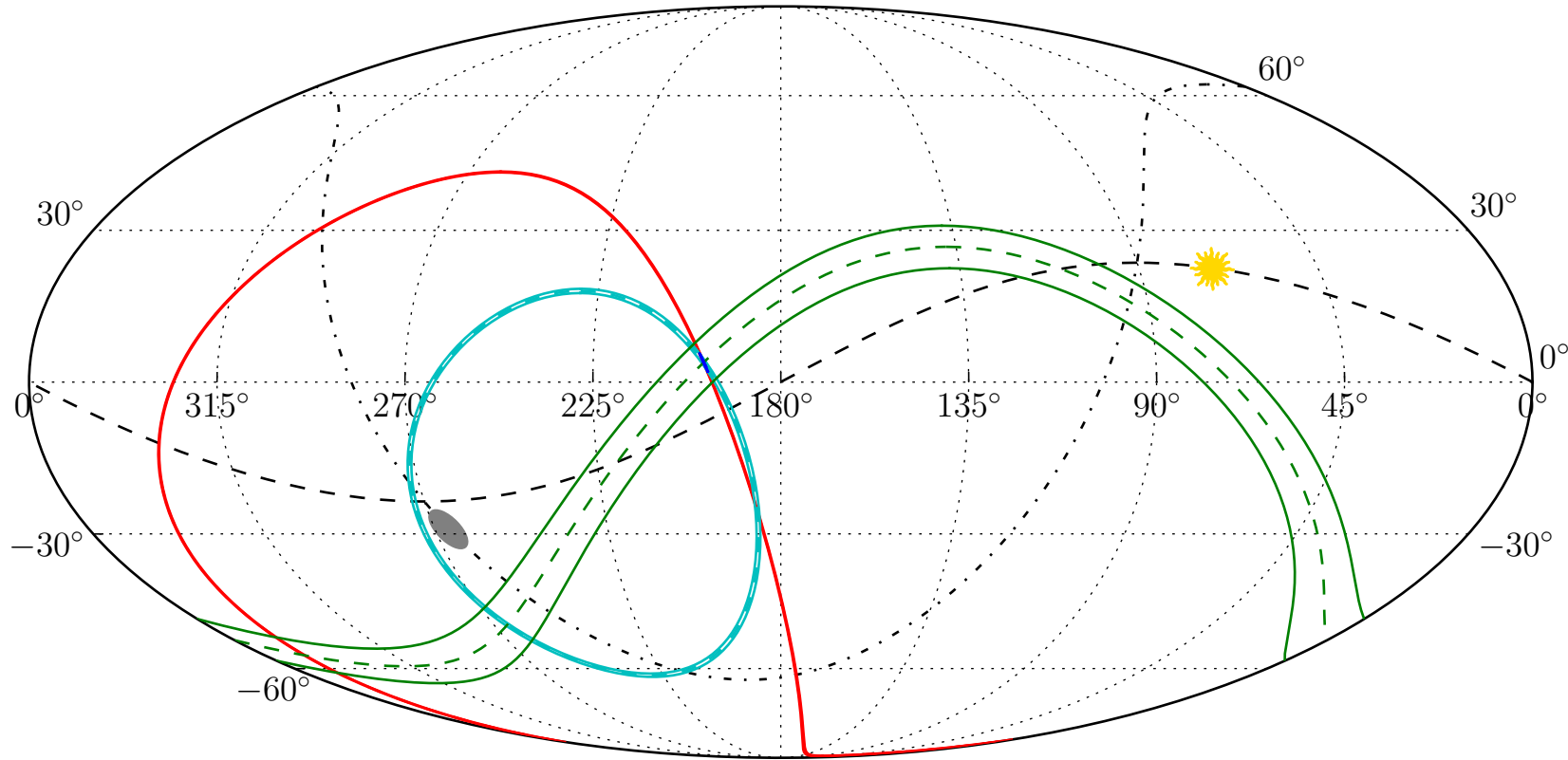
# GRB120519A (2012-05-19 $T_0=62298.004$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	162.6055	8.8923	19.7638	0.1303
KW - MES	227.6060	-16.8279	62.1539	0.0920
KW - FER	222.8672	-21.4219	61.6867	0.1850

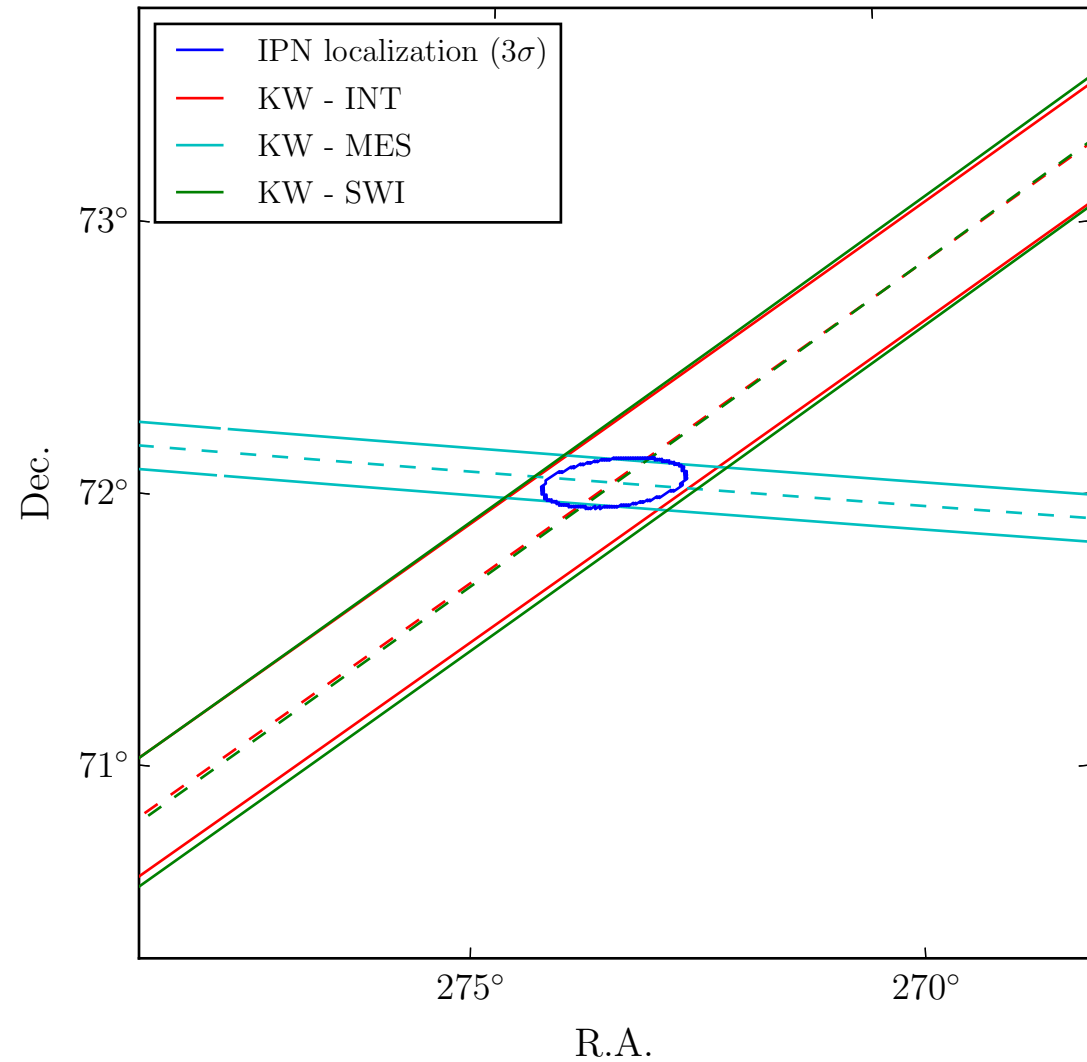
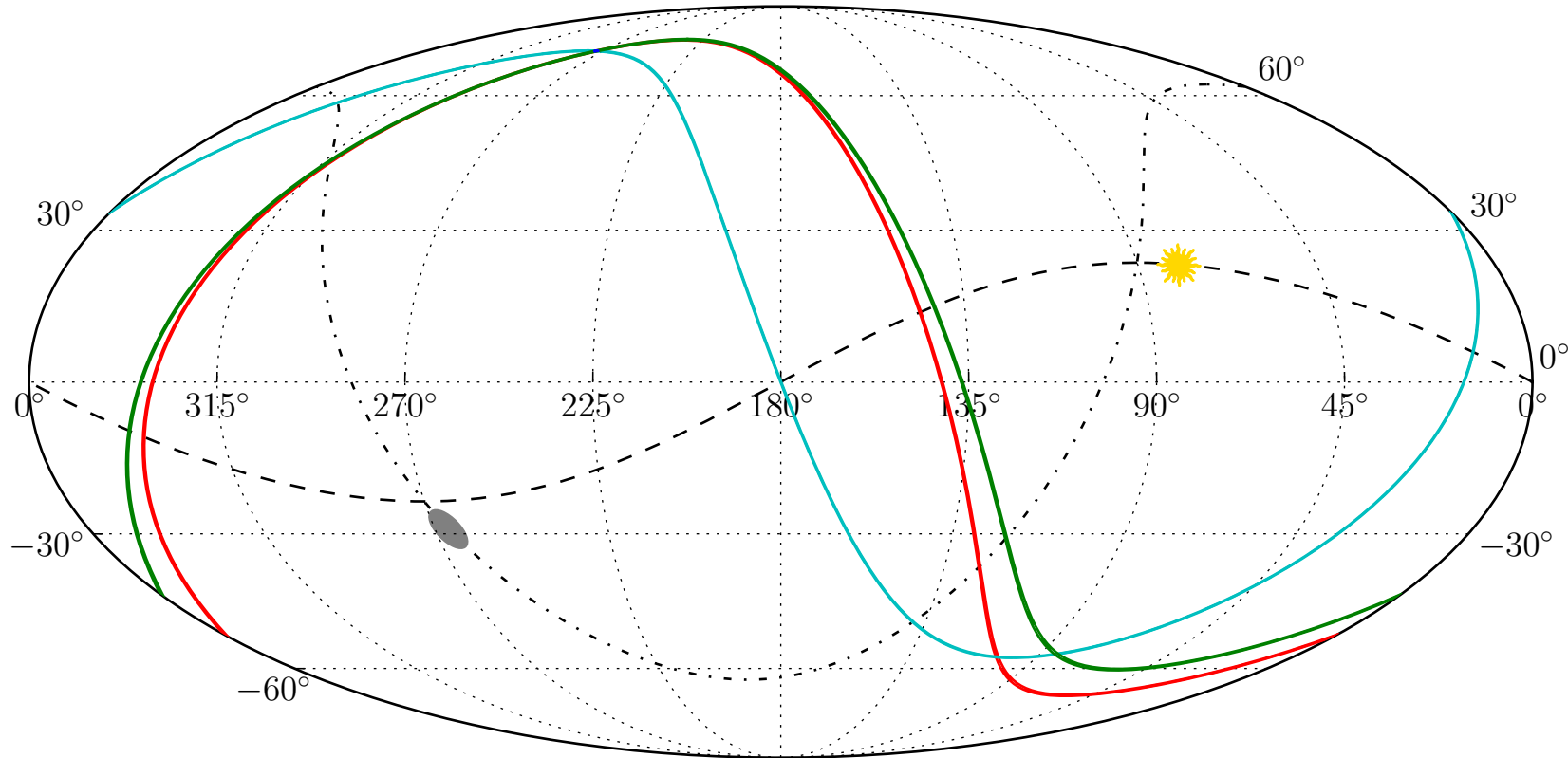
# GRB120603A (2012-06-03 $T_0=37934.201$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	260.9581	-24.6785	66.9740	0.1002
KW - FER	229.4027	-21.9409	39.7568	0.4245
FER - INT	137.5826	-46.9575	73.5969	4.3166

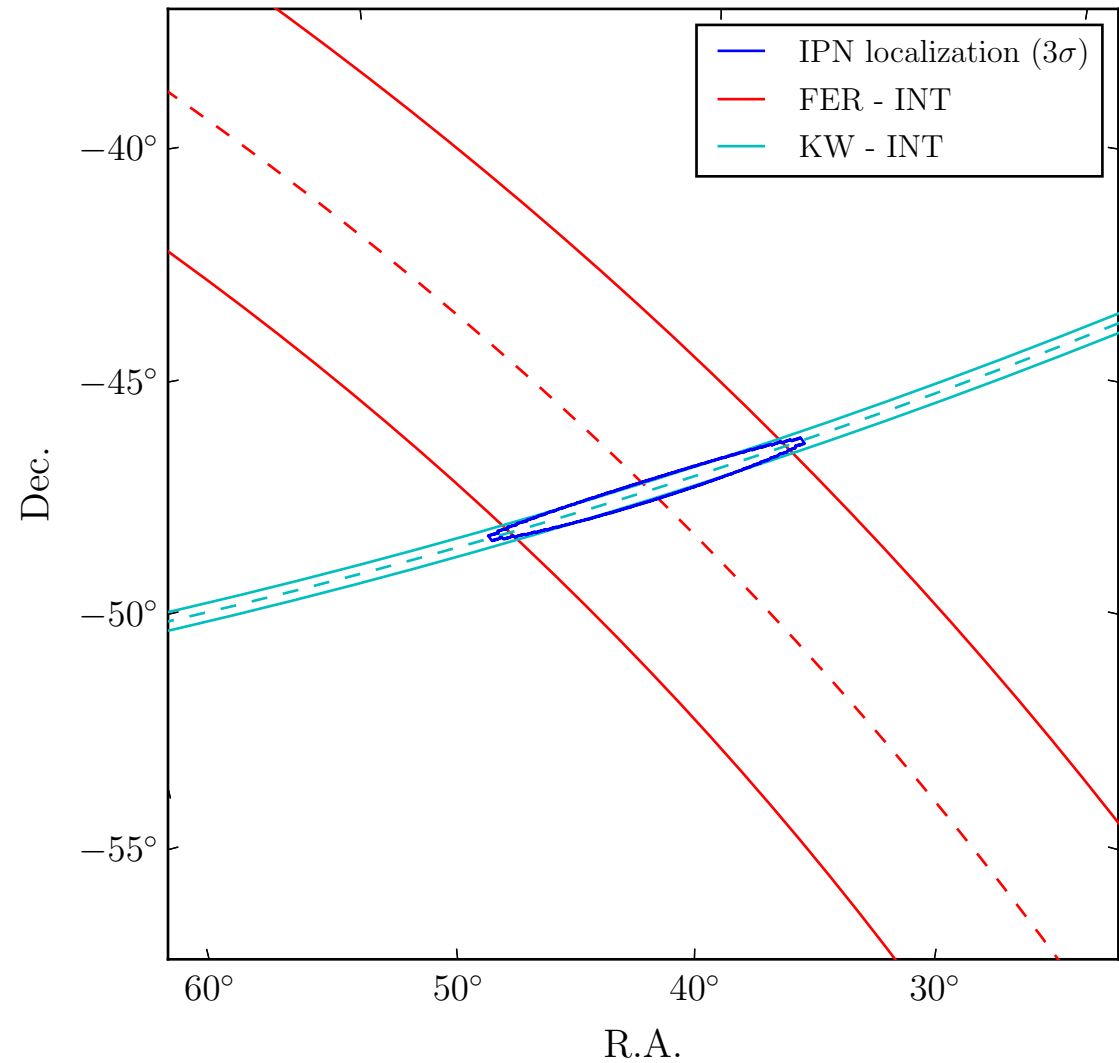
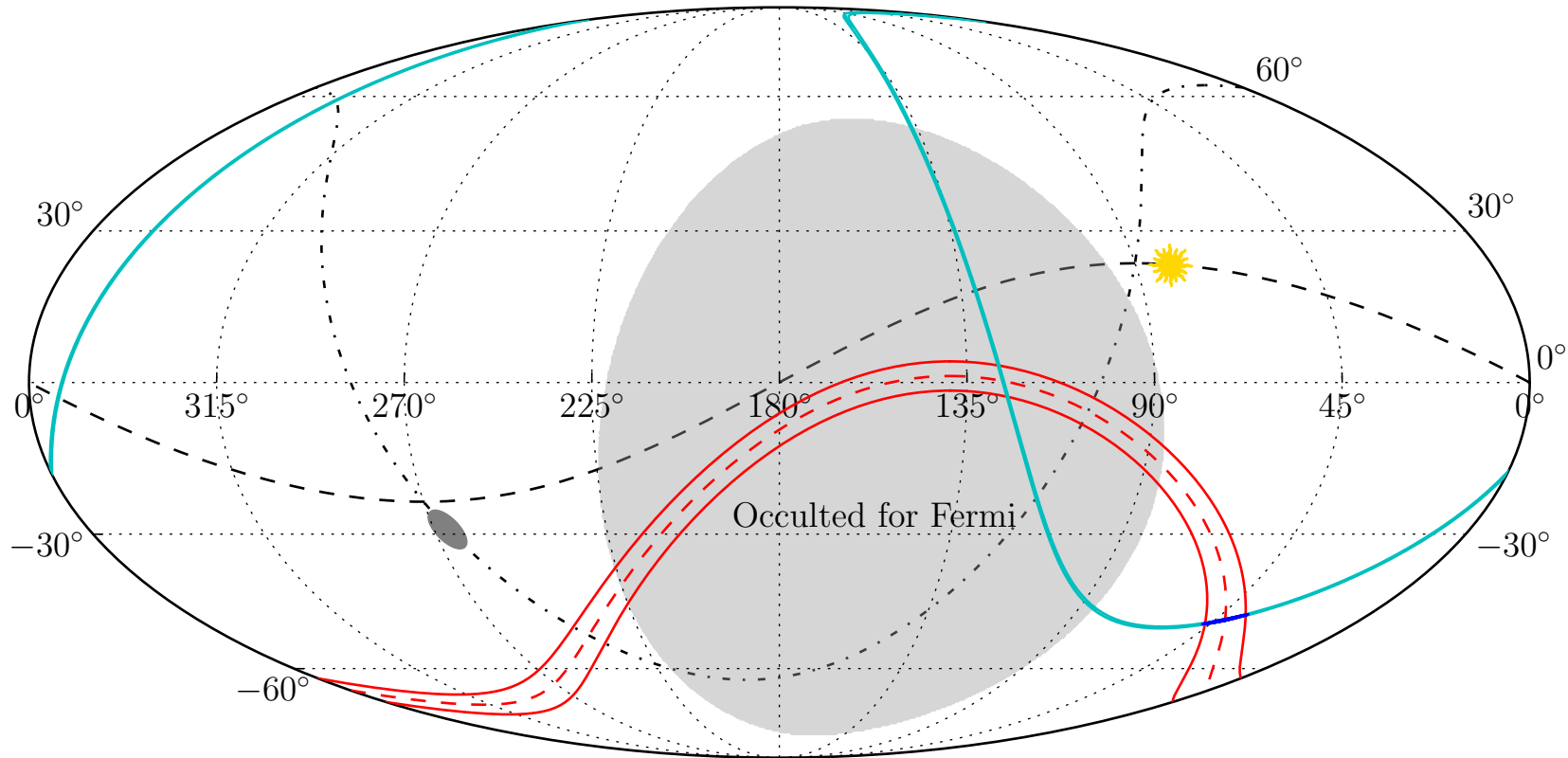
GRB20120611\_T22313 (2012-06-11 T<sub>0</sub>=22313.363 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	55.9284	18.6822	85.7475	0.1789
KW - MES	98.2091	25.2519	82.5712	0.0869
KW - SWI	54.9330	22.0204	82.3001	0.1937

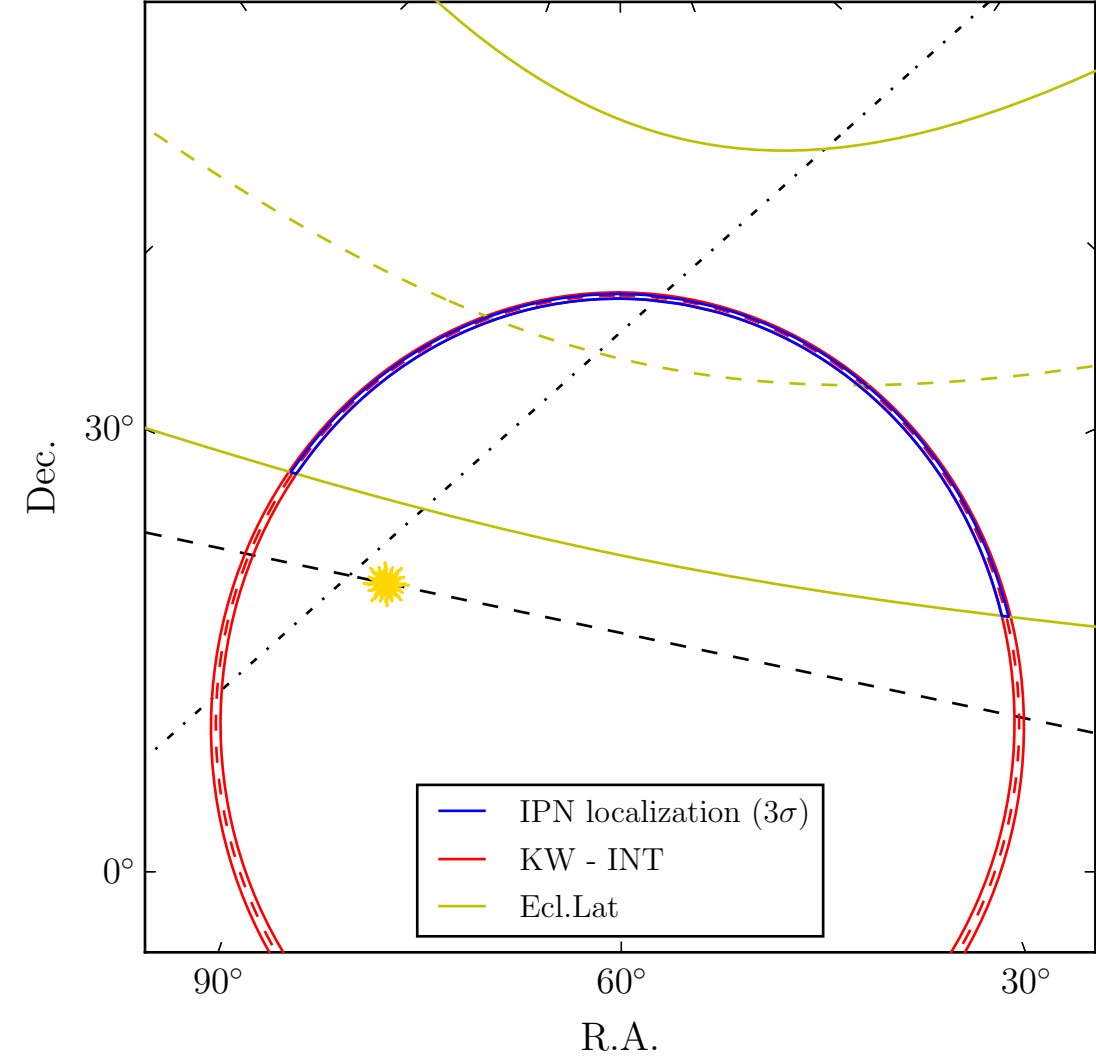
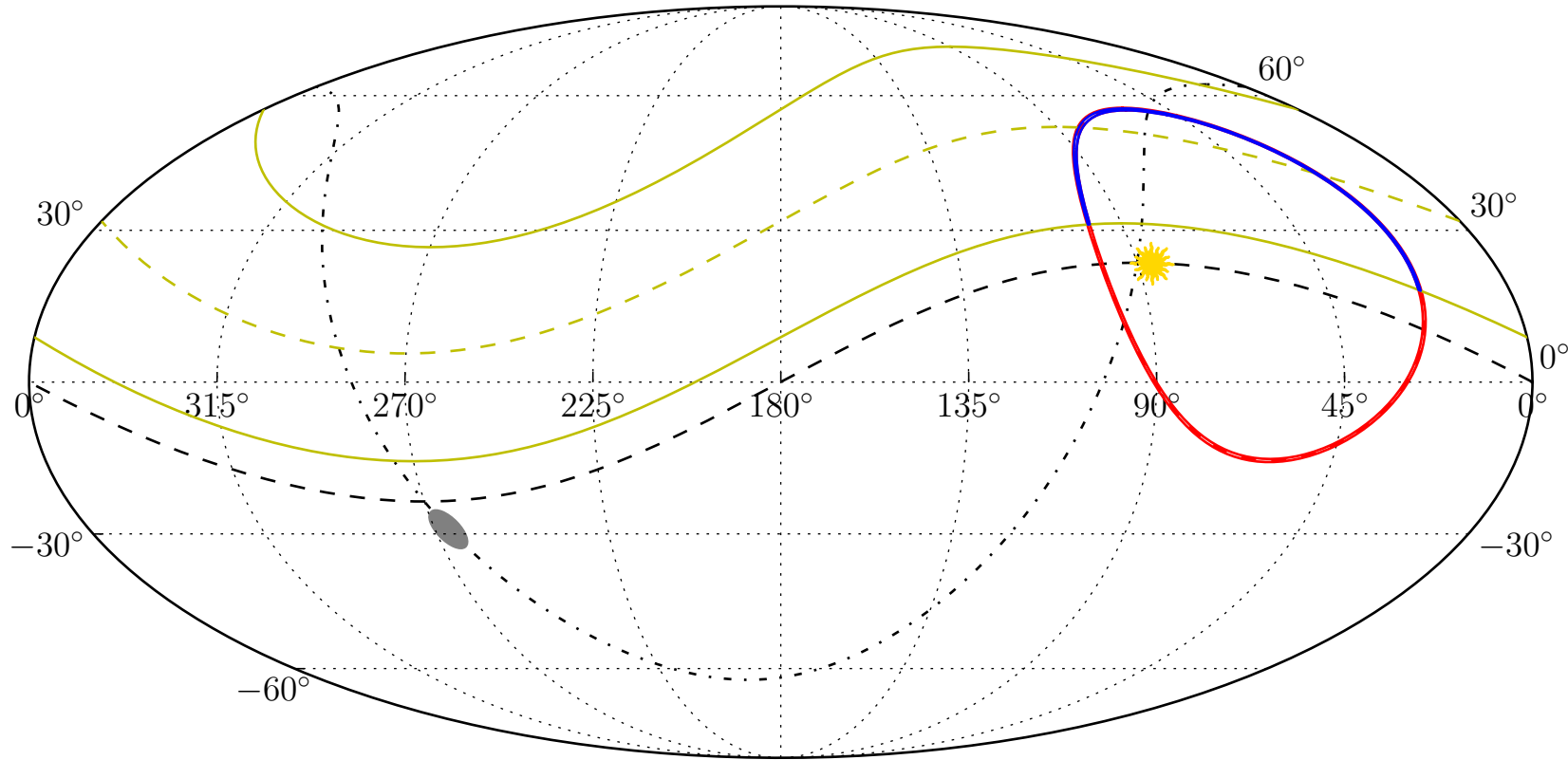
GRB20120612\_T59382 (2012-06-12 T<sub>0</sub>=59382.804 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - INT	138.9751	-54.5328	55.8071	2.8424
KW - INT	59.1294	18.1150	68.2702	0.1994

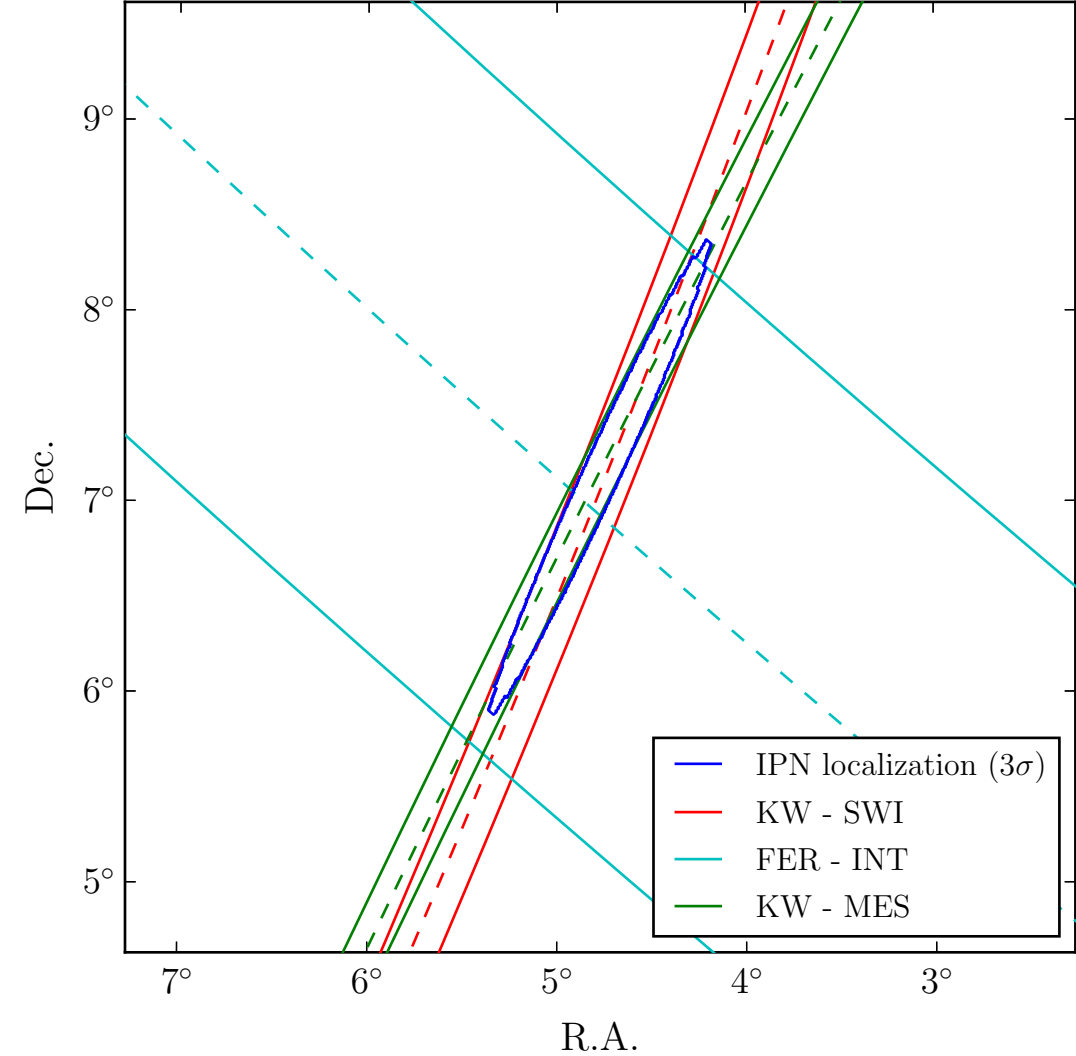
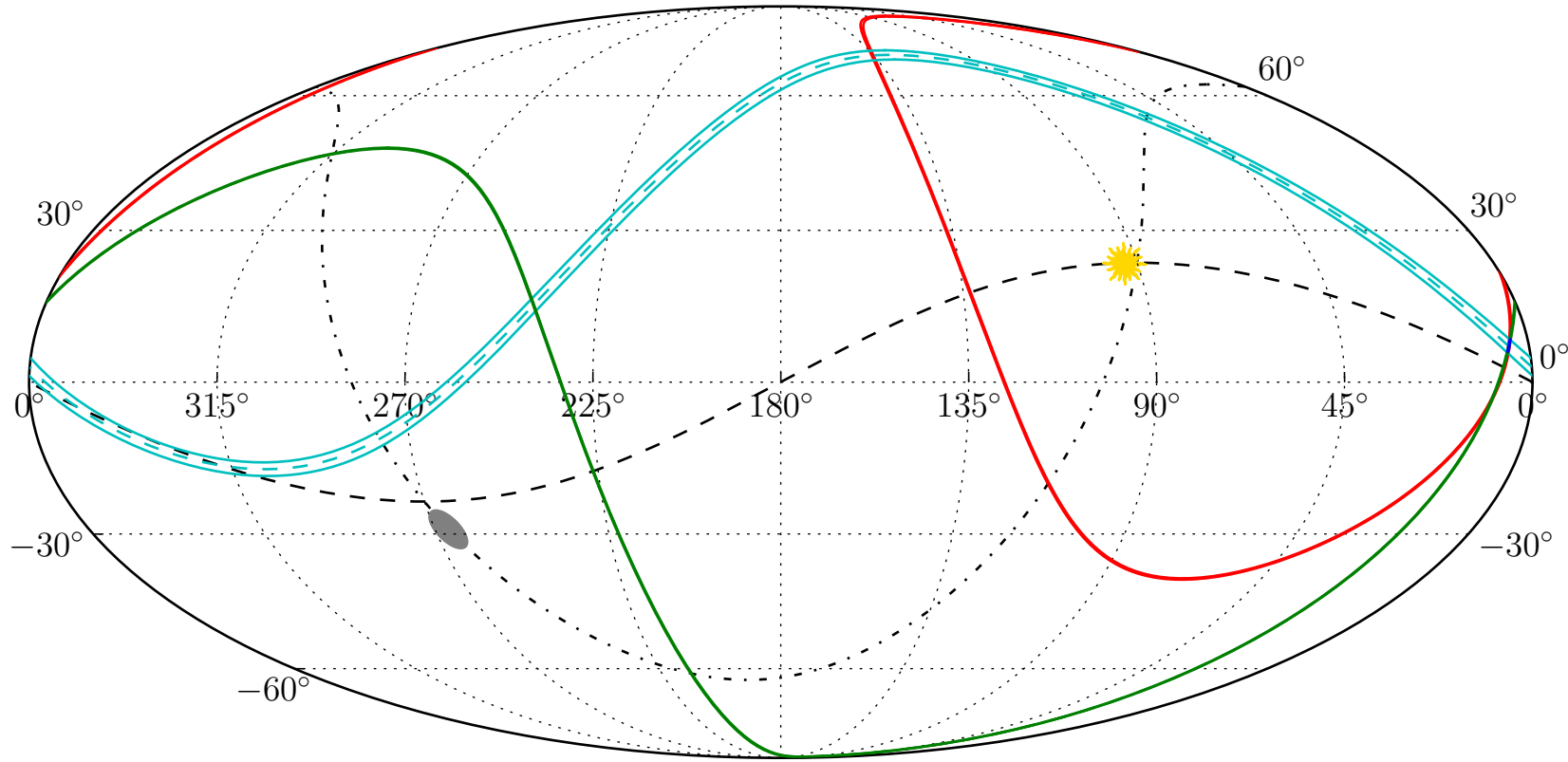
# GRB120617A (2012-06-17 $T_0=54167.025$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	60.2891	20.7002	35.9981	0.3058
Ecl.Lat	270.0000	66.5610	61.0000	21.0000

# GRB120624A (2012-06-24 $T_0=26662.982$ s, UT)

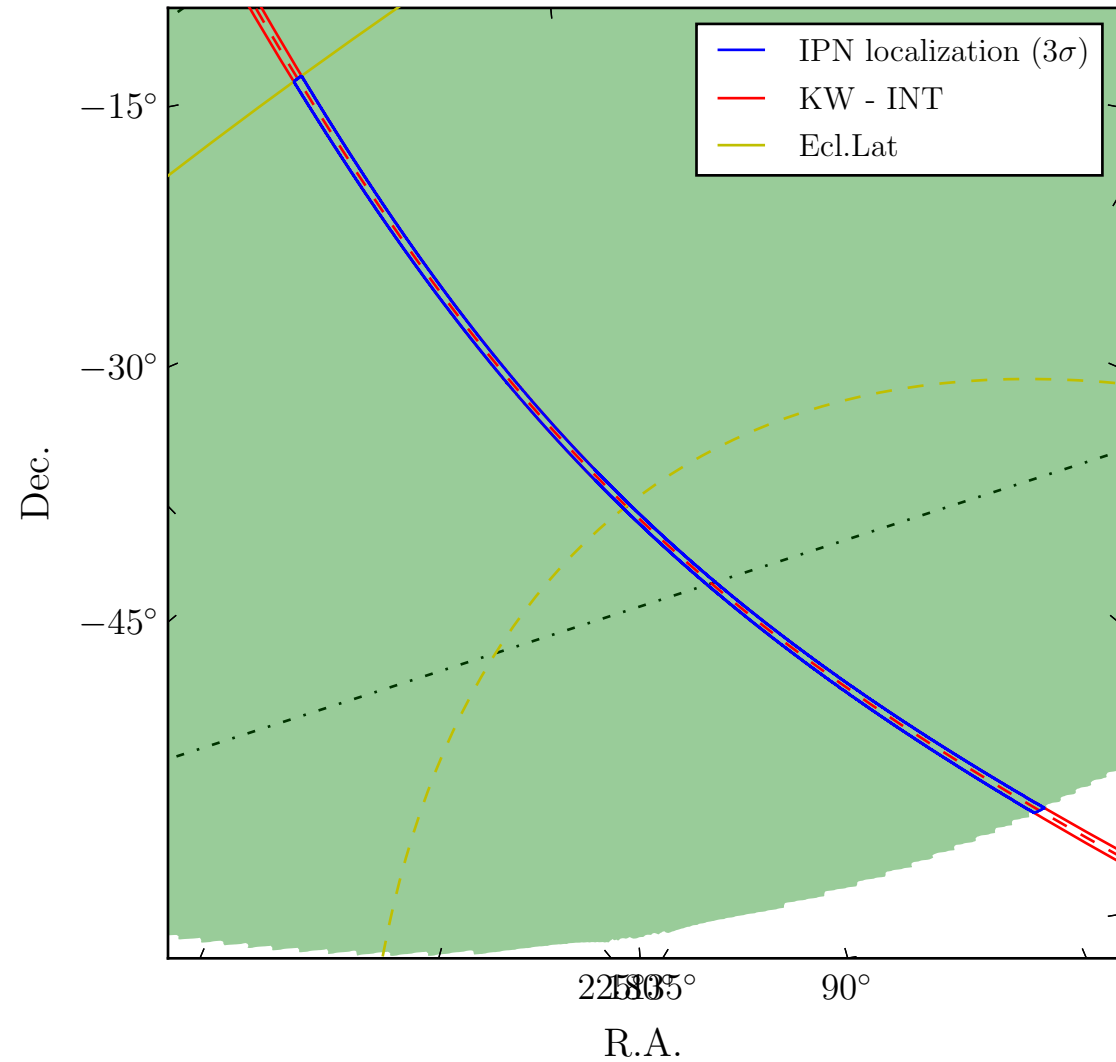
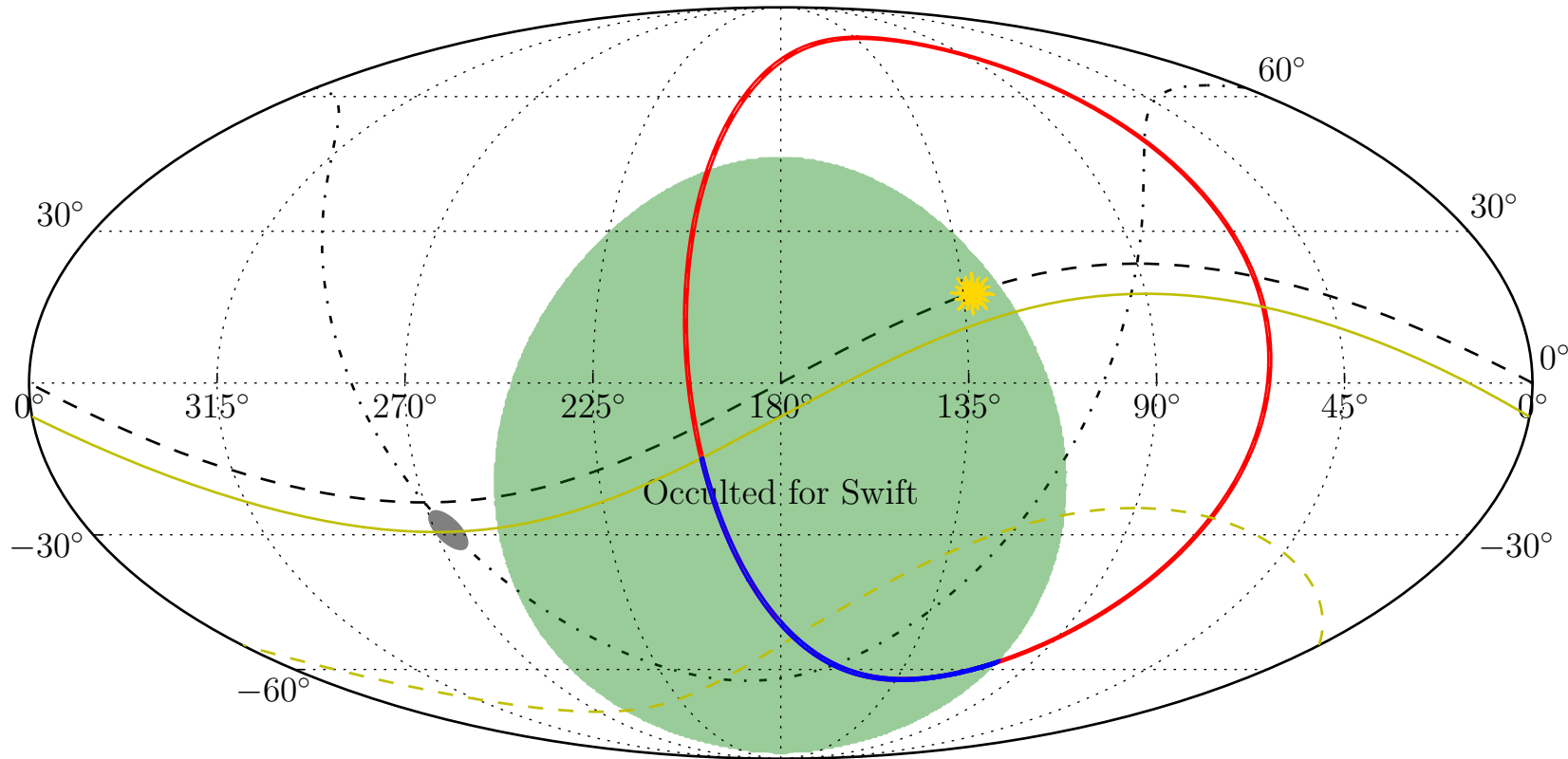


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	67.1791	22.4221	61.8498	0.1407
FER - INT	306.9455	46.0047	63.0040	1.3469
KW - MES	300.4273	-21.7751	69.3485	0.1050



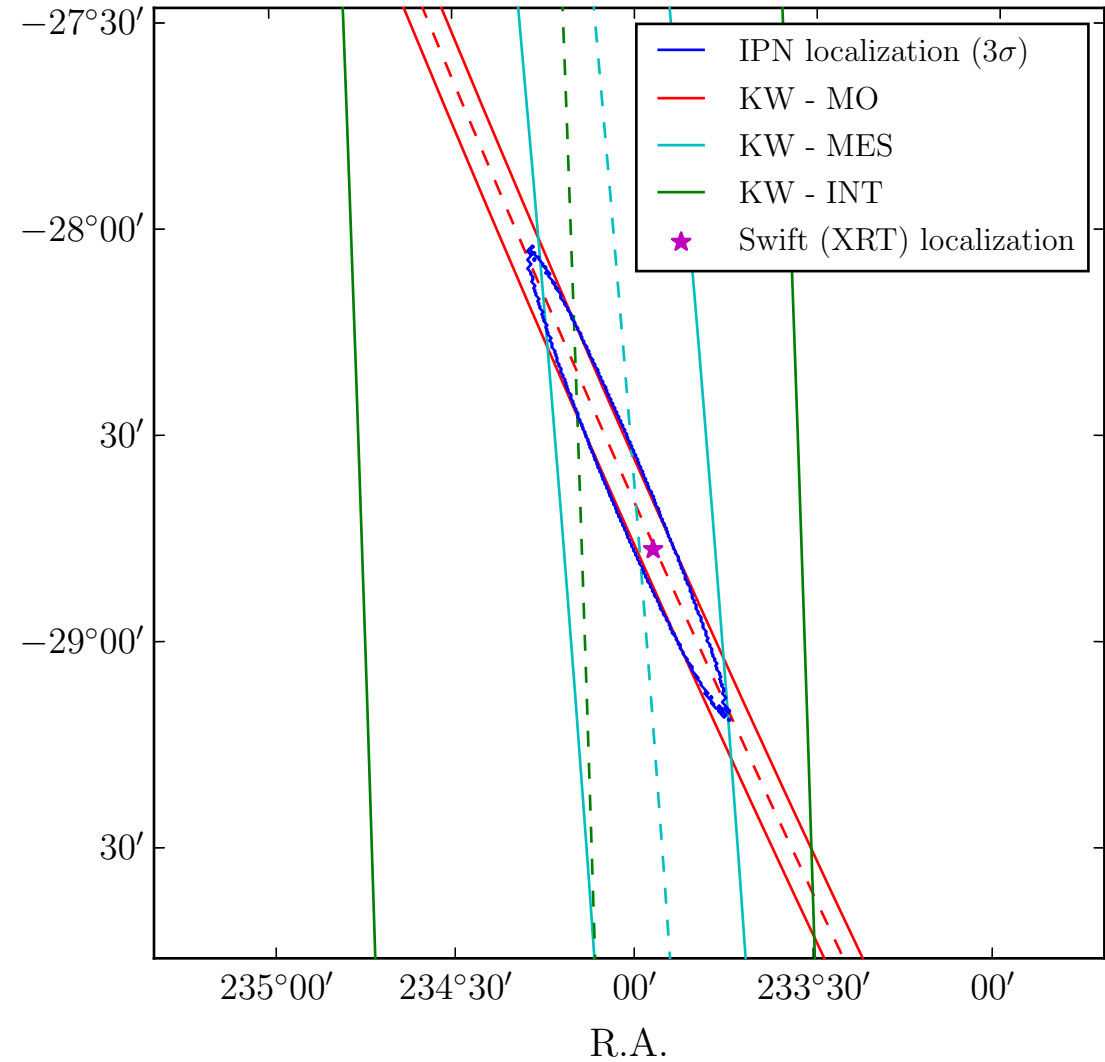
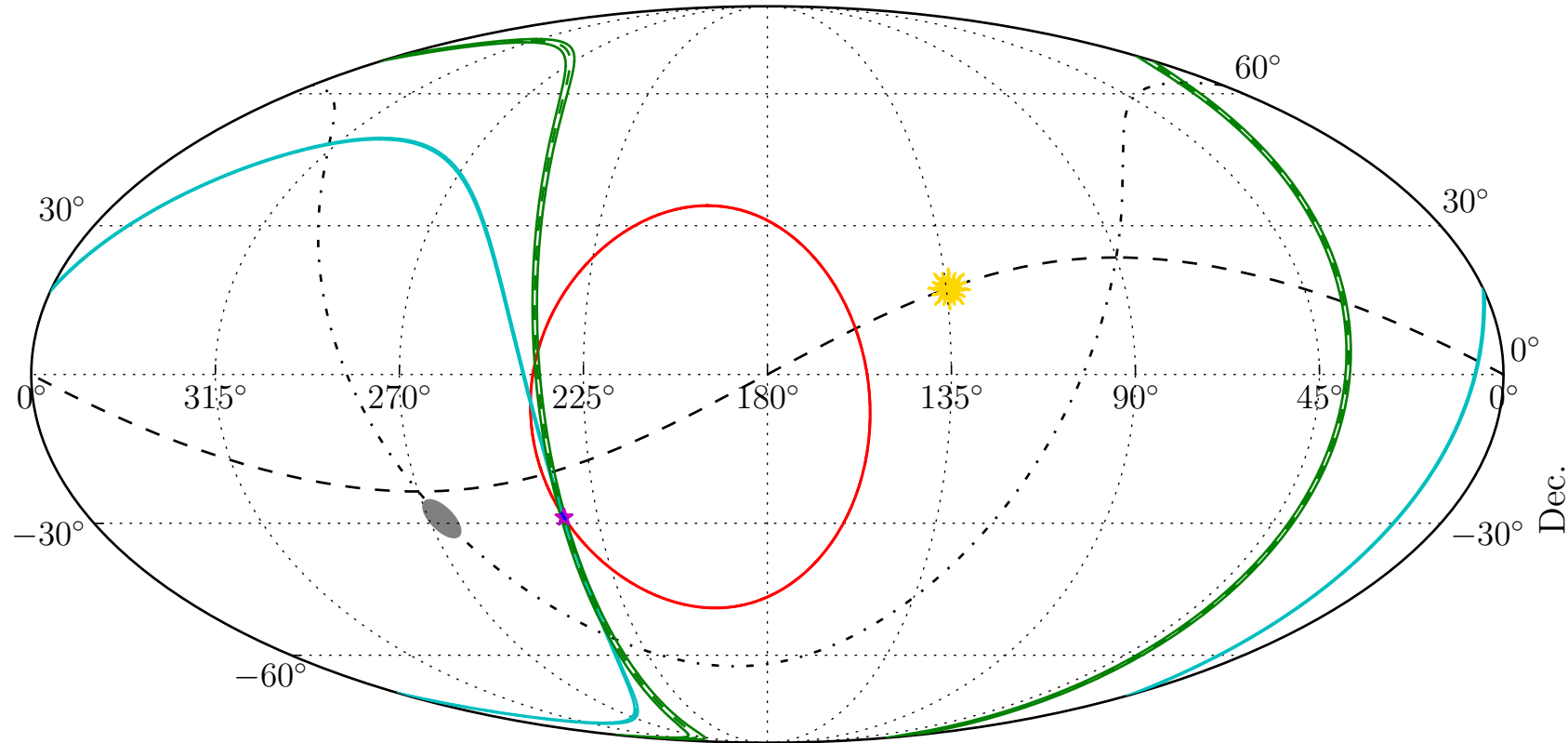
GRB20120802\_T39233 (2012-08-02 T<sub>0</sub>=39233.231 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	132.6103	7.0012	69.5737	0.3378
Ecl.Lat	270.0000	66.5610	138.0000	42.0000

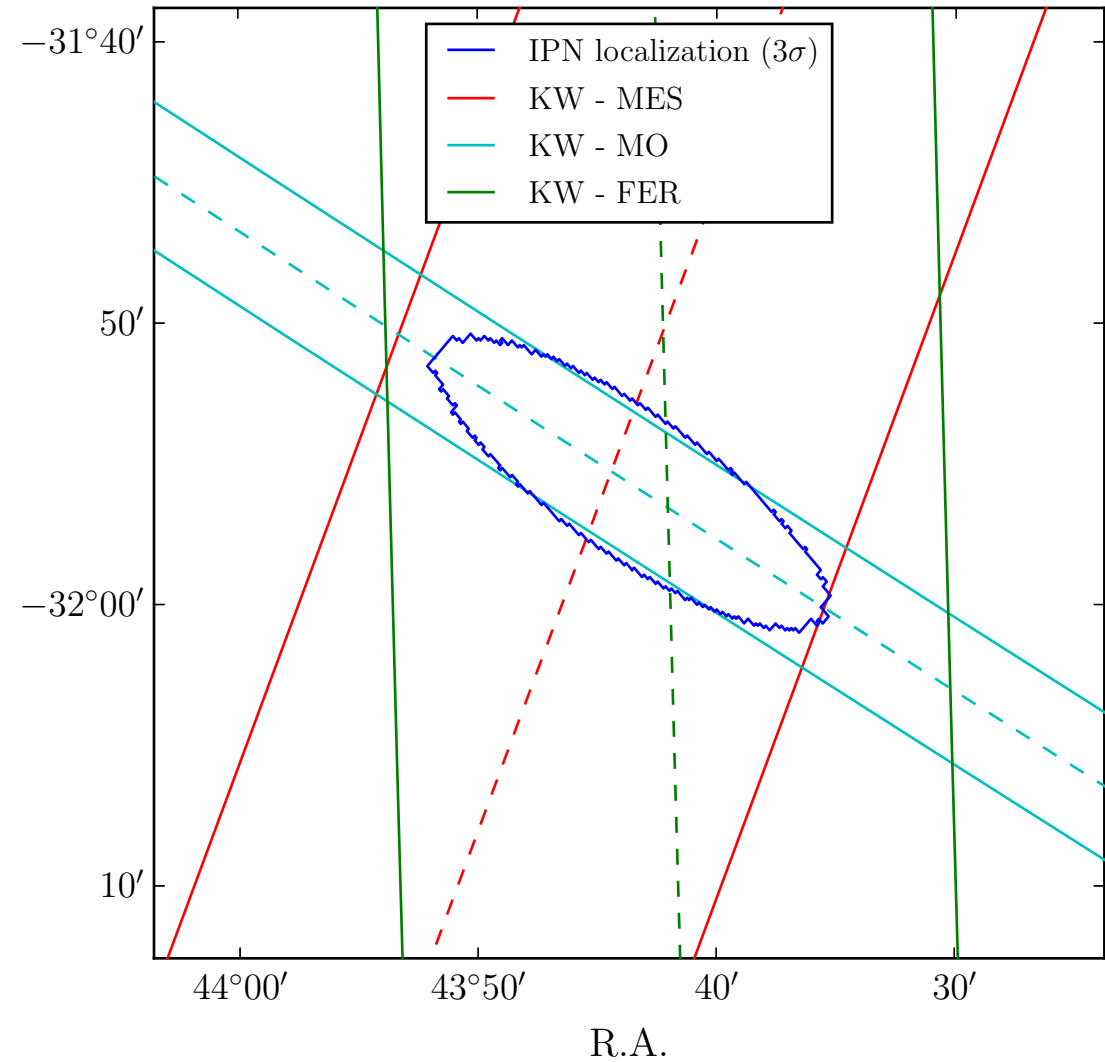
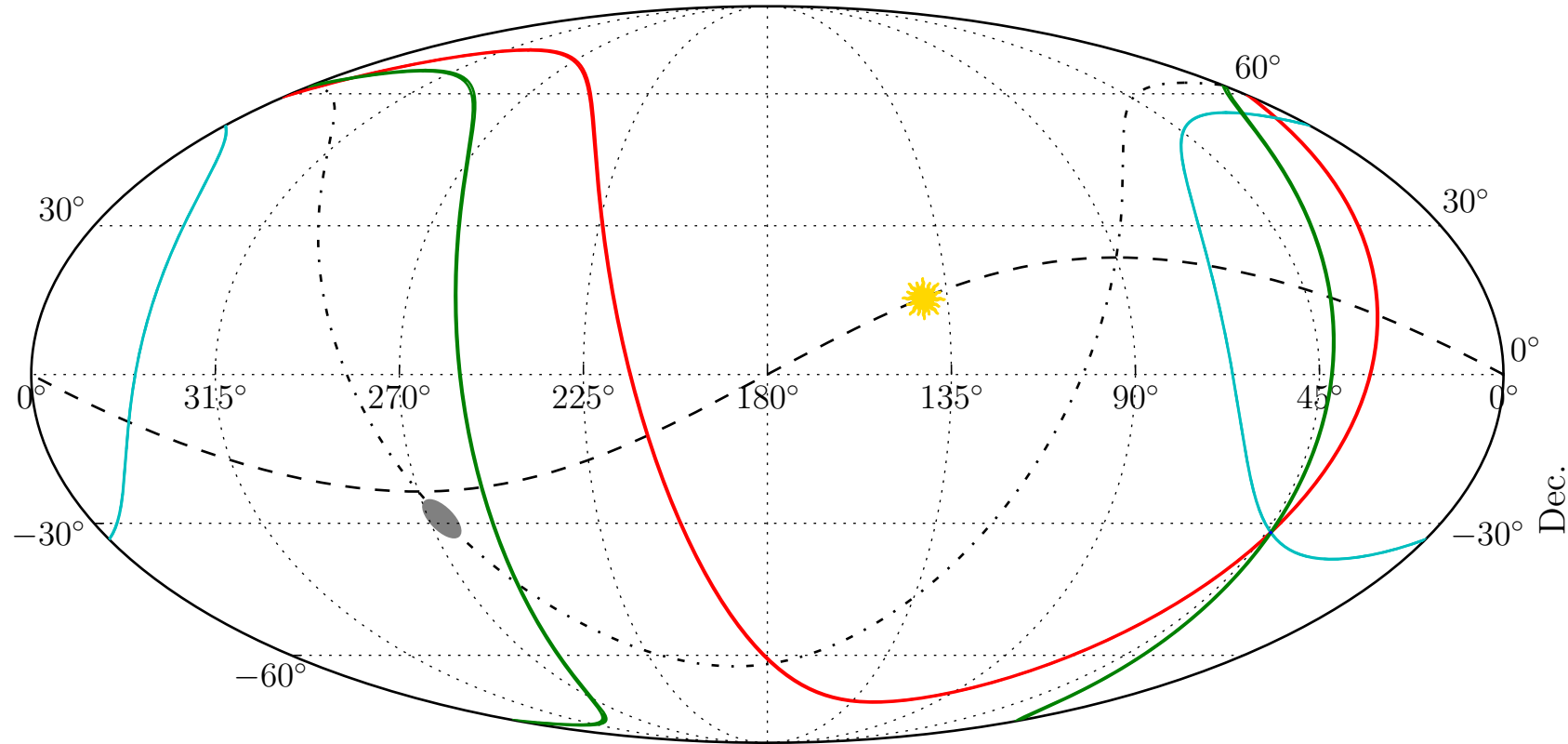
# GRB120804A (2012-08-04 T<sub>0</sub>=3255.749 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	196.4776	-7.1476	41.3946	0.0422
KW - MES	303.2717	-15.5731	64.6665	0.1829
KW - INT	317.1271	-5.9427	81.0042	0.5328

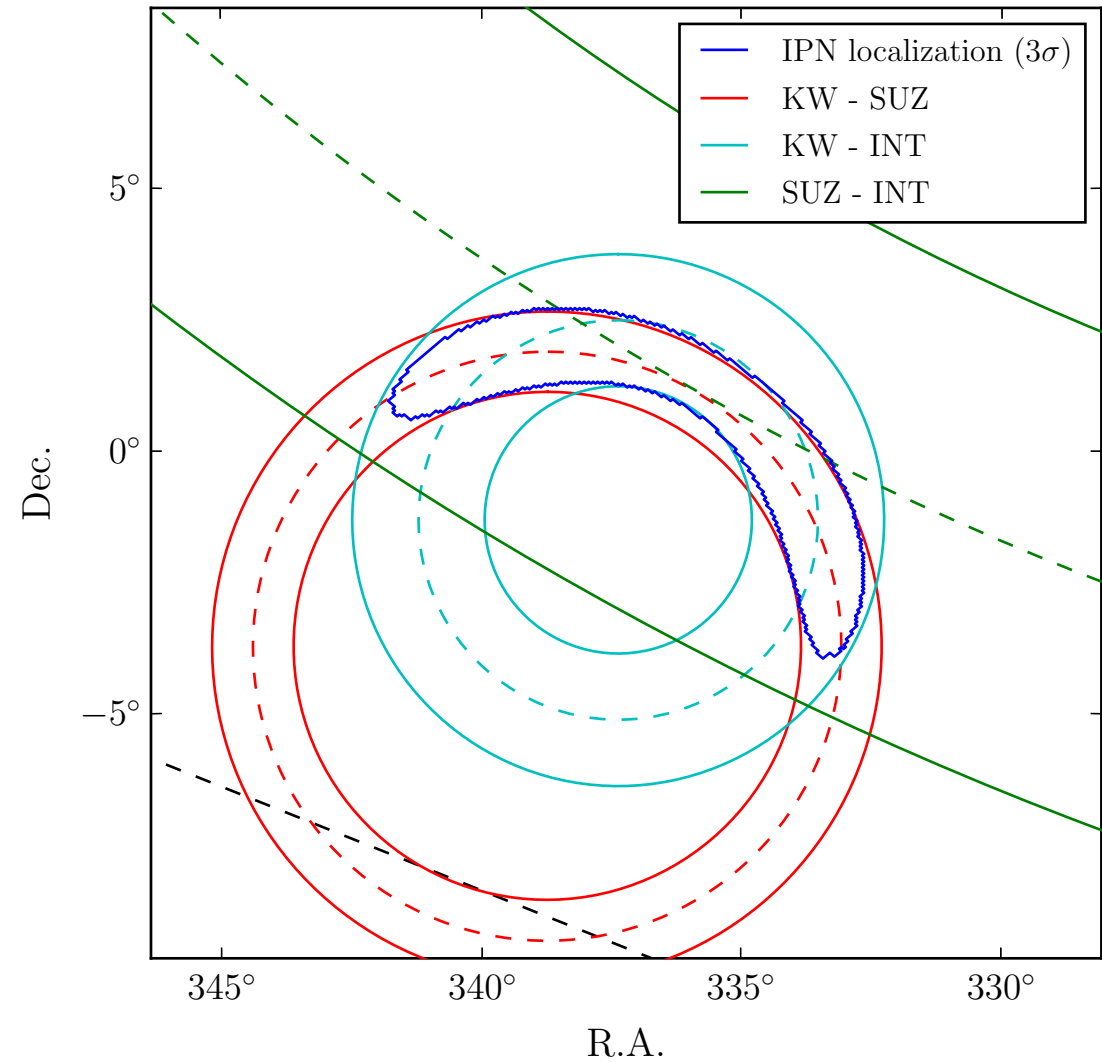
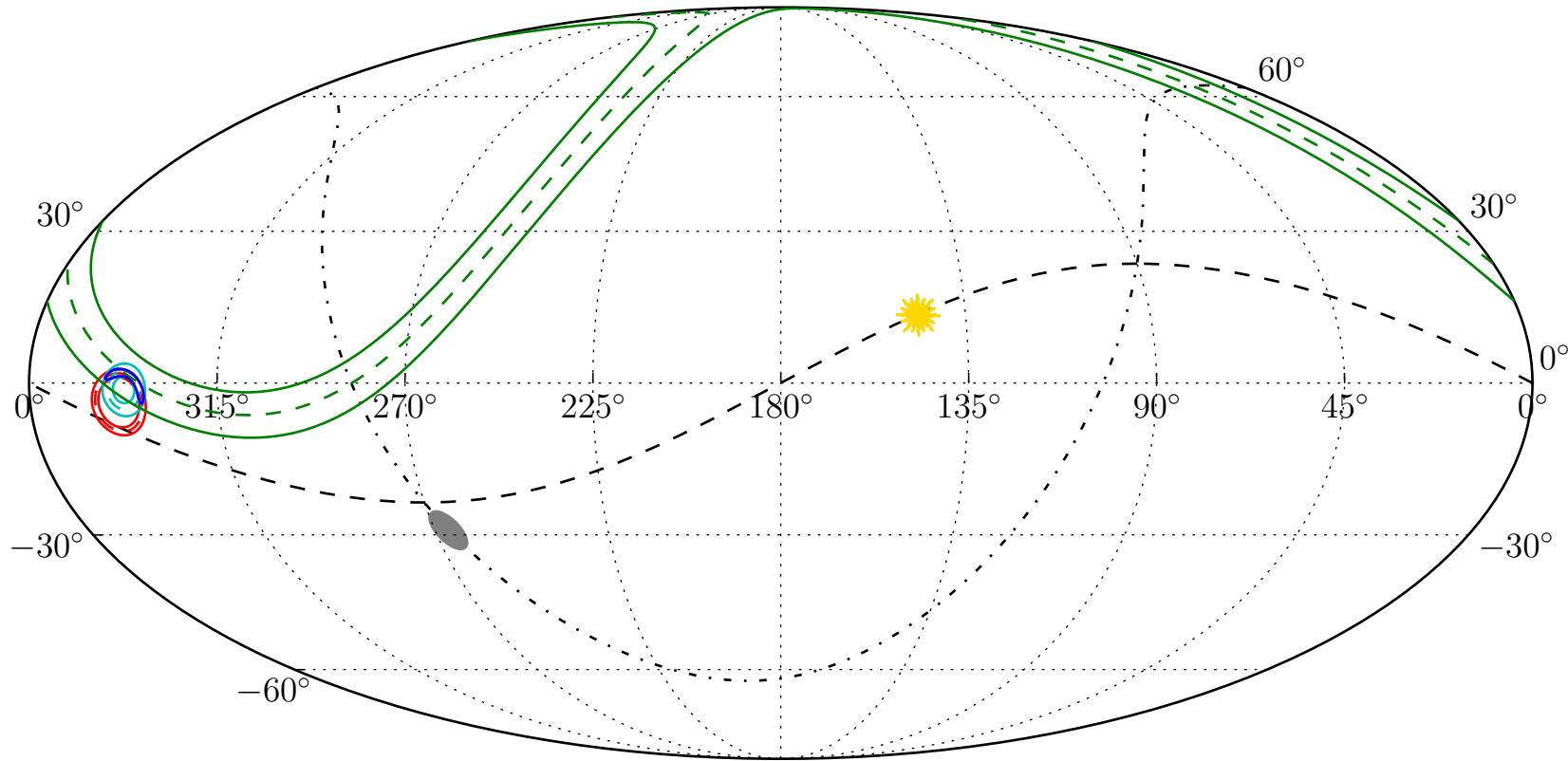
# GRB120811B (2012-08-11 T<sub>0</sub>=1231.575 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	303.0548	-17.3986	89.5455	0.1463
KW - MO	20.3849	8.8337	46.4660	0.0369
KW - FER	328.5606	-7.3628	73.5230	0.1644

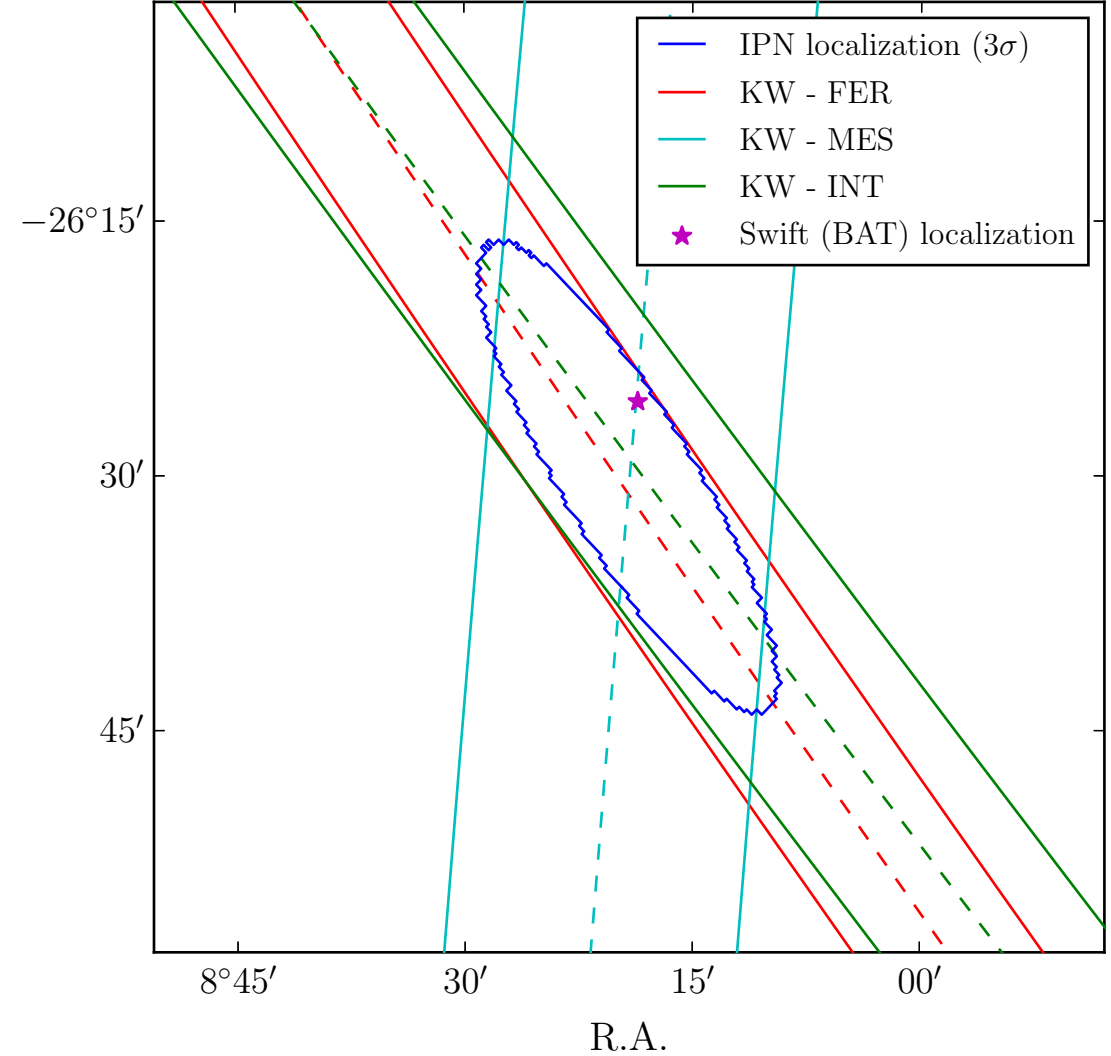
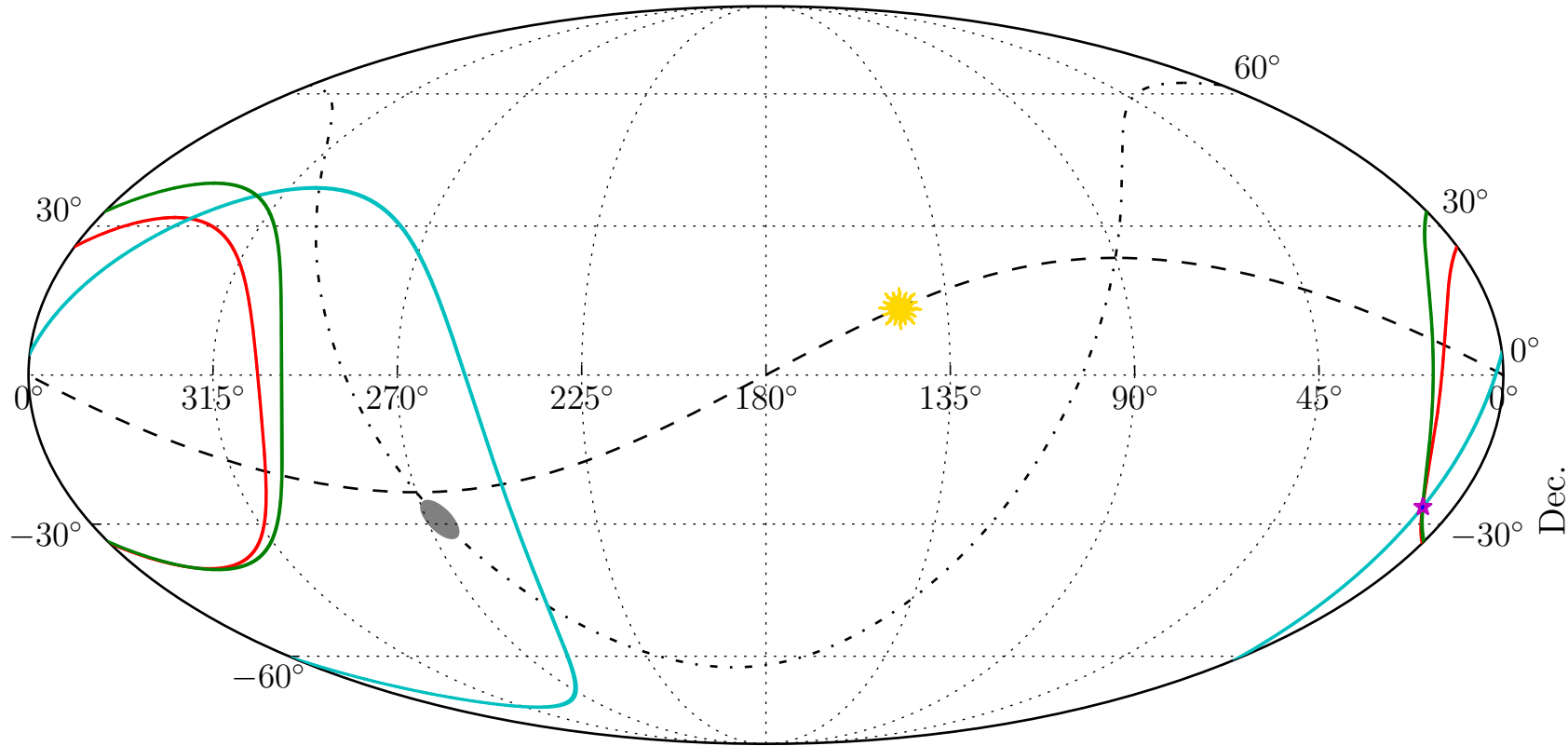
# GRB120816B (2012-08-16 $T_0=86298.852$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SUZ	338.7284	-3.7343	5.6551	0.7741
KW - INT	337.3674	-1.3259	3.8537	1.2728
SUZ - INT	308.1802	40.1900	46.4102	4.4181

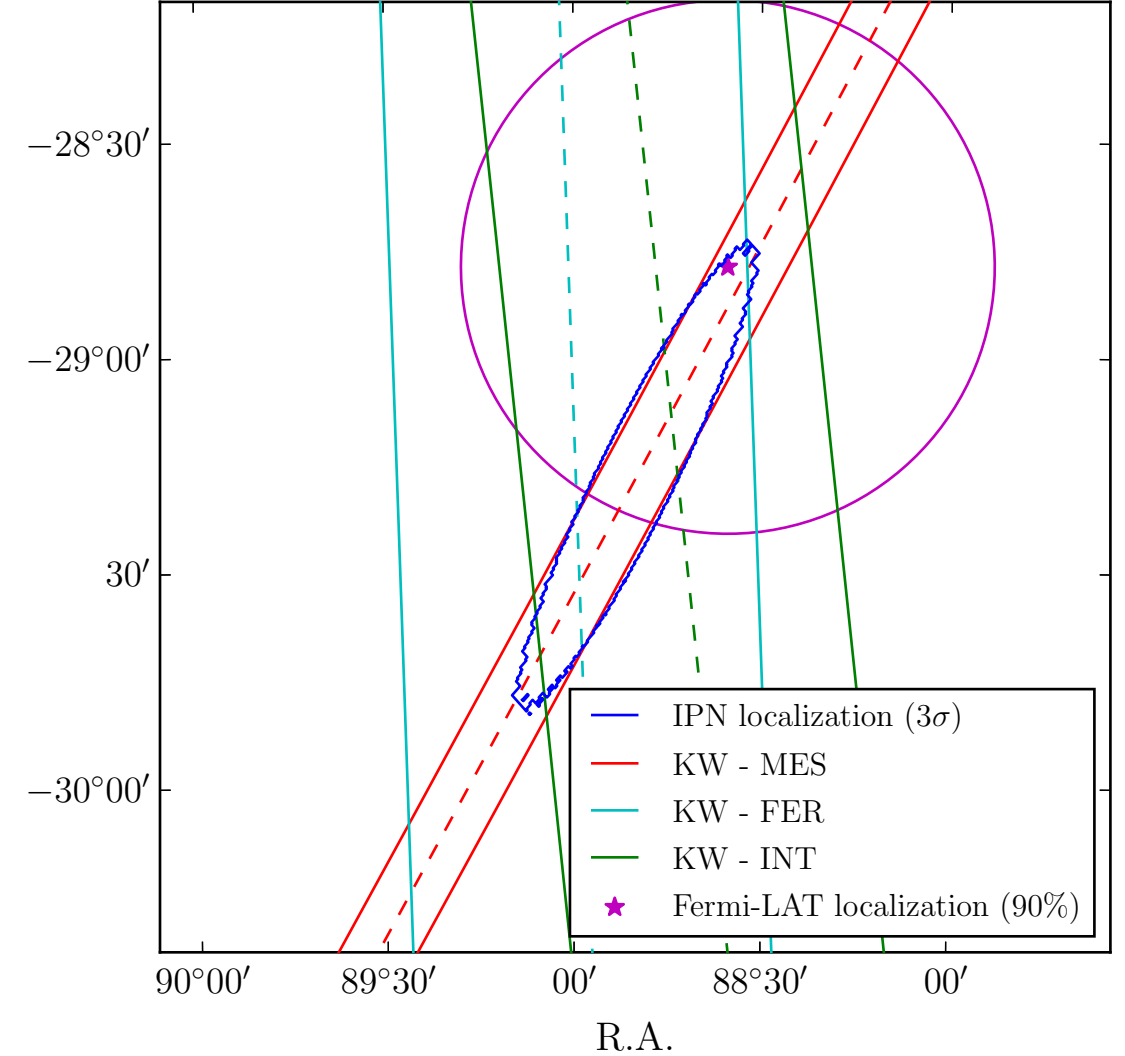
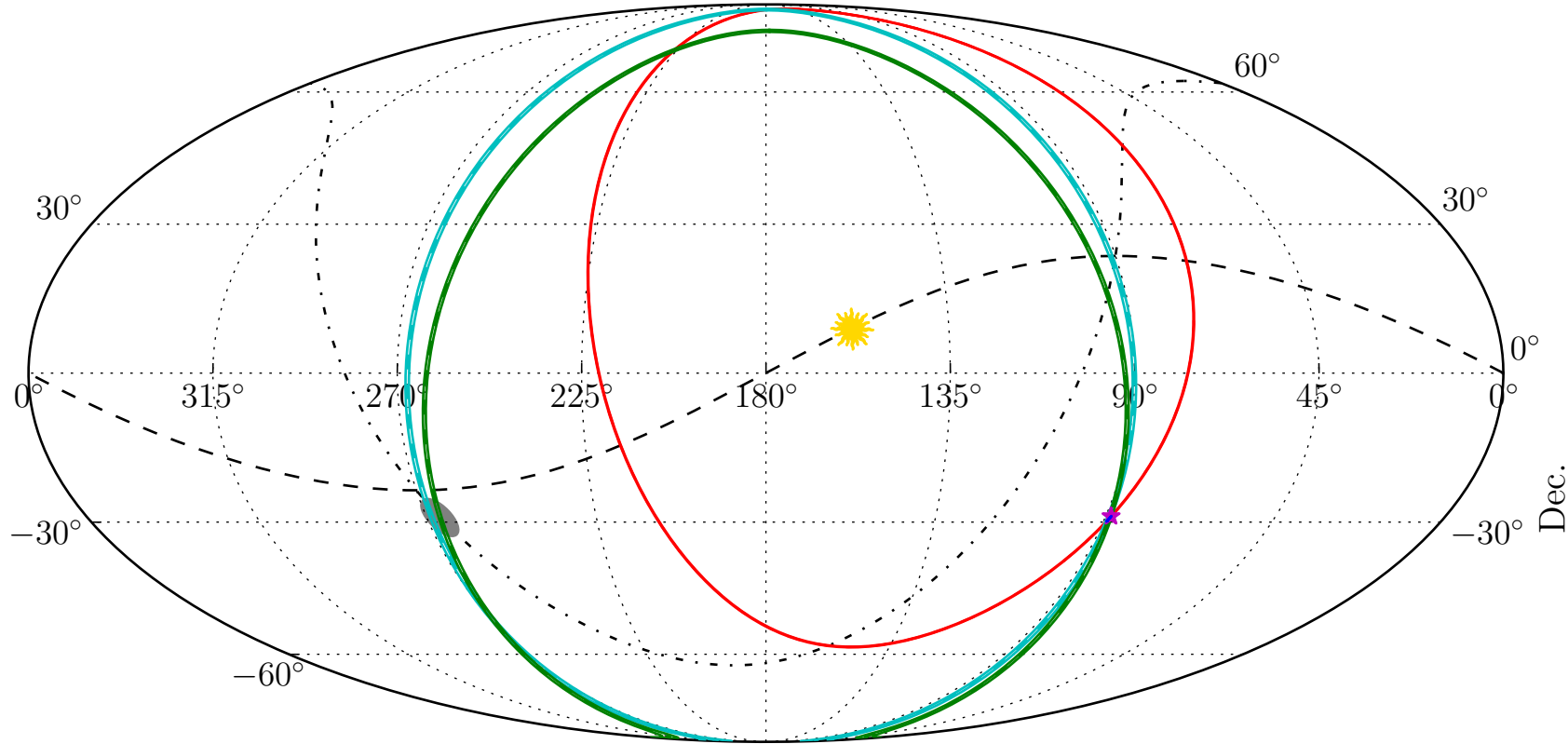
# GRB120817B (2012-08-17 T<sub>0</sub>=14553.388 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	339.5285	-3.8628	35.6623	0.0762
KW - MES	307.6800	-18.1166	56.2347	0.1432
KW - INT	337.6751	-0.2911	39.4373	0.0953

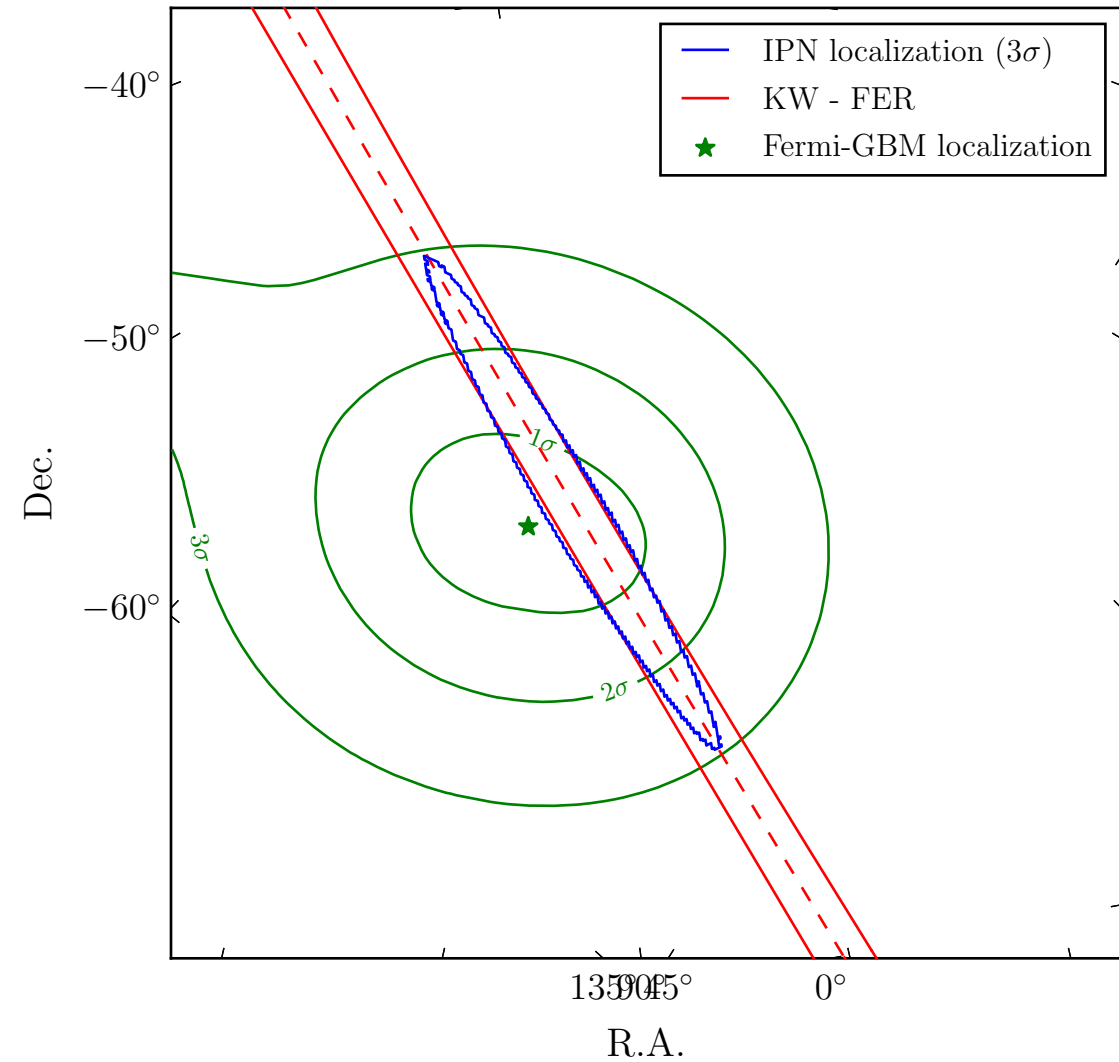
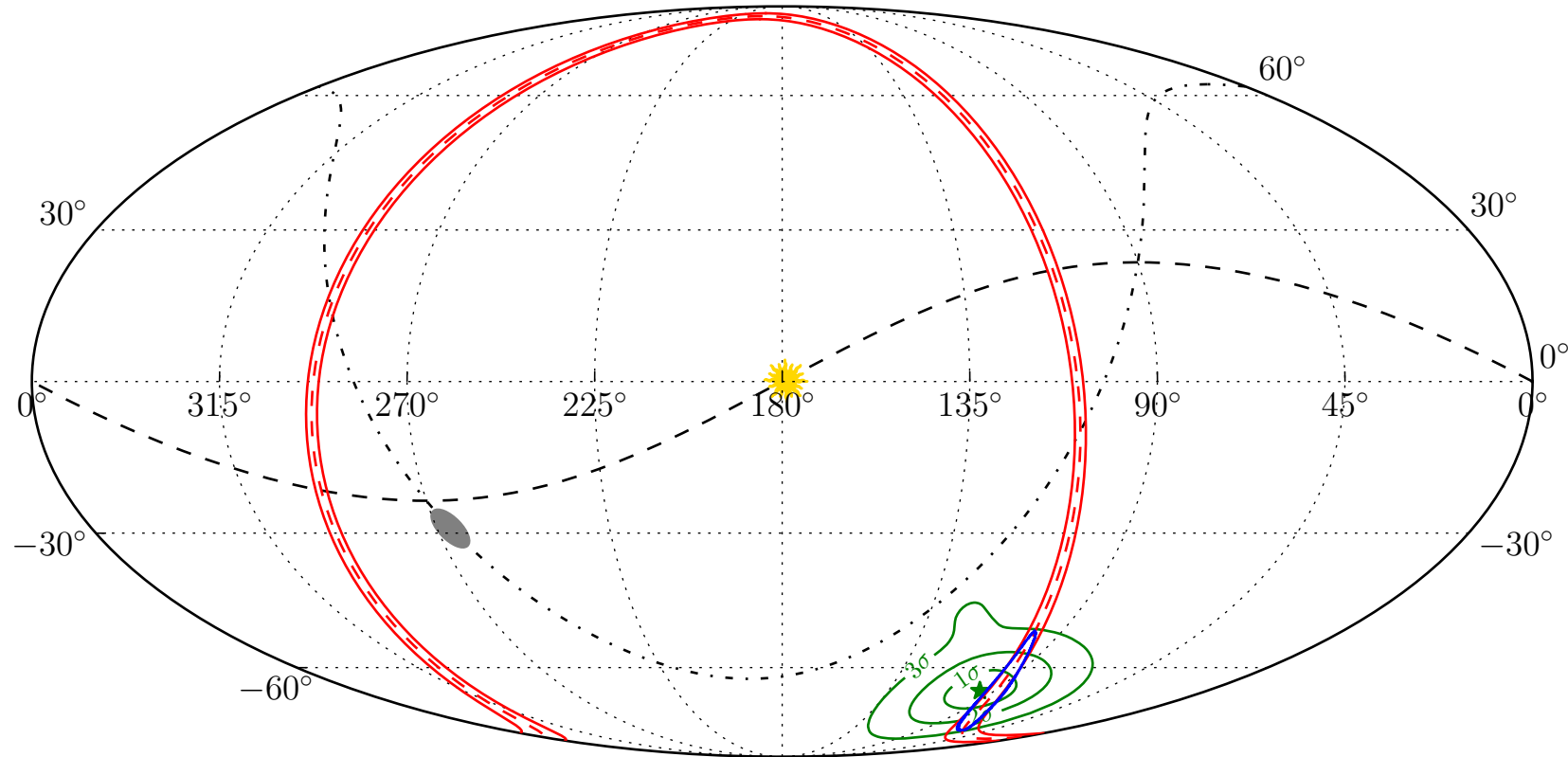
# GRB120830A (2012-08-30 $T_0=25623.562$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	148.8904	14.3114	72.4850	0.0805
KW - FER	178.8141	-2.3066	88.7158	0.4153
KW - INT	177.5840	-7.5785	85.3155	0.3611

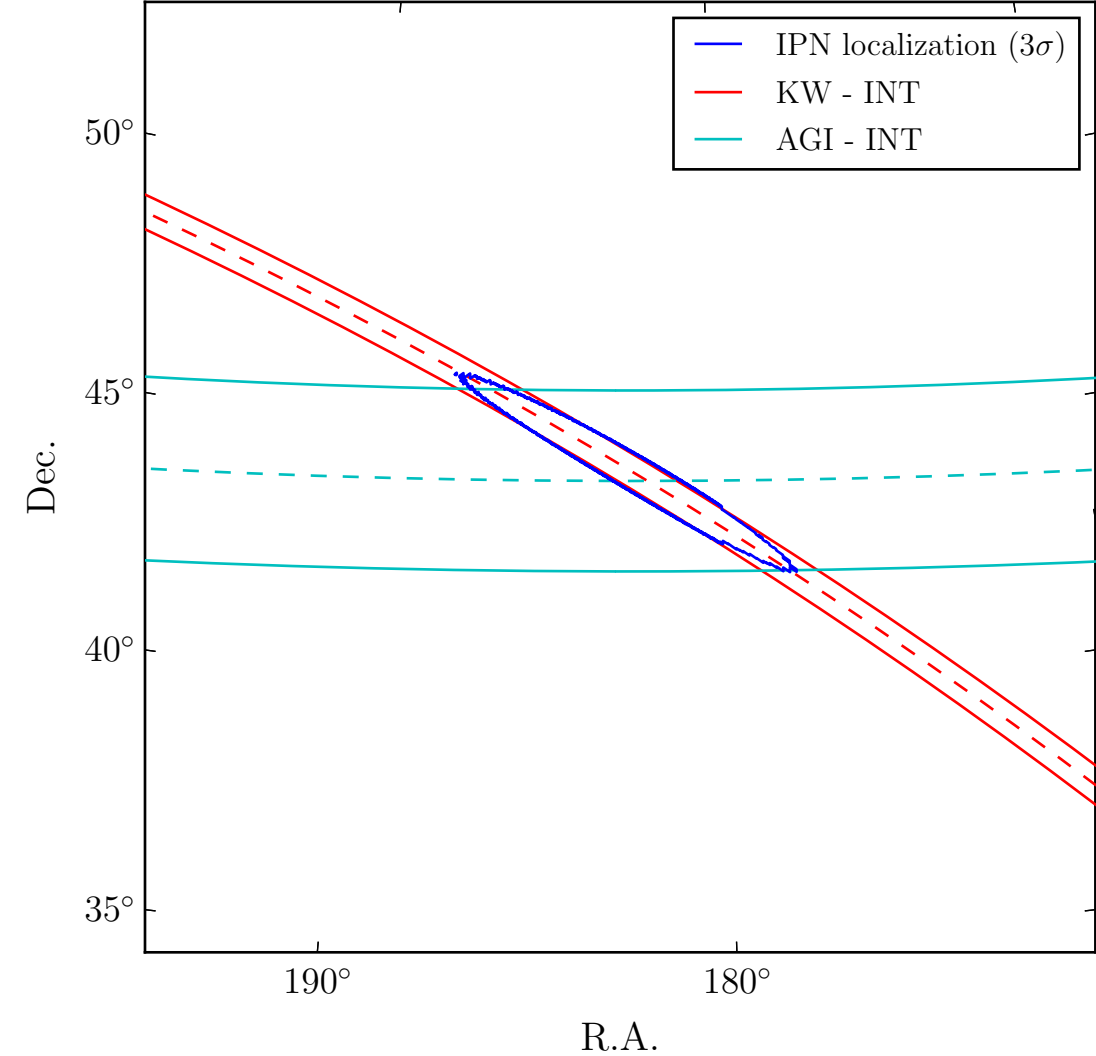
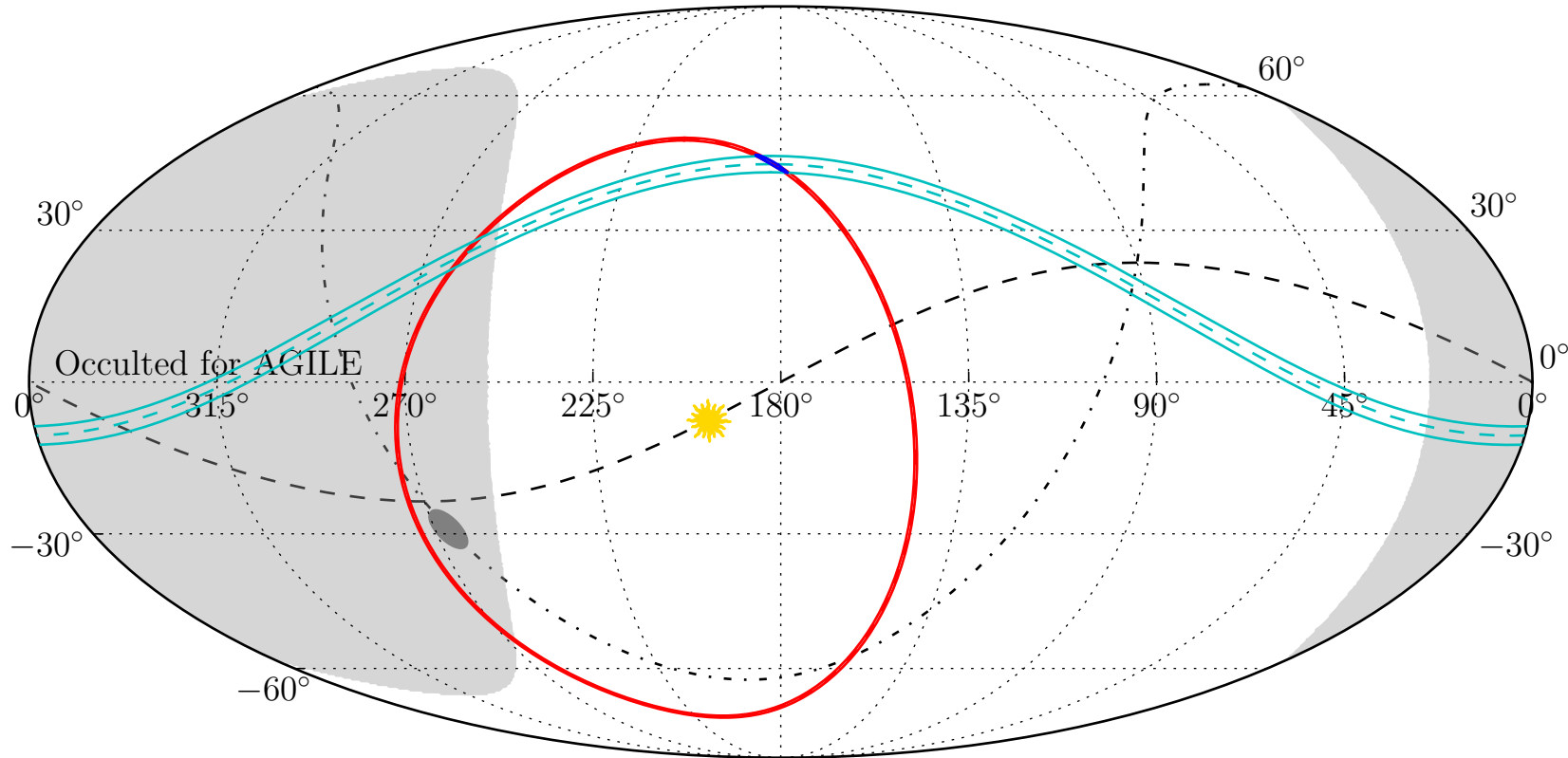
# GRB120921A (2012-09-21 T<sub>0</sub>=75784.073 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	20.8056	7.4105	88.3270	1.2953

# GRB121011B (2012-10-11 T<sub>0</sub>=81140.083 s, UT)

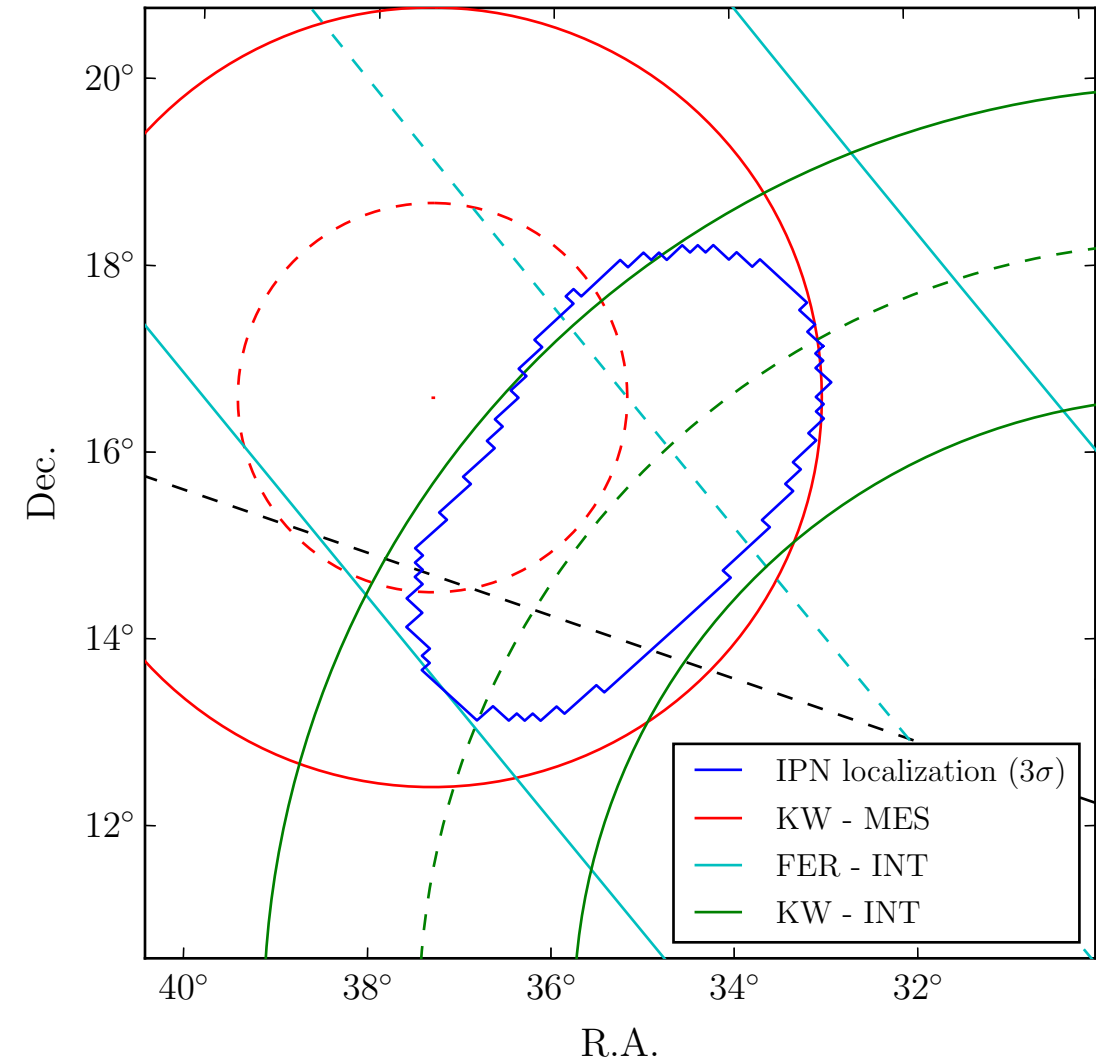
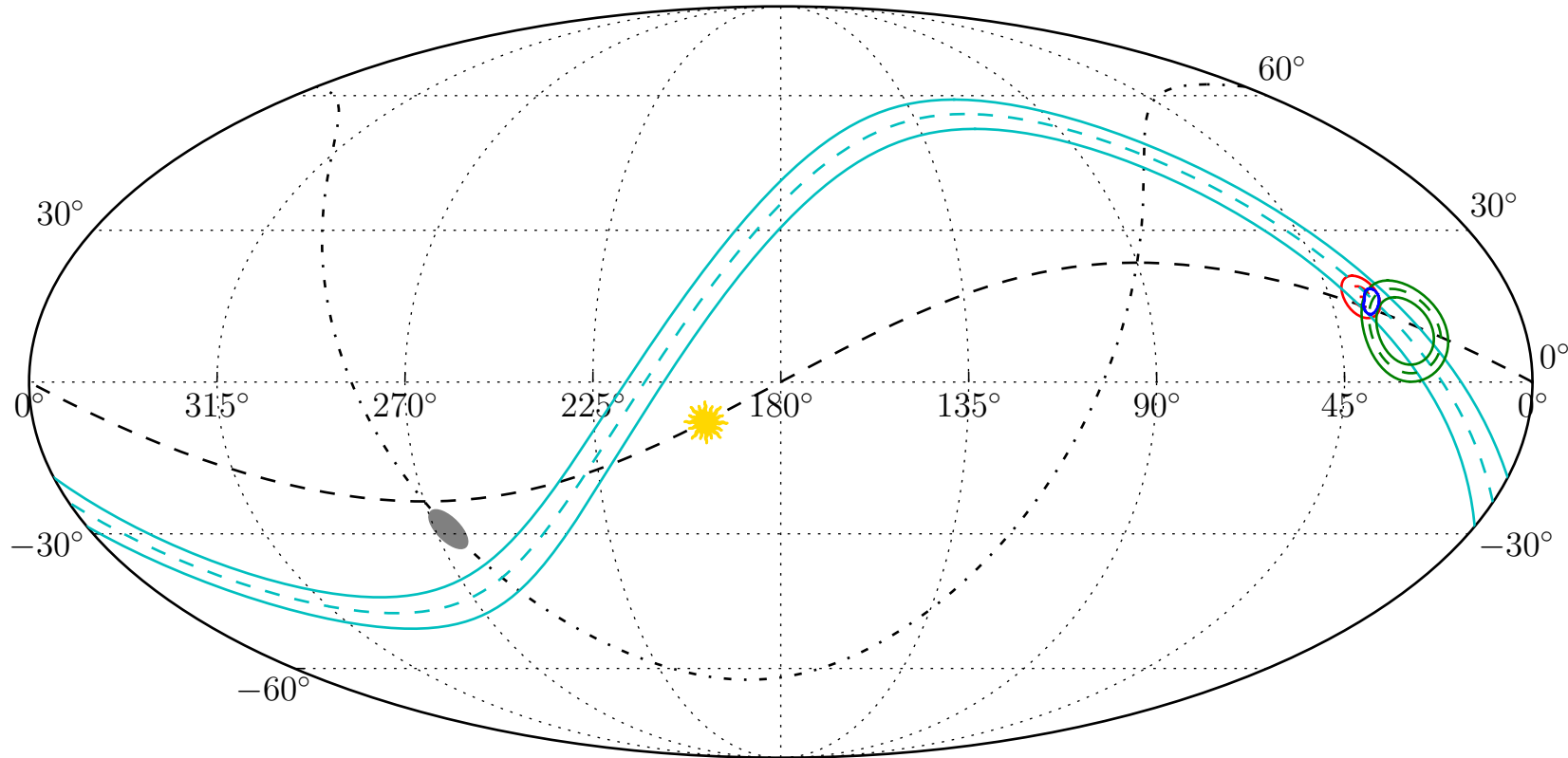


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	210.2185	-11.7957	61.4165	0.3074
AGI - INT	2.9437	62.7730	73.2084	1.8035



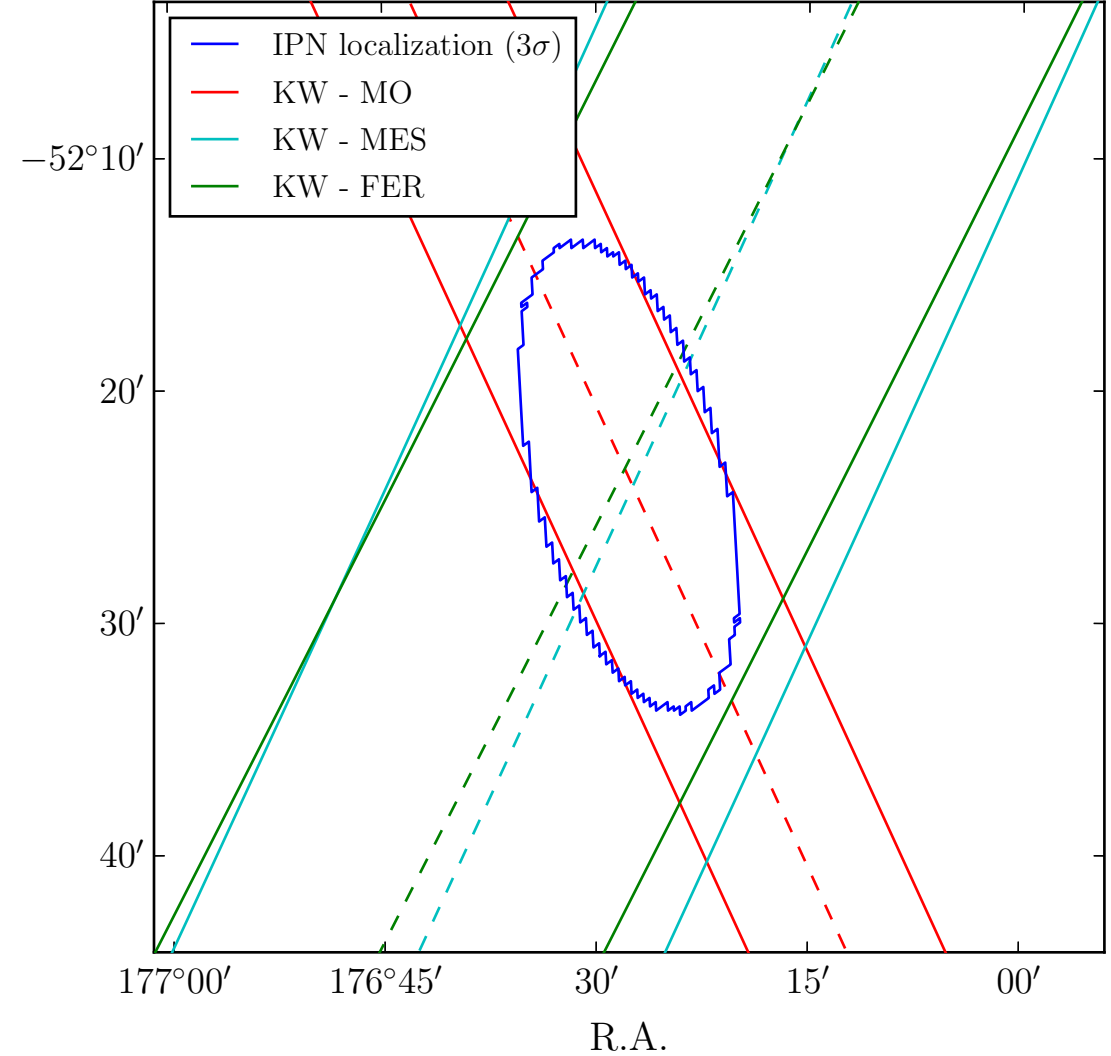
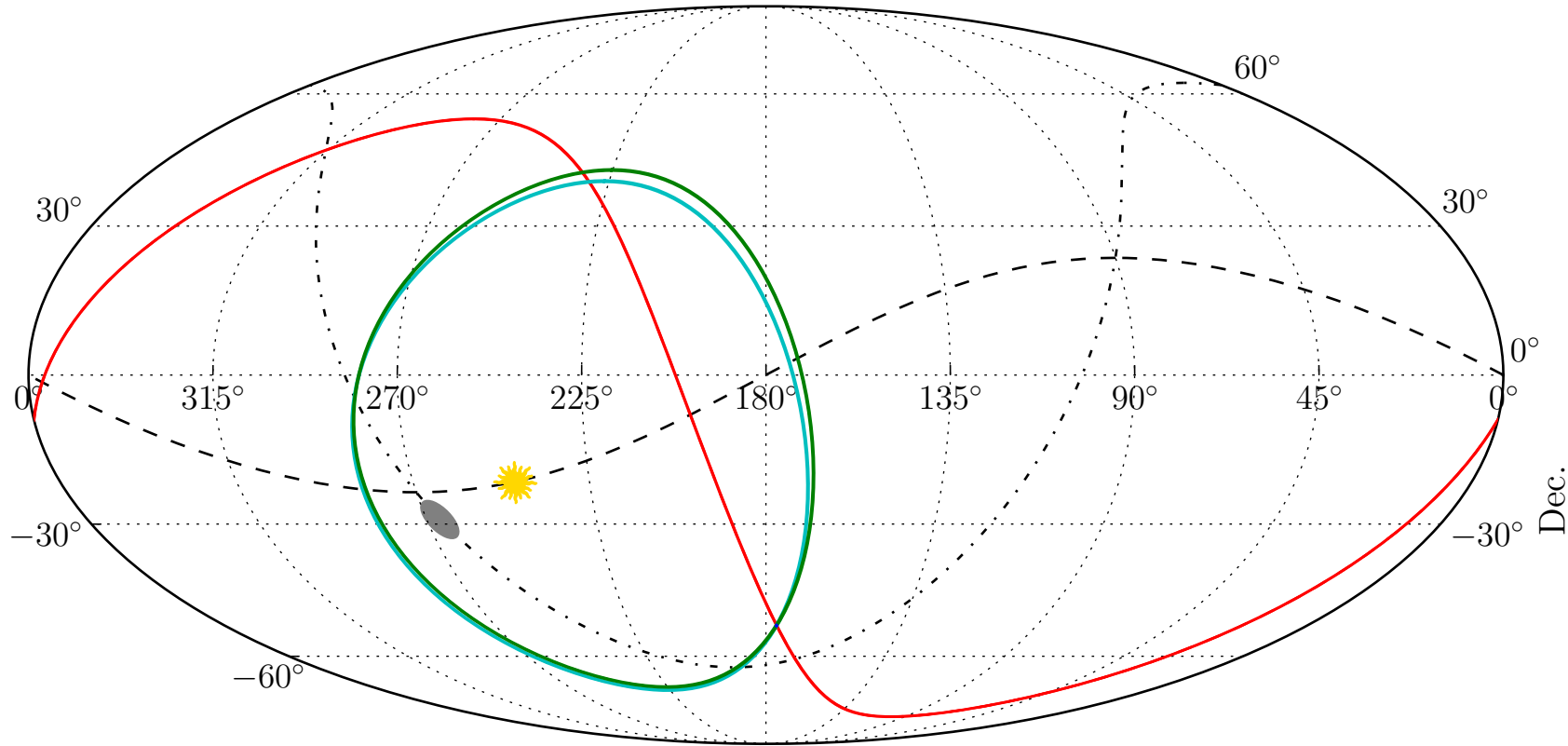
# GRB121012A (2012-10-12 $T_0=62541.924$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	37.3490	16.6385	2.0932	2.0932
FER - INT	297.0872	38.7789	85.7246	3.5230
KW - INT	29.0517	9.9657	8.2540	1.6597

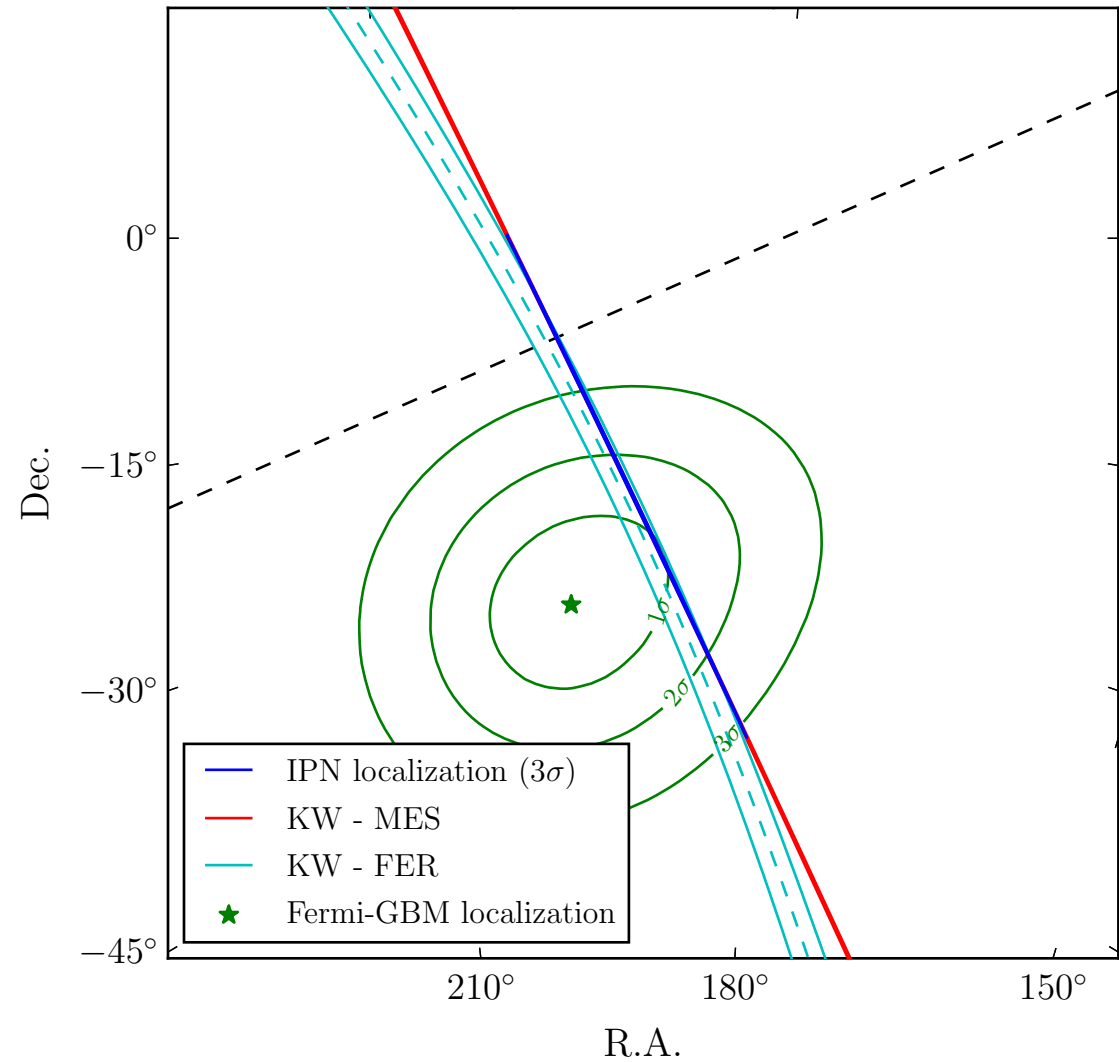
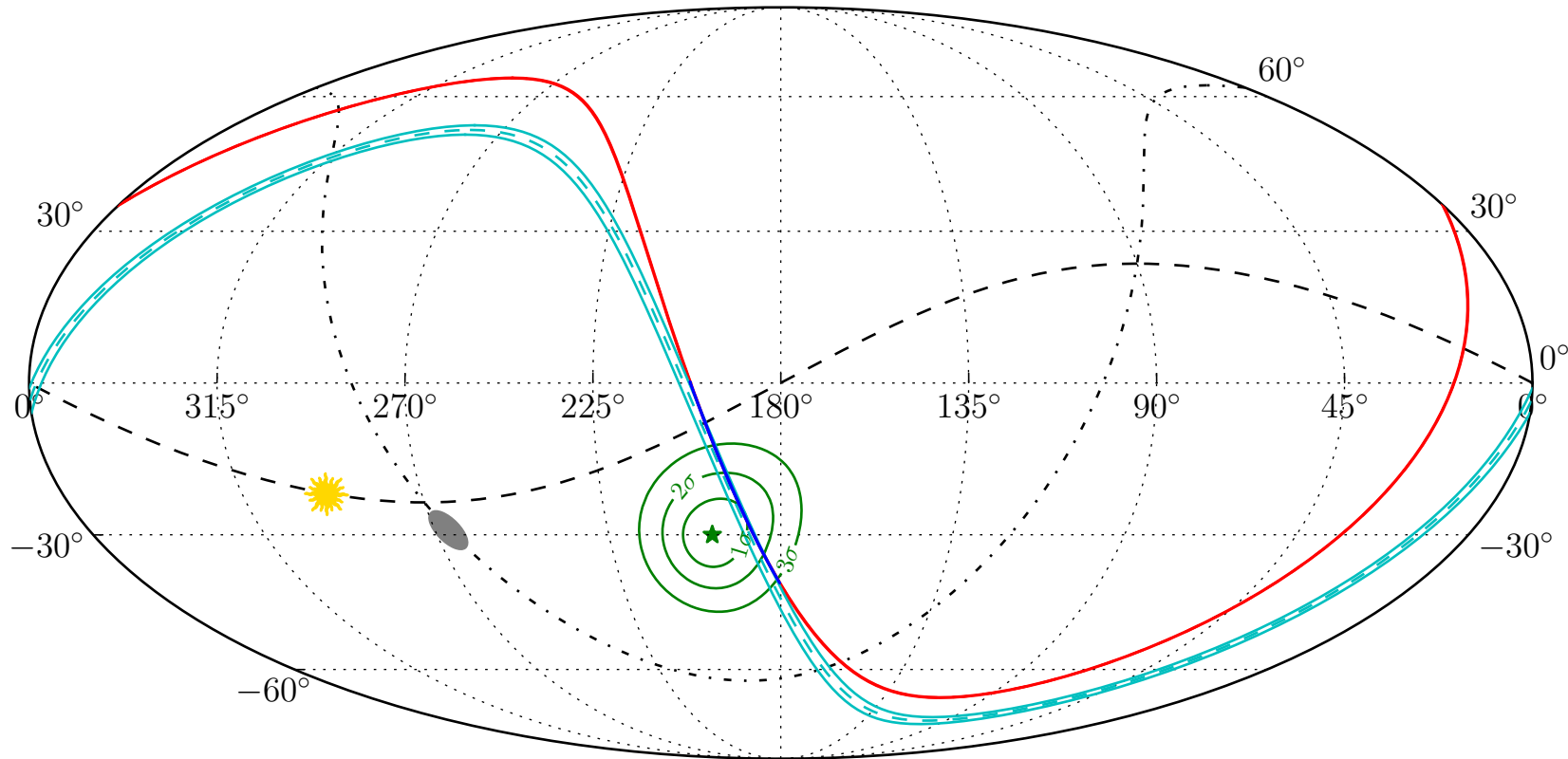
# GRB121127A (2012-11-27 $T_0=78957.290$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	279.0660	-24.3466	78.1533	0.0643
KW - MES	226.3639	-14.7992	54.3893	0.1605
KW - FER	225.2856	-13.1278	55.1625	0.1434

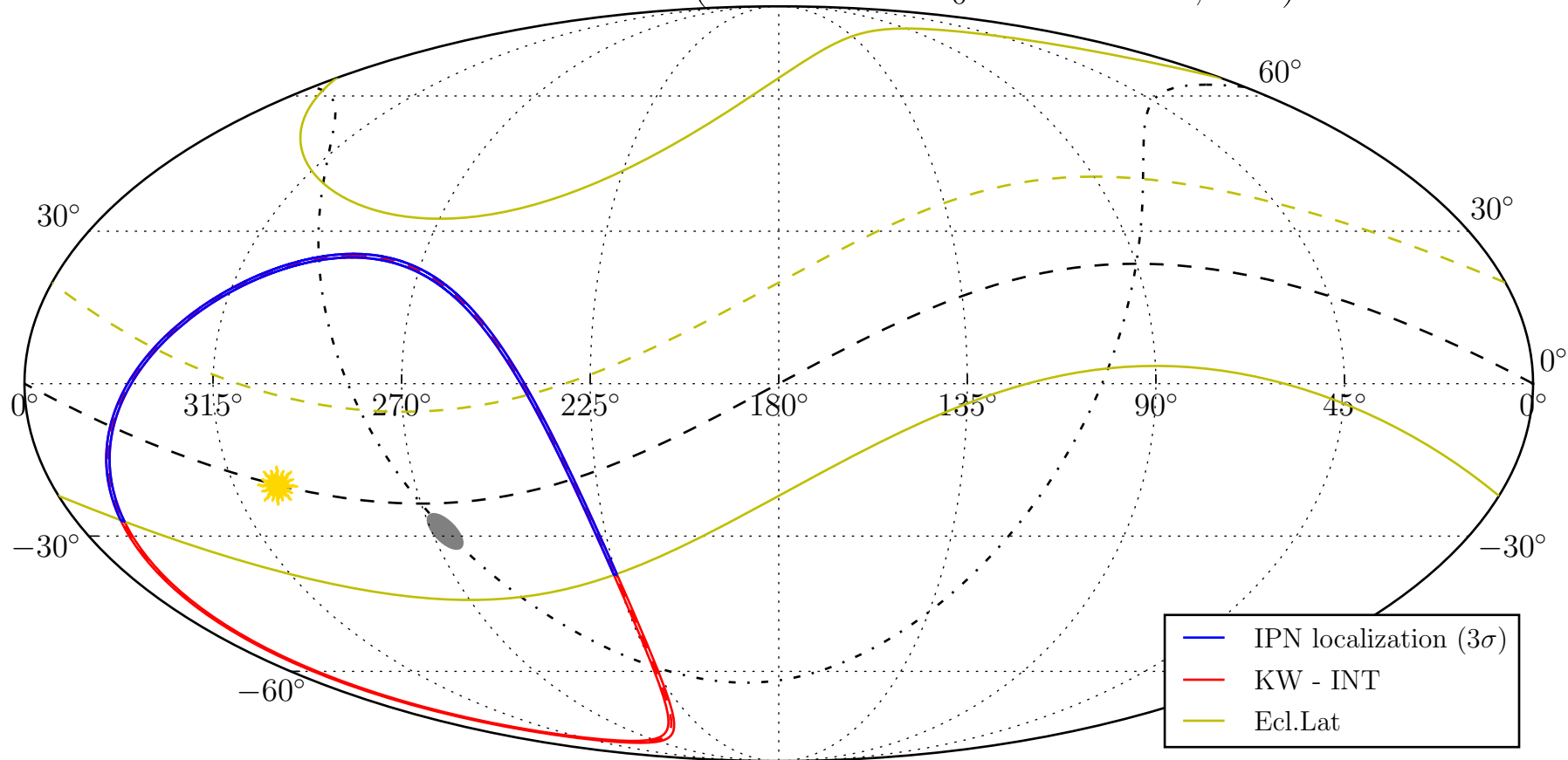
GRB20130112\_T30467 (2013-01-12 T<sub>0</sub>=30467.647 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	290.2158	-23.9021	88.7057	0.0777
KW - FER	280.7078	-26.9627	78.9125	1.0847

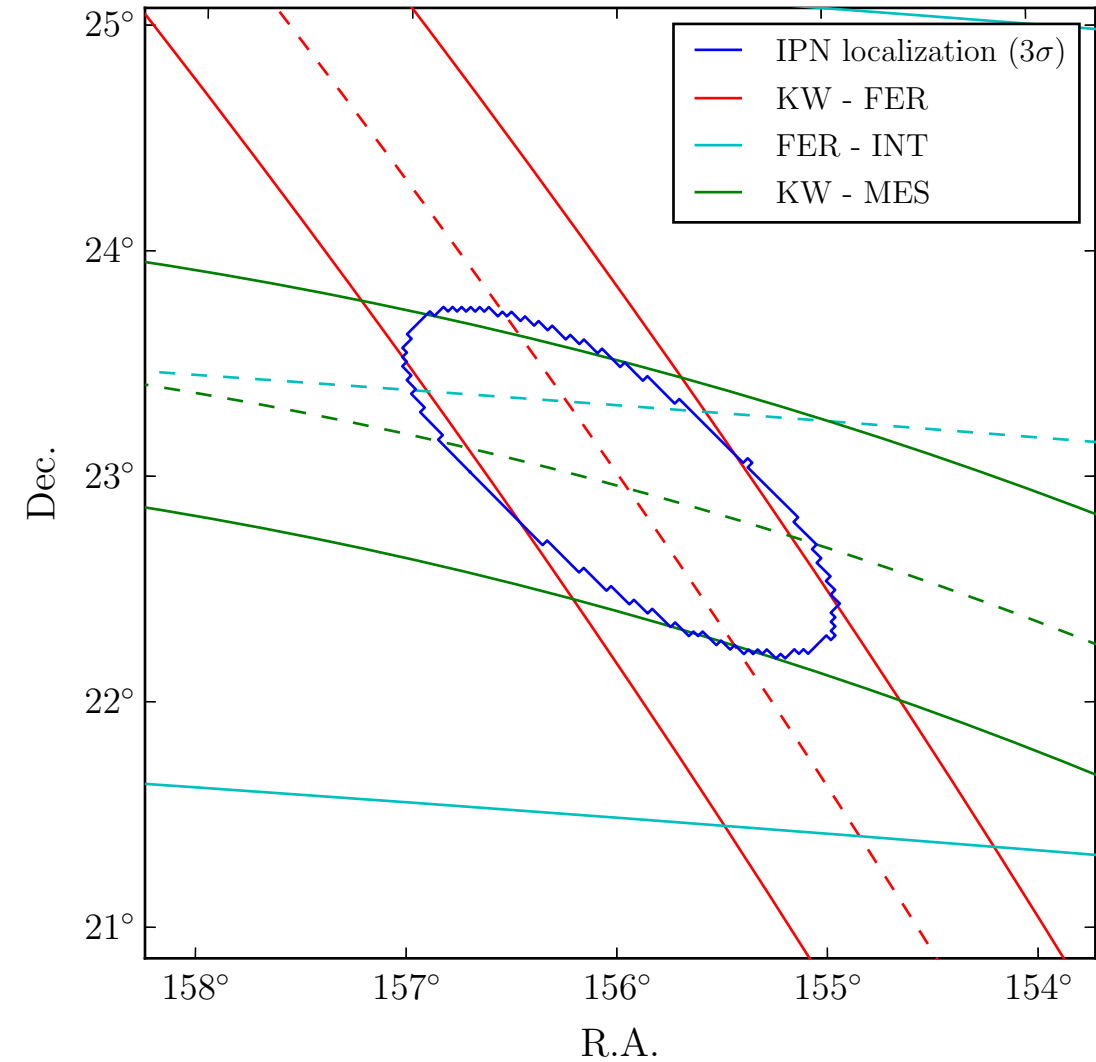
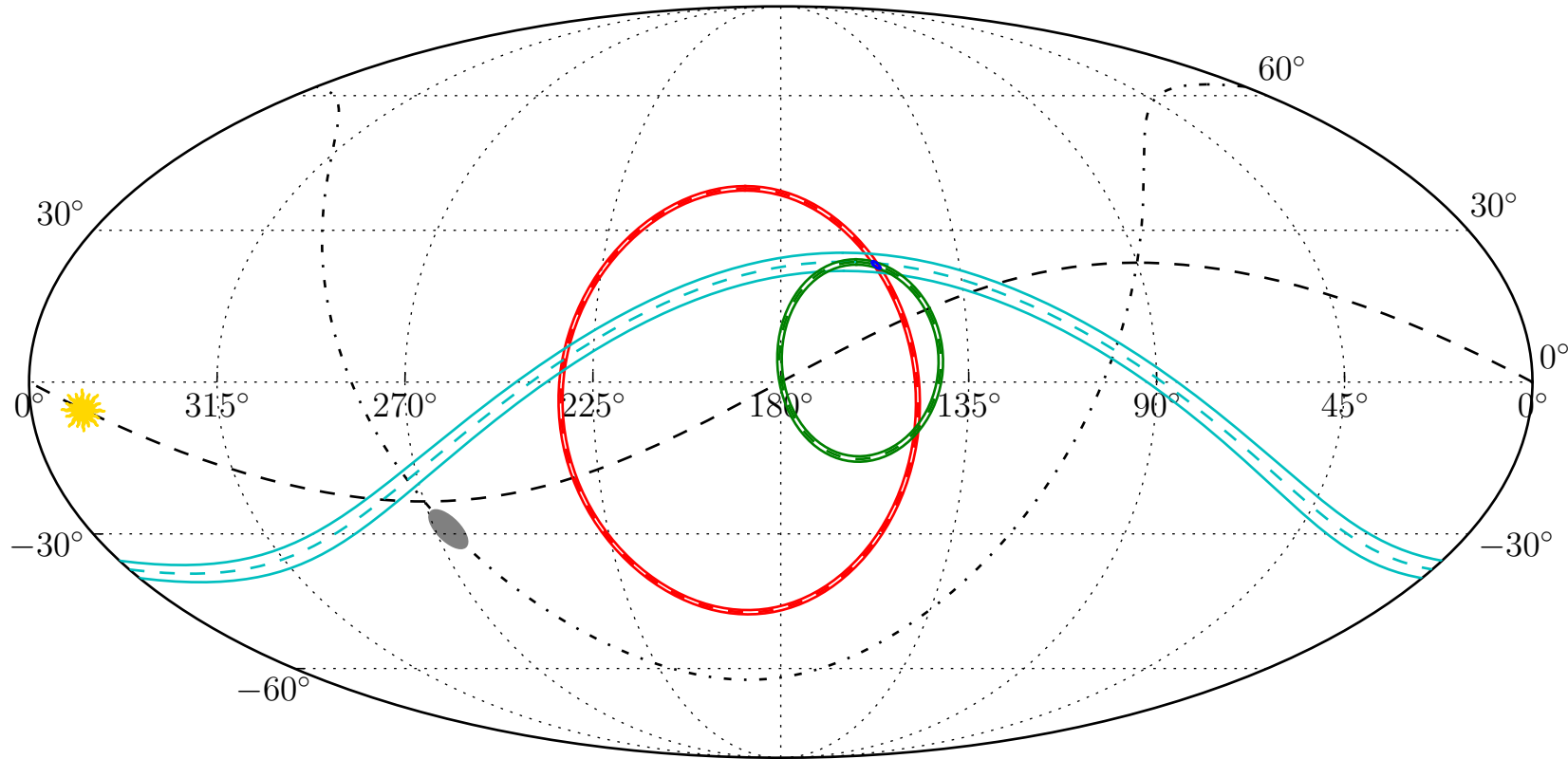
# GRB20130122\_T01669 (2013-01-22 T<sub>0</sub>=1669.665 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	288.0398	-27.7409	52.7954	0.3557
Ecl.Lat	270.0000	66.5610	72.0000	38.0000

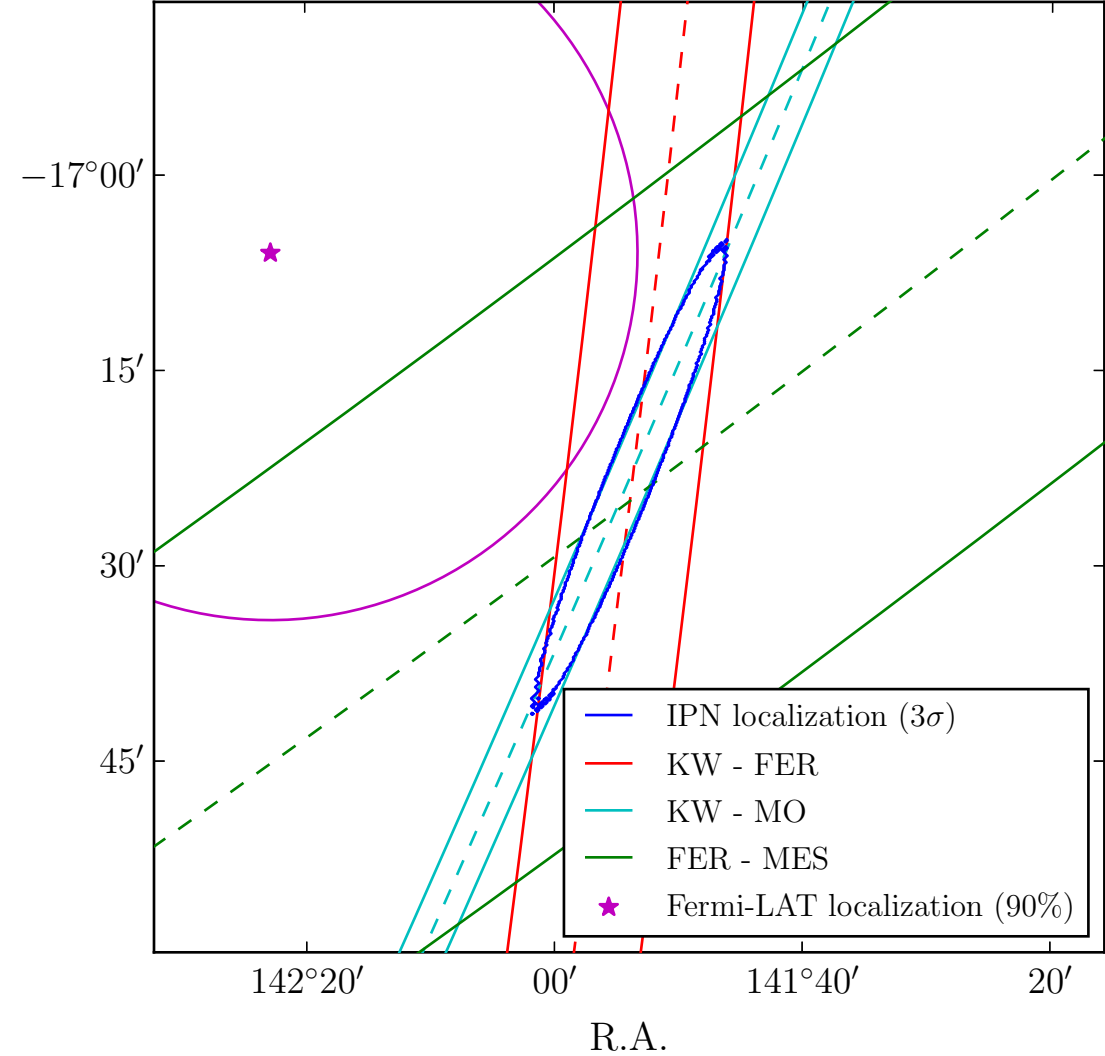
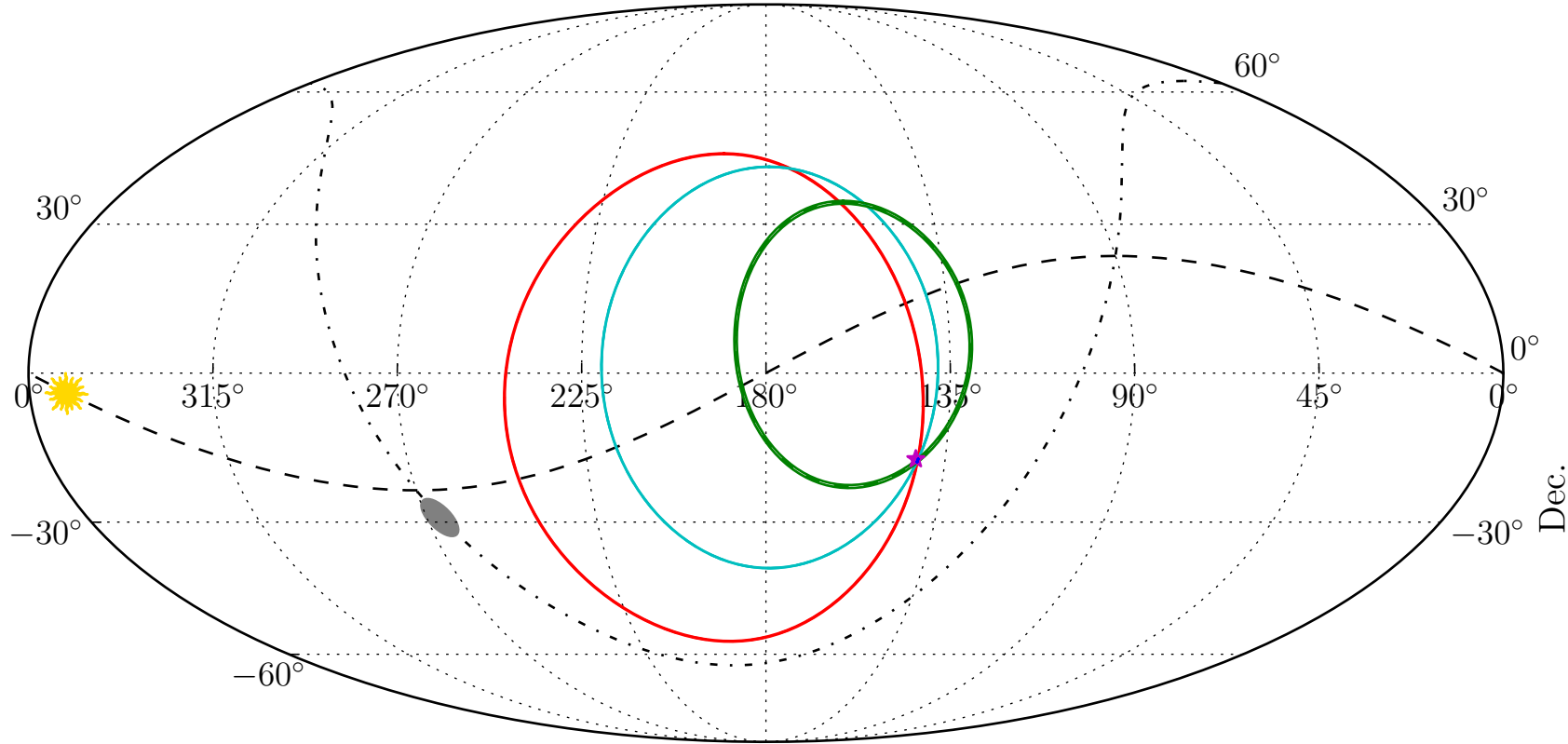
# GRB130307A (2013-03-07 $T_0=10908.398$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	189.9631	-3.9704	42.7459	0.4779
FER - INT	164.2064	-59.0359	82.6468	1.8256
KW - MES	160.9572	4.2863	19.2934	0.5376

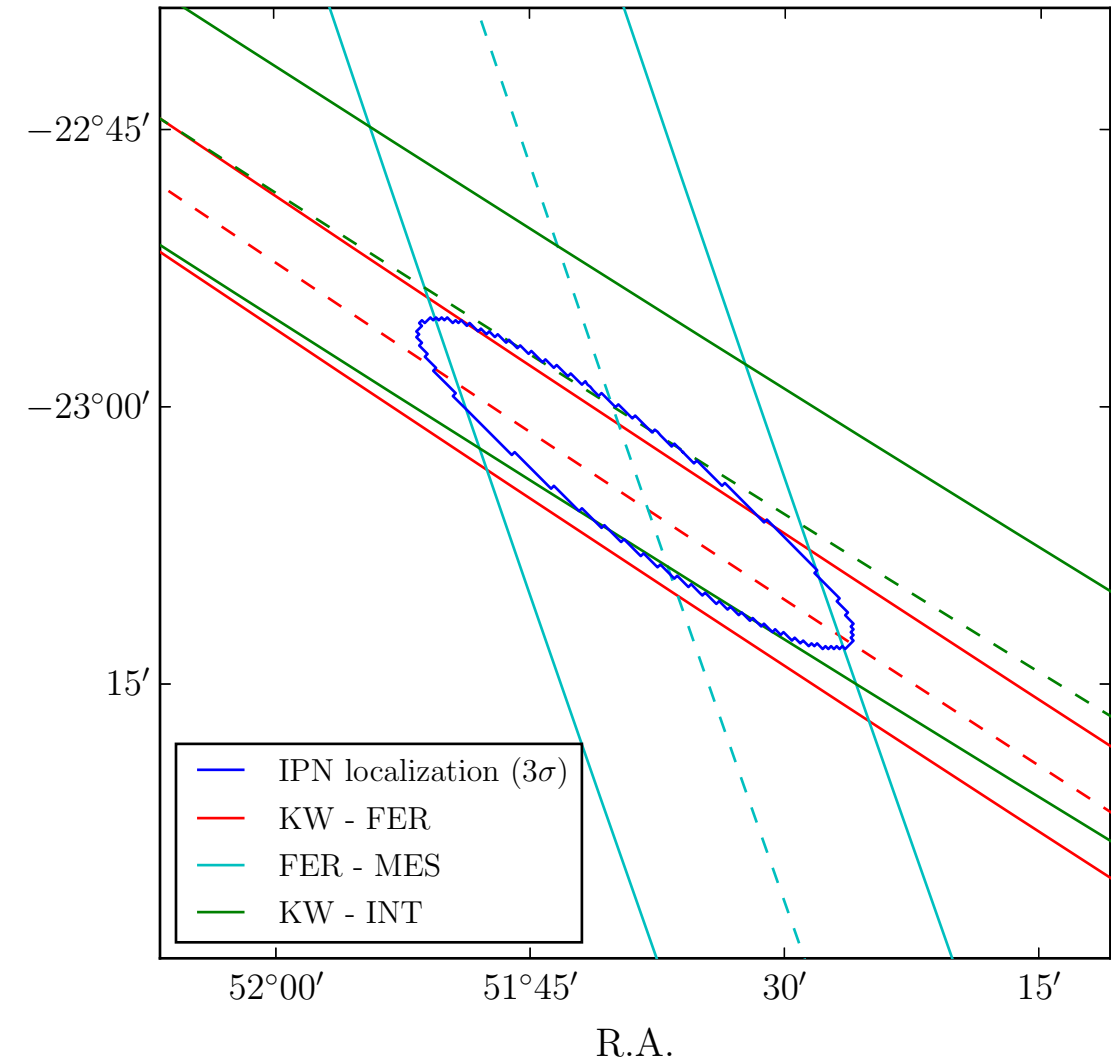
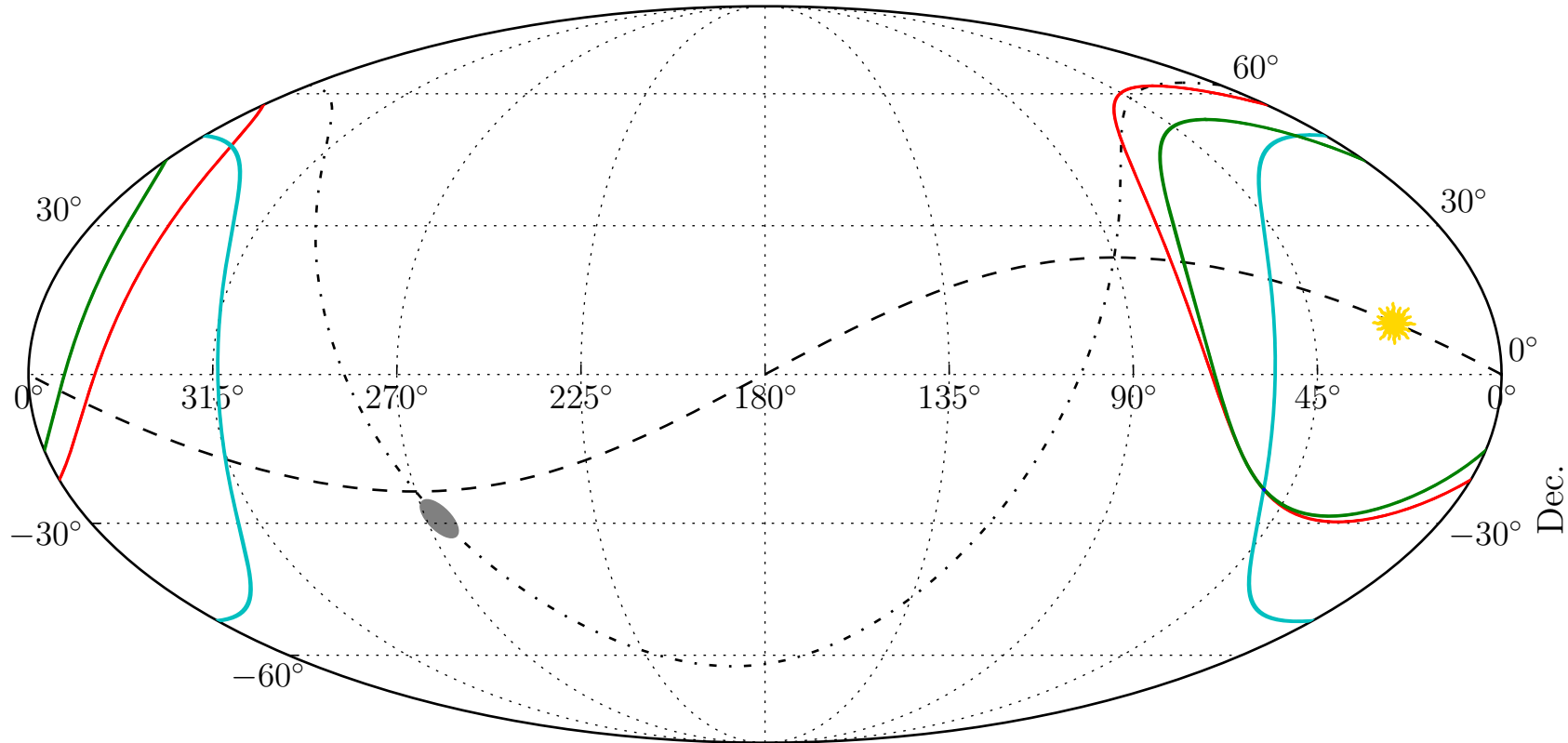
# GRB130310A (2013-03-10 $T_0=72588.897$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	192.7483	-5.7524	50.9961	0.0848
KW - MO	179.0615	1.2480	41.0783	0.0272
FER - MES	158.6302	5.9807	28.6474	0.3072

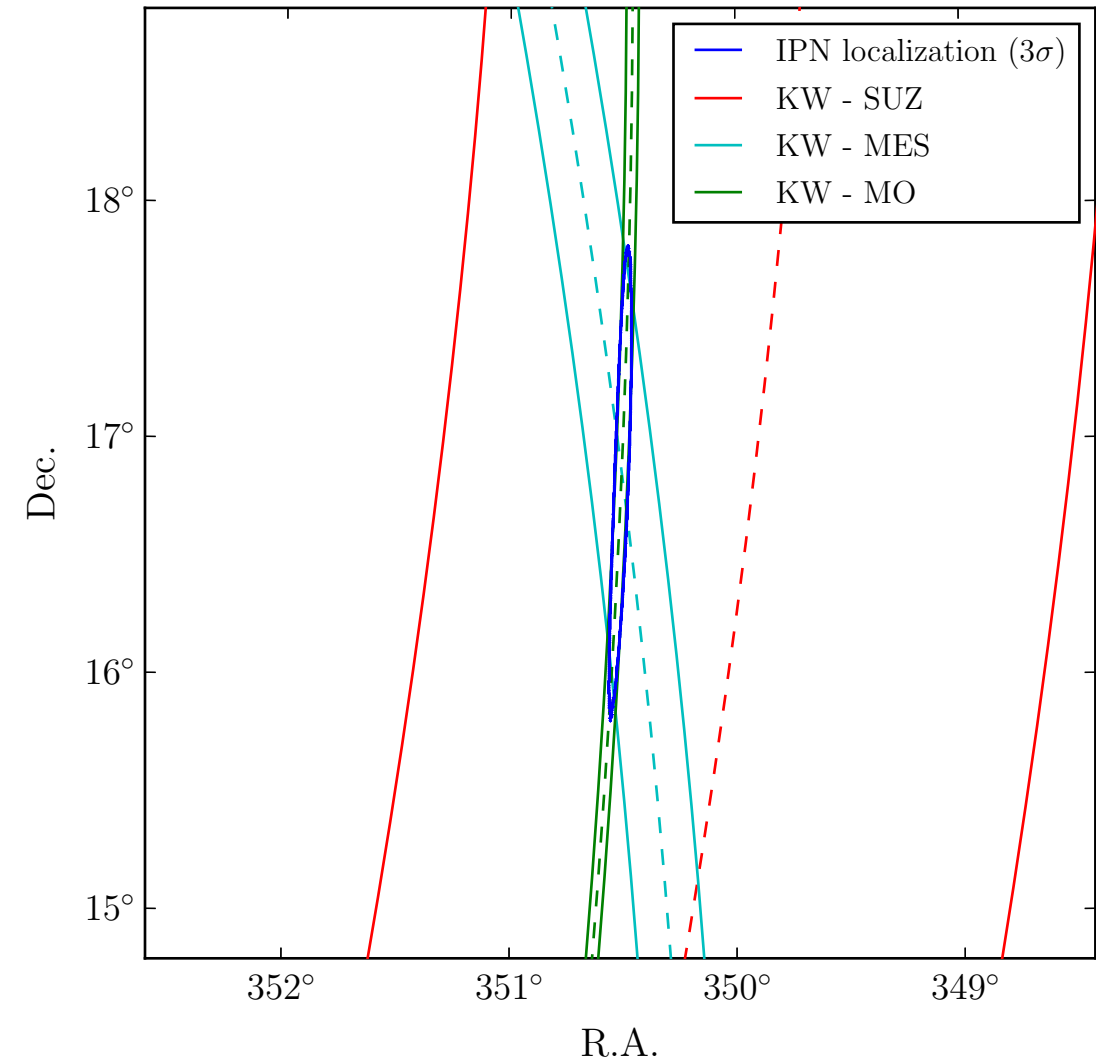
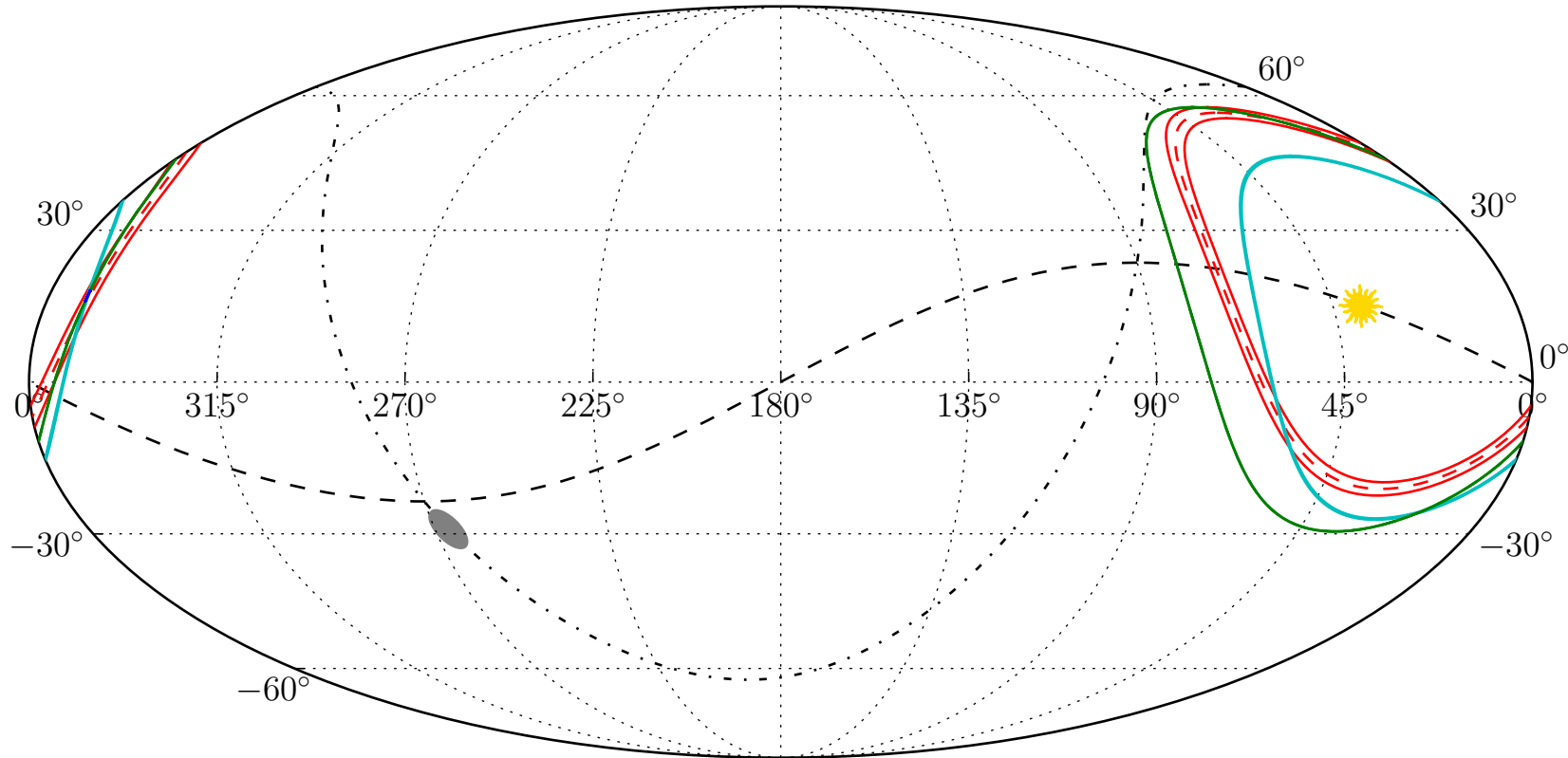
GRB20130416\_T66529 (2013-04-16  $T_0=66529.430$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	27.3497	16.1629	45.8817	0.0499
FER - MES	4.5262	-0.8746	50.8027	0.1257
KW - INT	30.6603	12.5465	41.0696	0.0959

GRB20130501\_T00827 (2013-05-01 T<sub>0</sub>=827.107 s, UT)

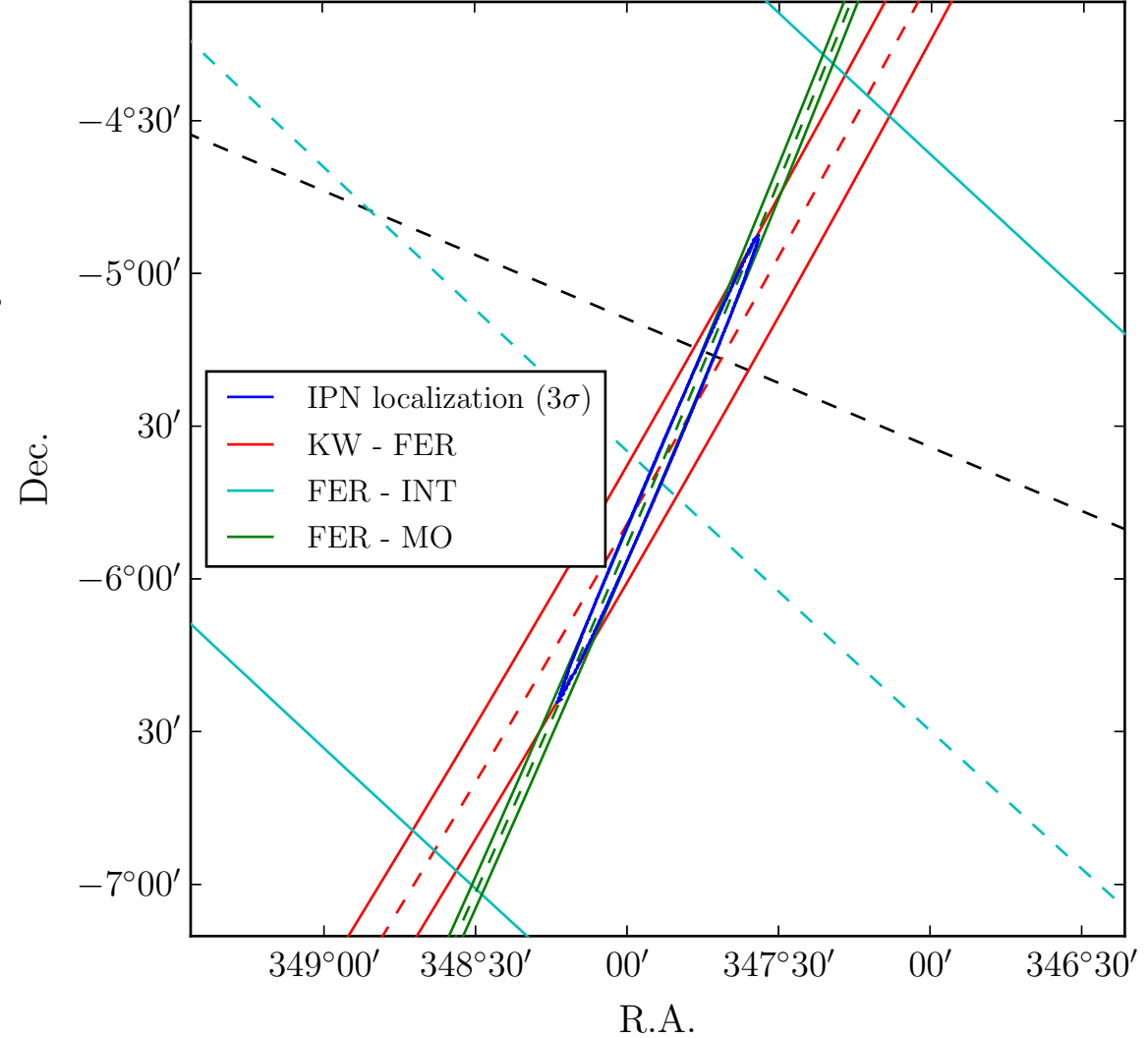
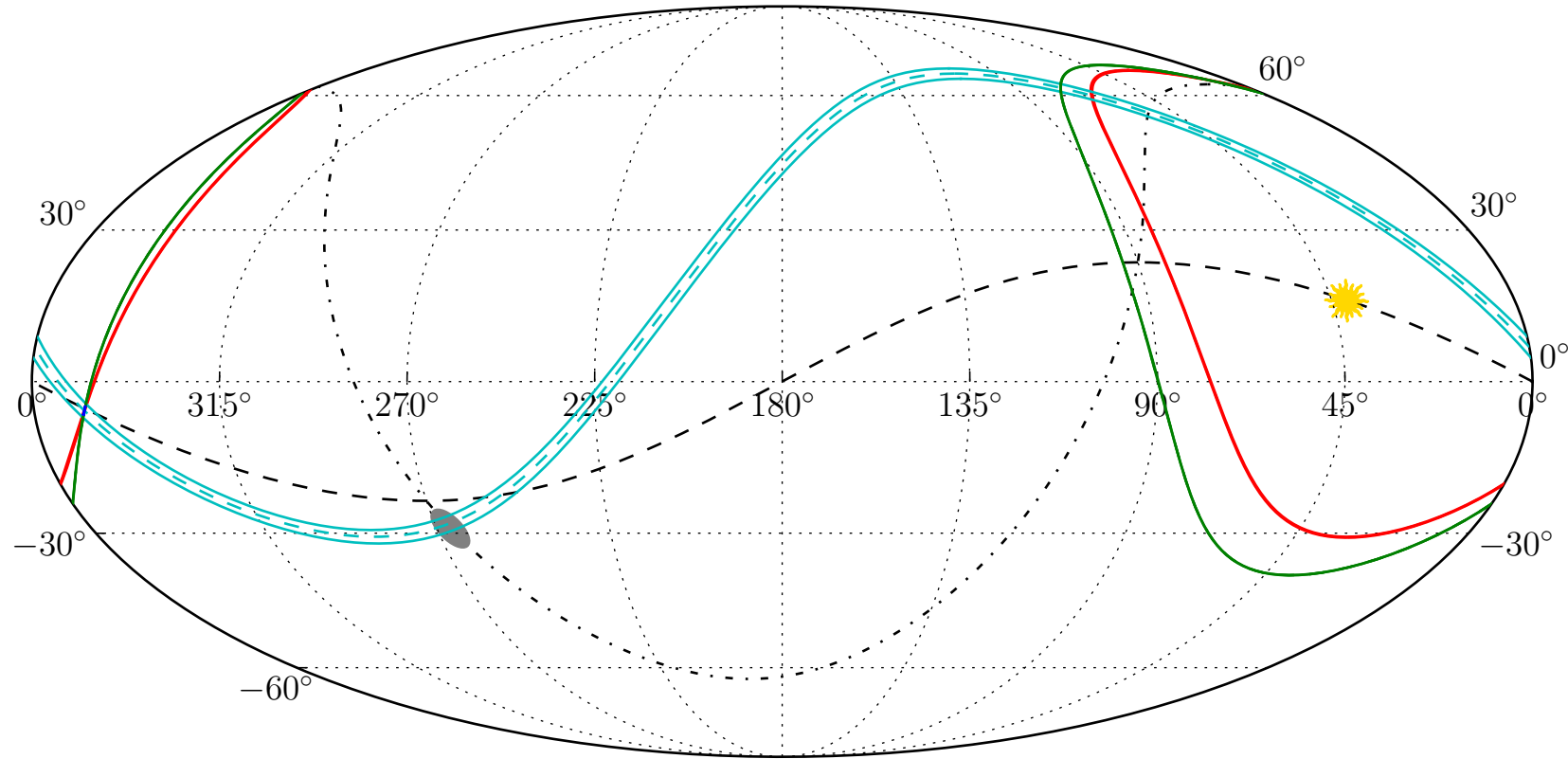


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SUZ	30.1435	17.4326	38.3706	1.3264
KW - MES	27.0992	9.3605	36.3591	0.1411
KW - MO	35.4020	13.7963	43.3191	0.0262



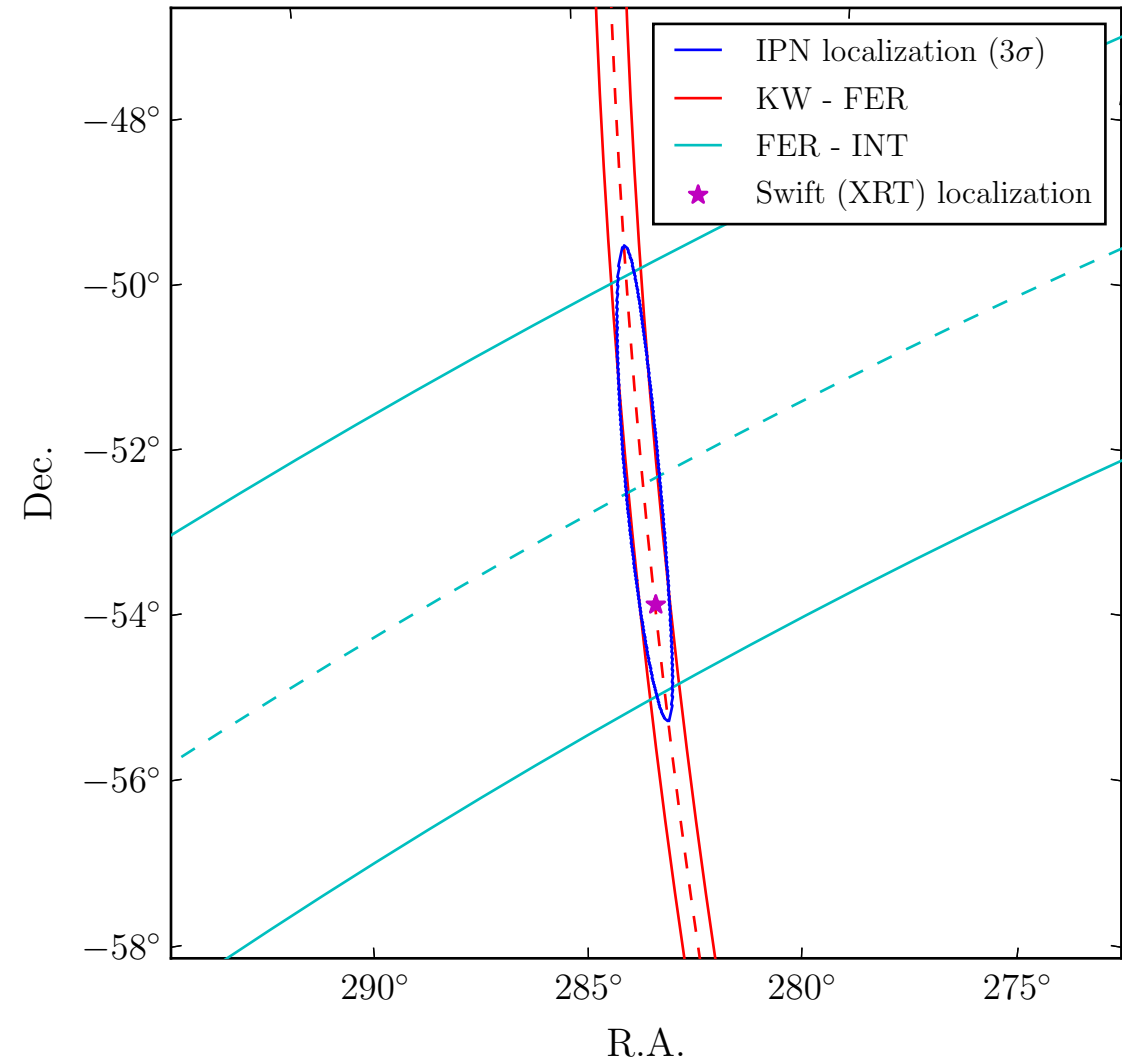
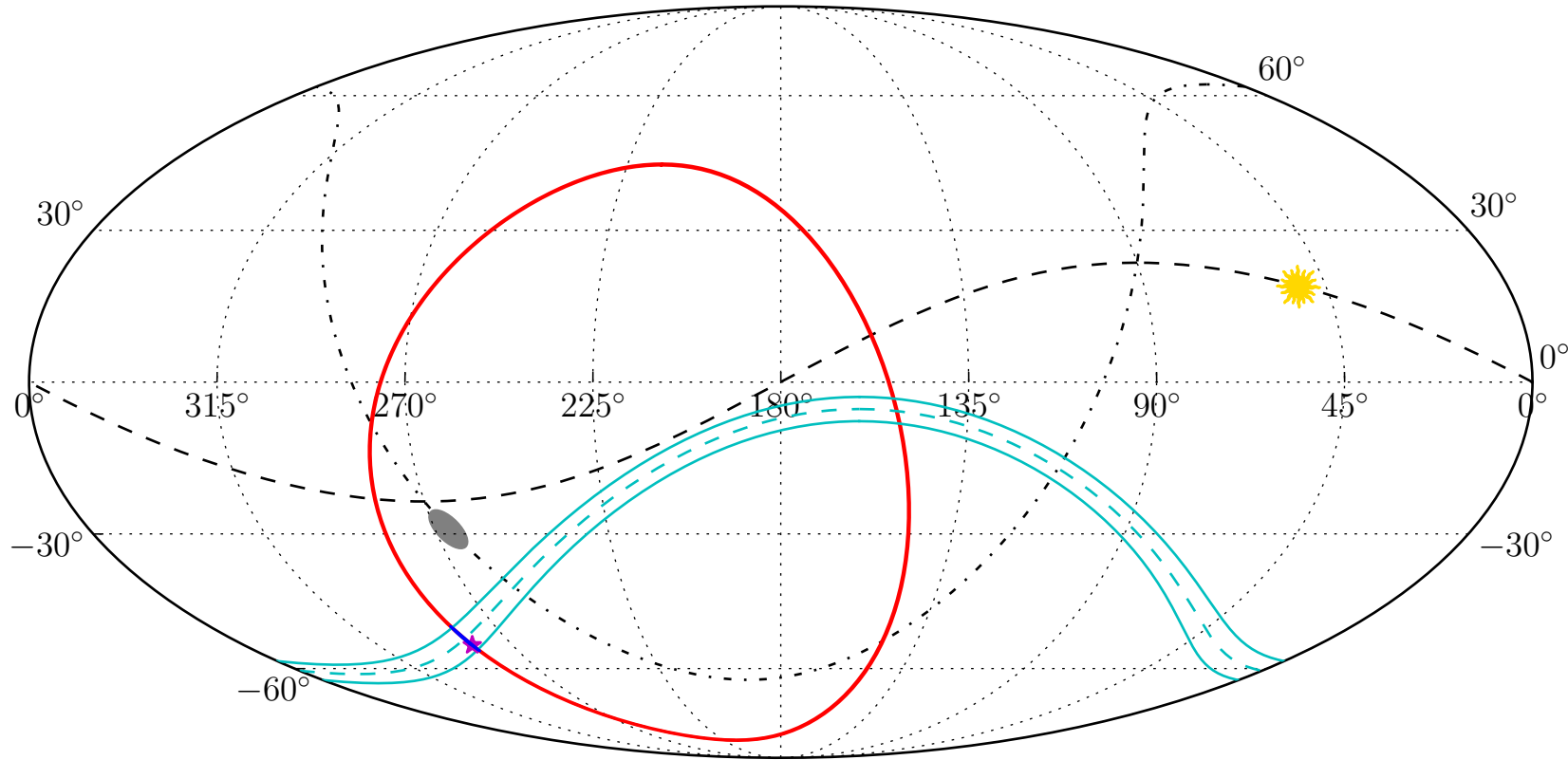
# GRB130504B (2013-05-04 $T_0=27119.723$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	31.1254	17.8690	48.7053	0.0957
FER - INT	287.4818	41.7716	72.5129	1.3883
FER - MO	37.7533	14.6277	53.4228	0.0211

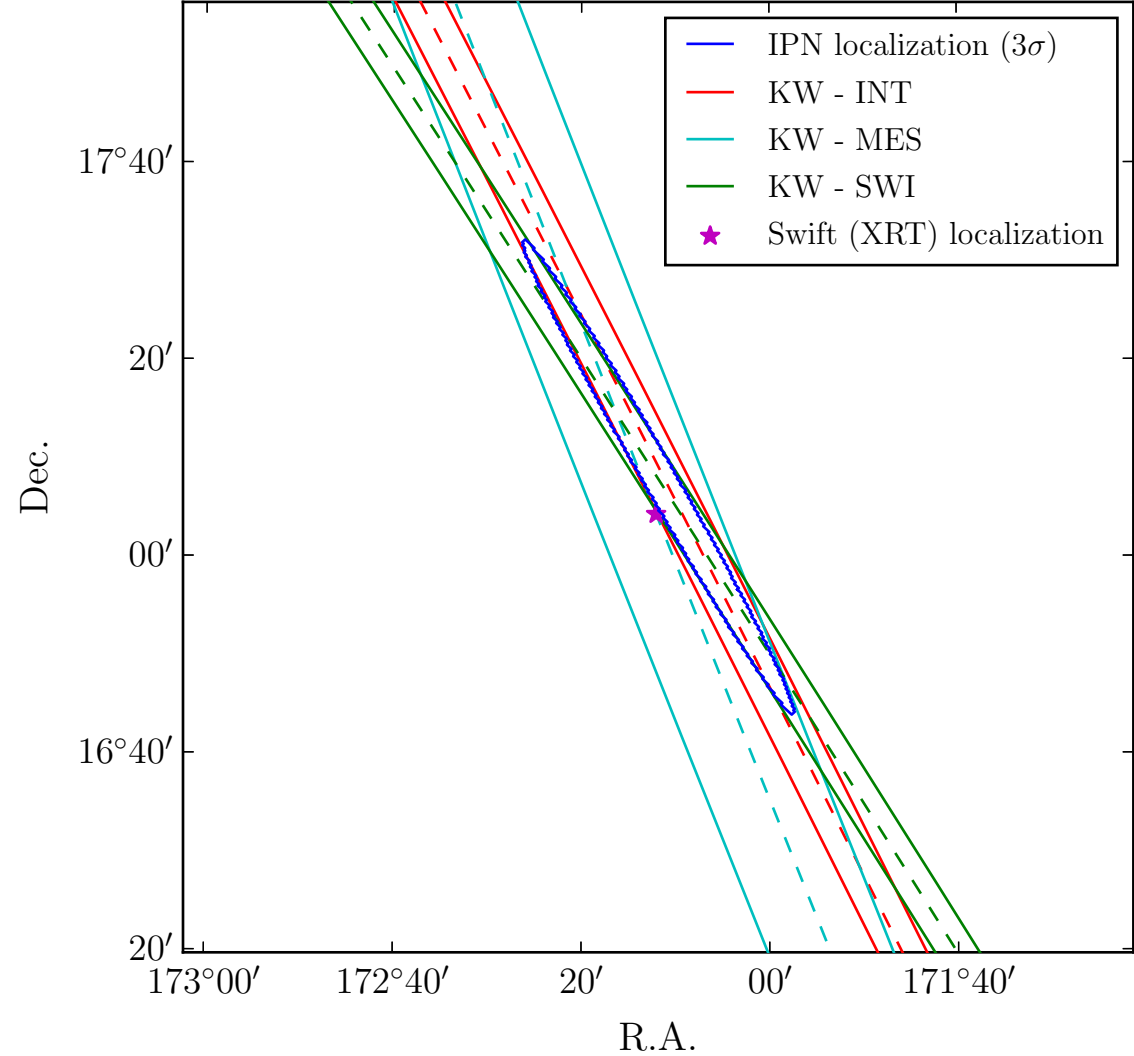
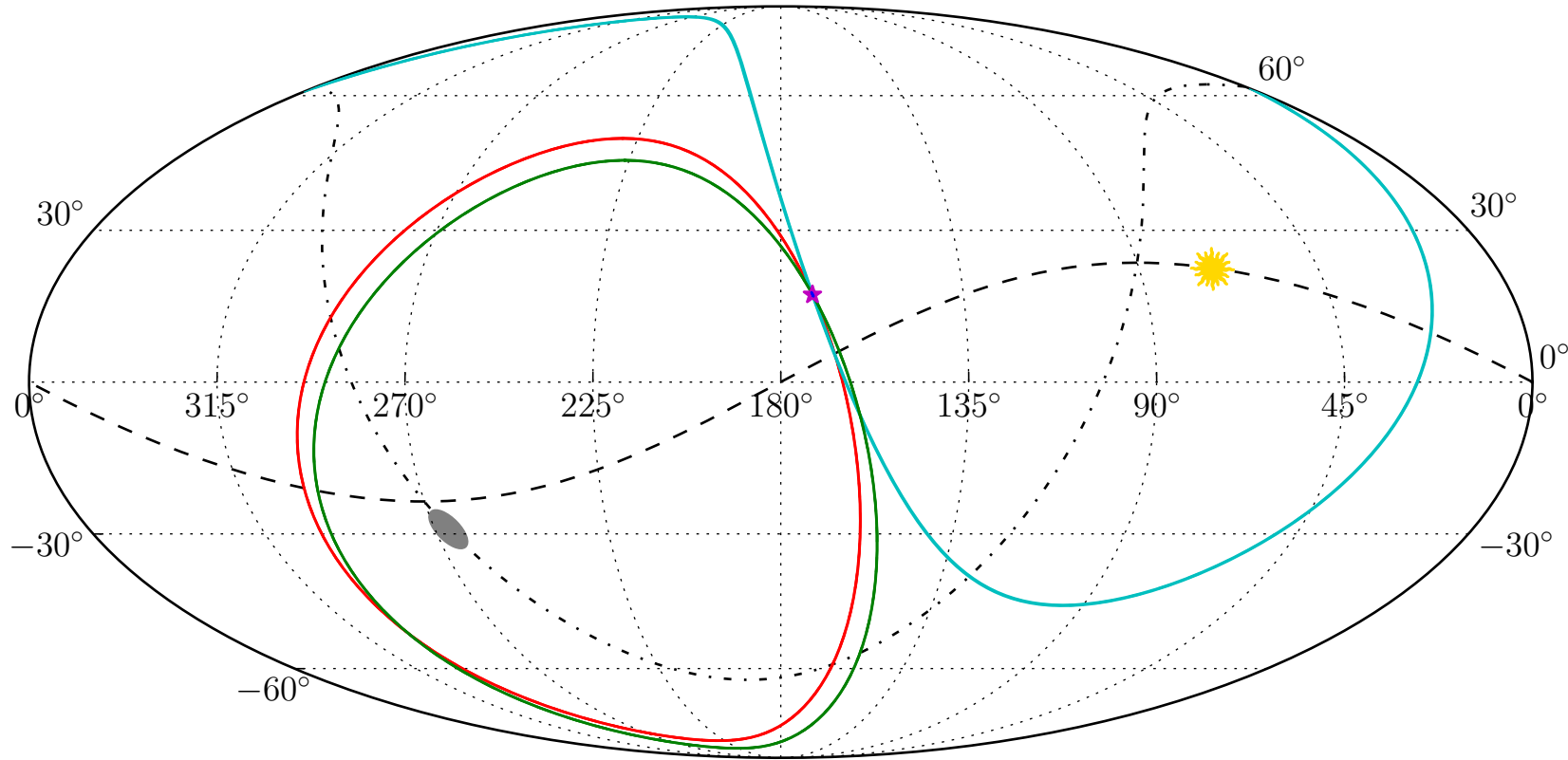
# GRB130515A (2013-05-15 T<sub>0</sub>=4880.440 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	214.9868	-18.5710	62.5061	0.1868
FER - INT	161.1027	-61.9131	56.6779	2.3621

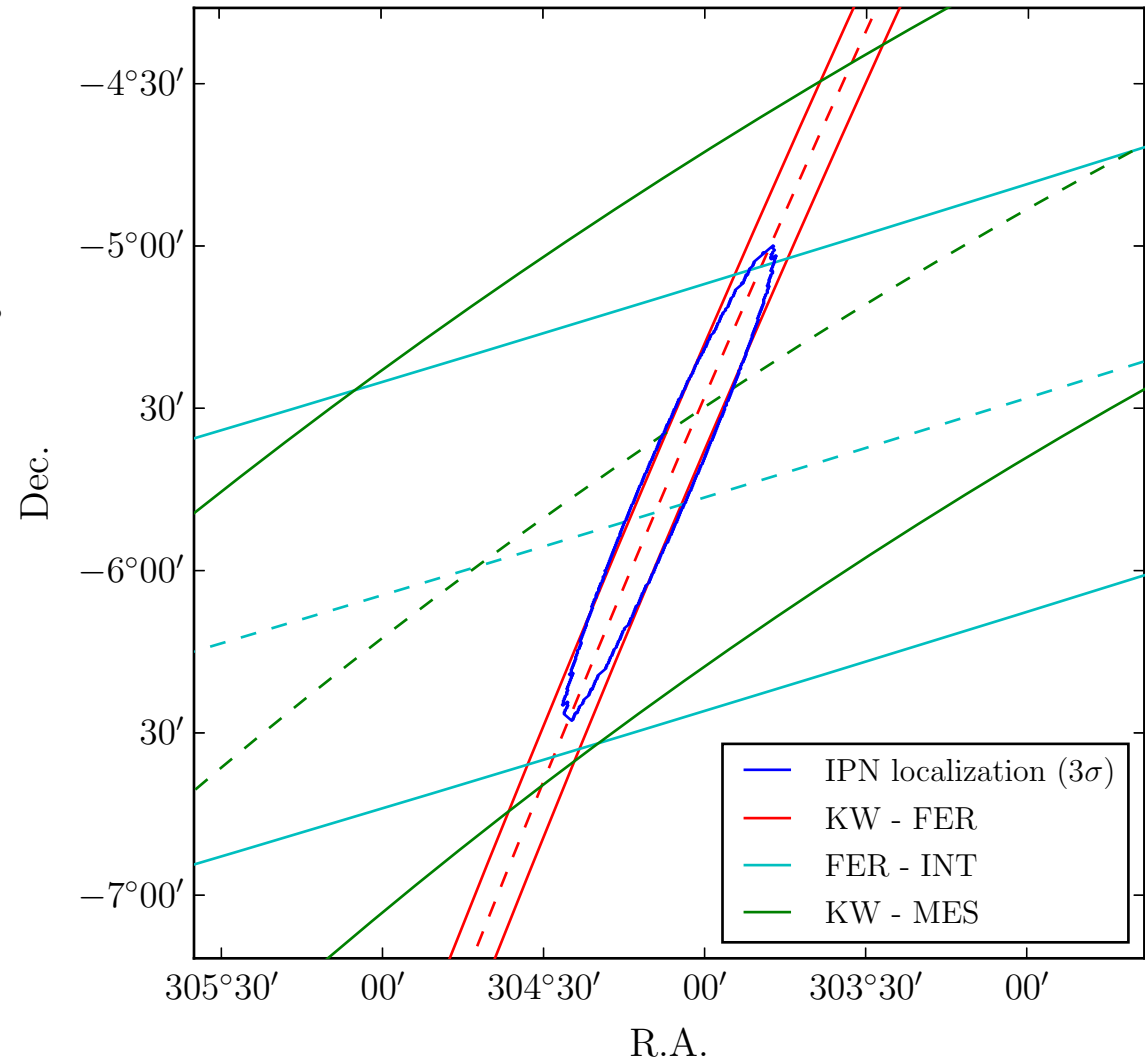
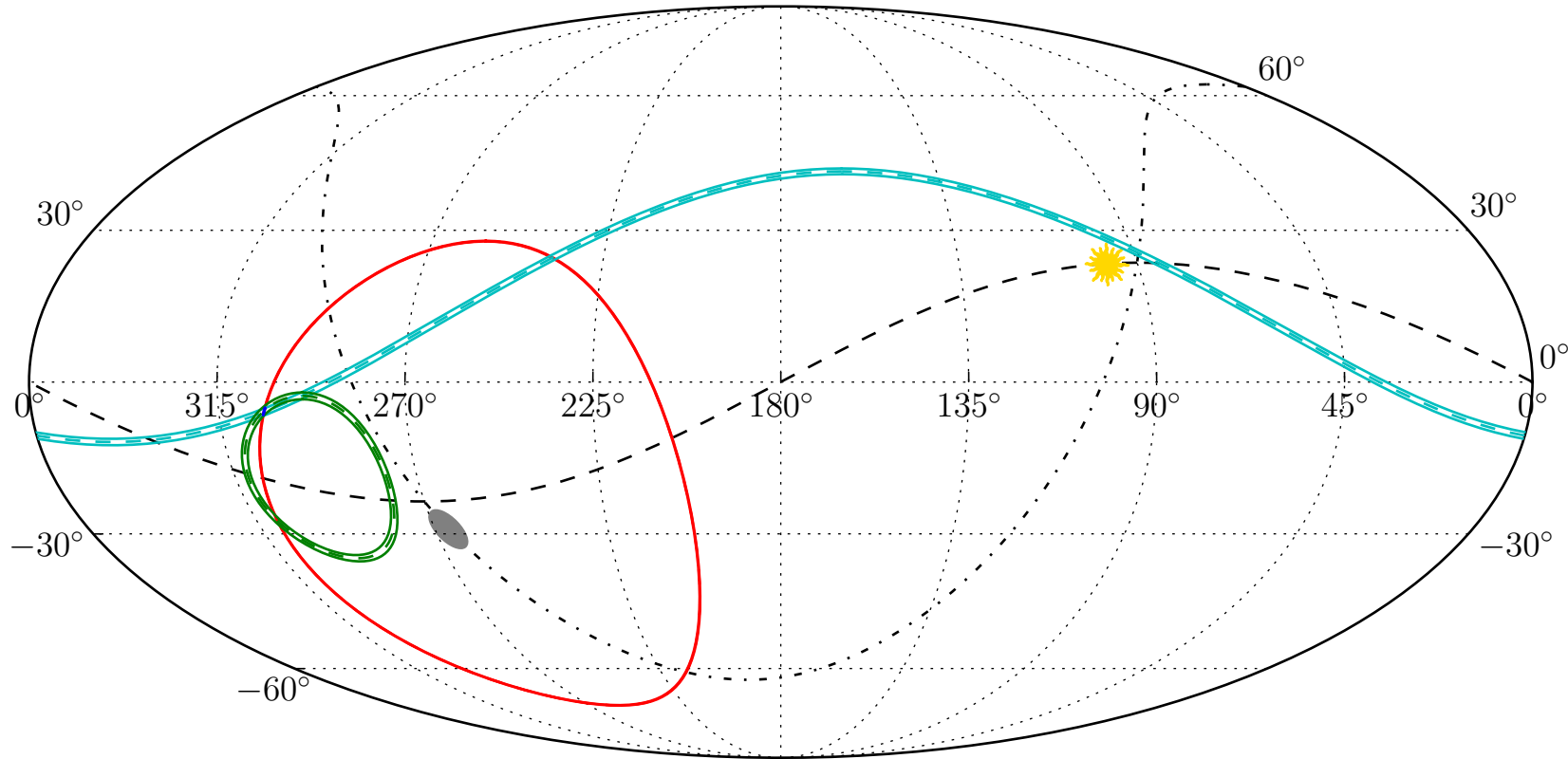
# GRB130603B (2013-06-03 $T_0=56956.448$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	229.6851	-15.7372	65.5227	0.0374
KW - MES	95.9957	25.4207	70.6165	0.0989
KW - SWI	226.2293	-19.7624	64.6201	0.0320

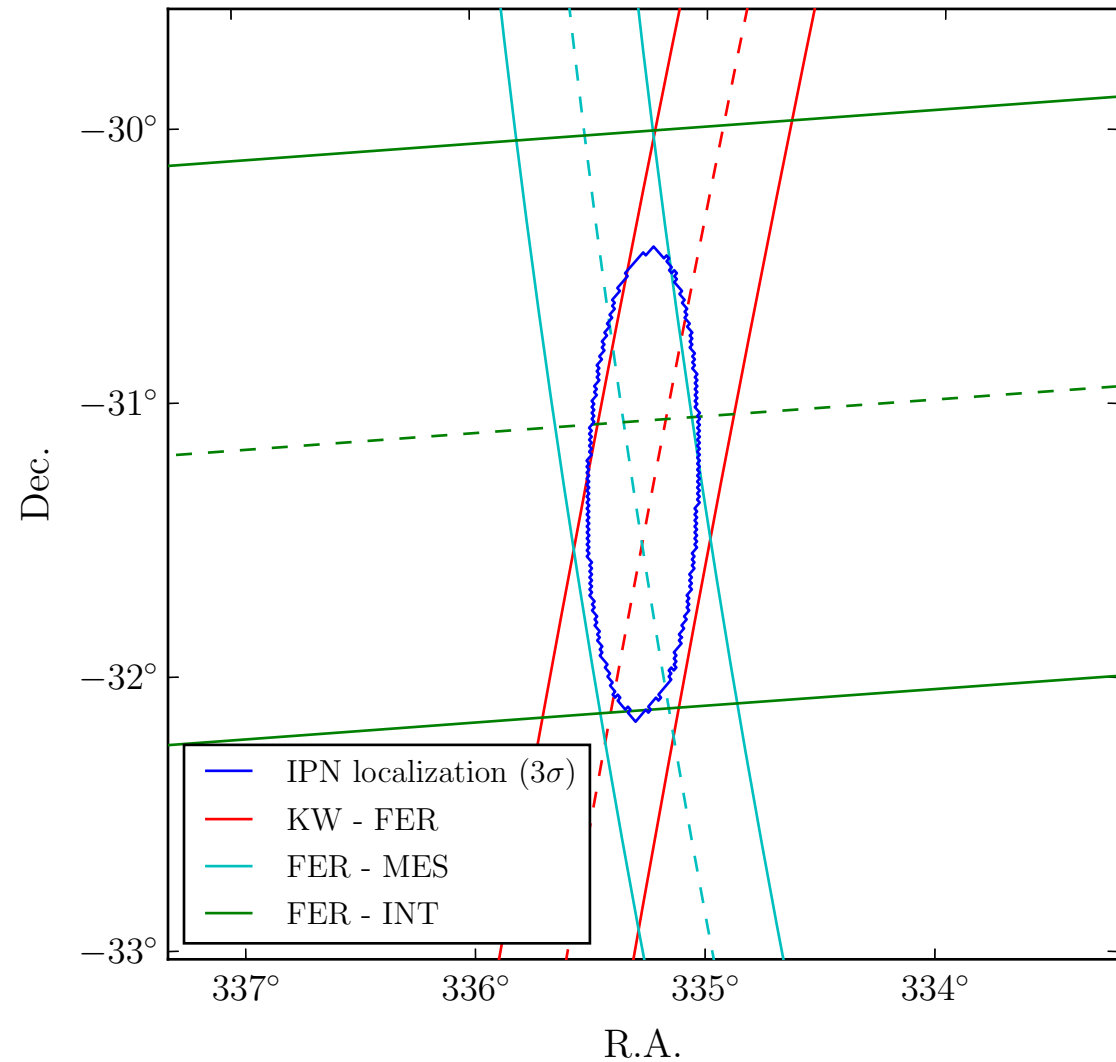
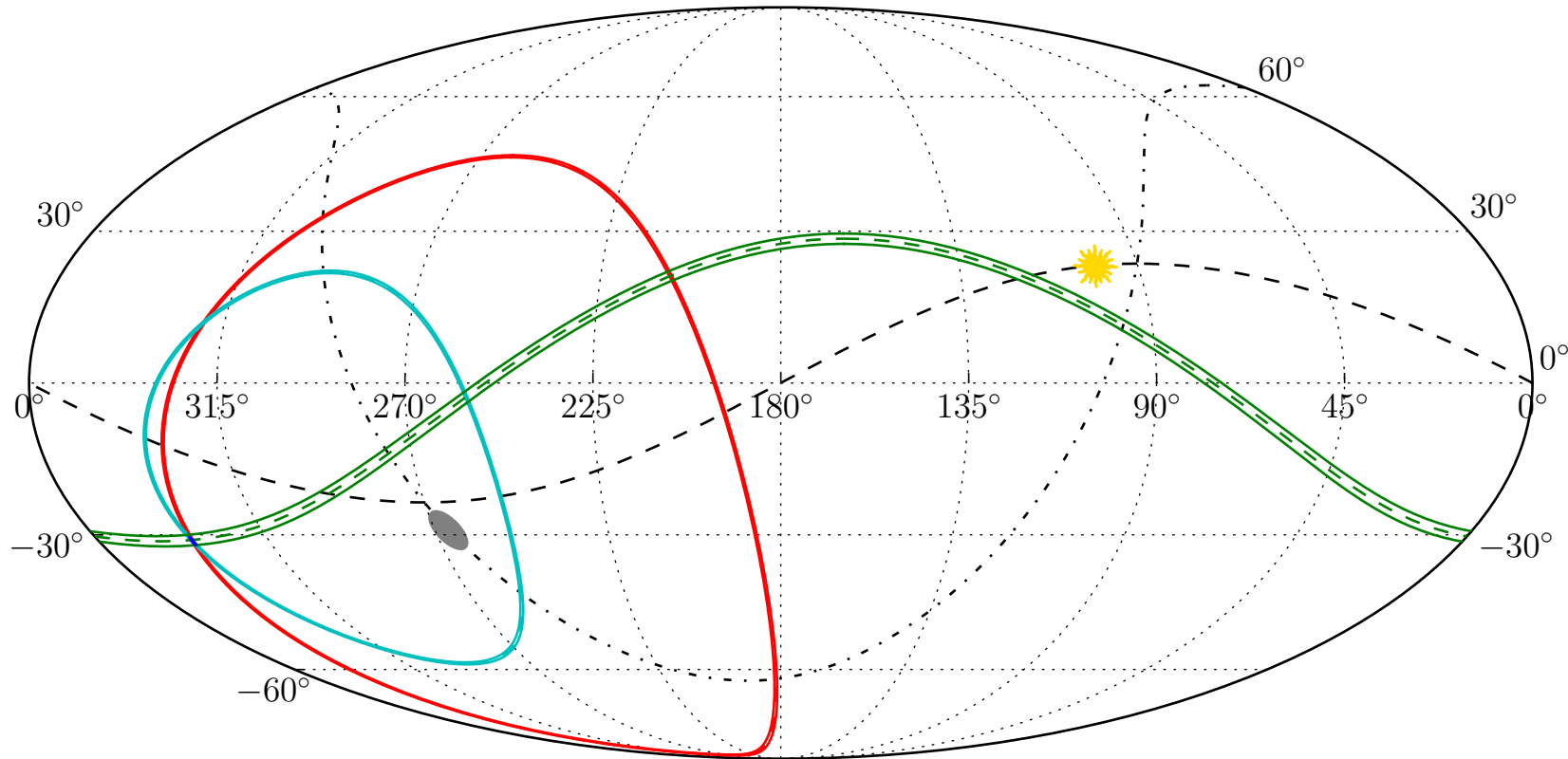
GRB20130628\_T74284 (2013-06-28  $T_0=74284.903$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	256.2130	-21.0274	48.8166	0.0647
FER - INT	342.3451	62.9465	74.6176	0.6291
KW - MES	294.6307	-18.8652	16.1903	0.6606

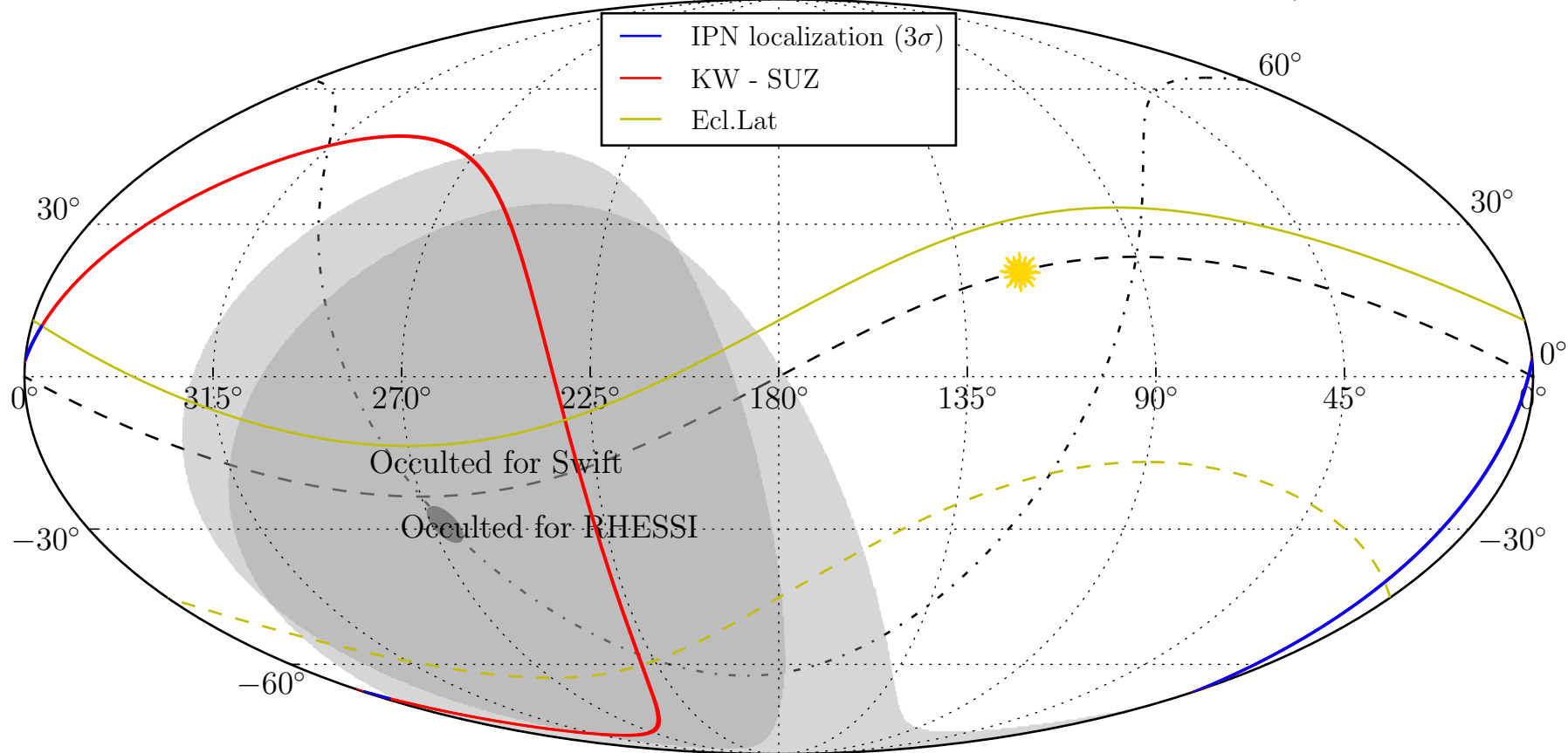
GRB20130701\_T65732 (2013-07-01 T<sub>0</sub>=65732.727 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	260.7311	-20.6521	66.6094	0.2415
FER - MES	293.1210	-18.3521	40.1453	0.2496
FER - INT	163.6473	-60.0892	88.5709	1.0544

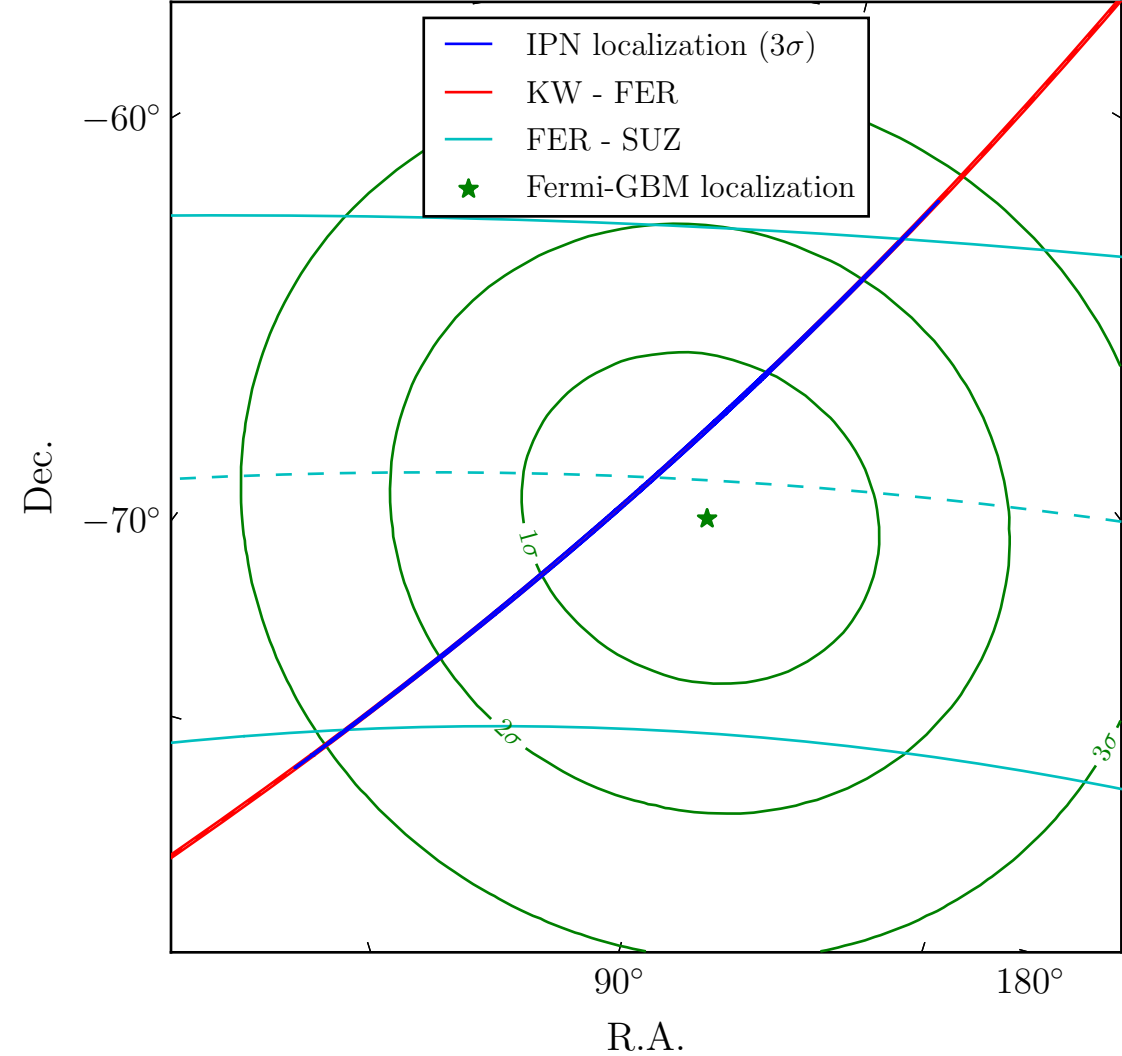
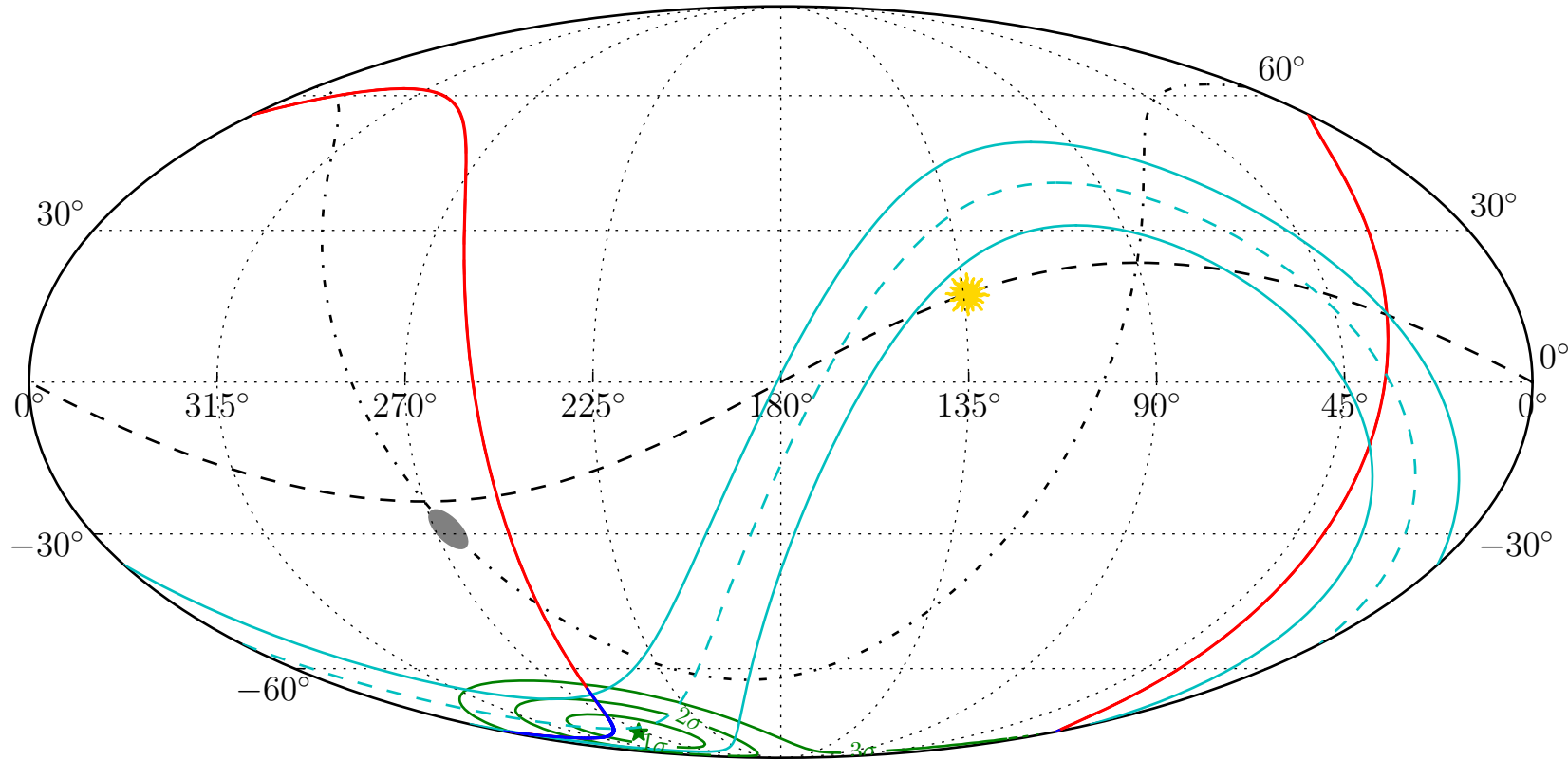
# GRB20130720\_T66216 (2013-07-20 $T_0=66216.645$ s, UT)



Parameters of IPN annuli

Instrument	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SUZ	297.4148	-15.9344	64.7749	0.1318
Ecl.Lat	270.0000	66.5610	130.0000	50.0000

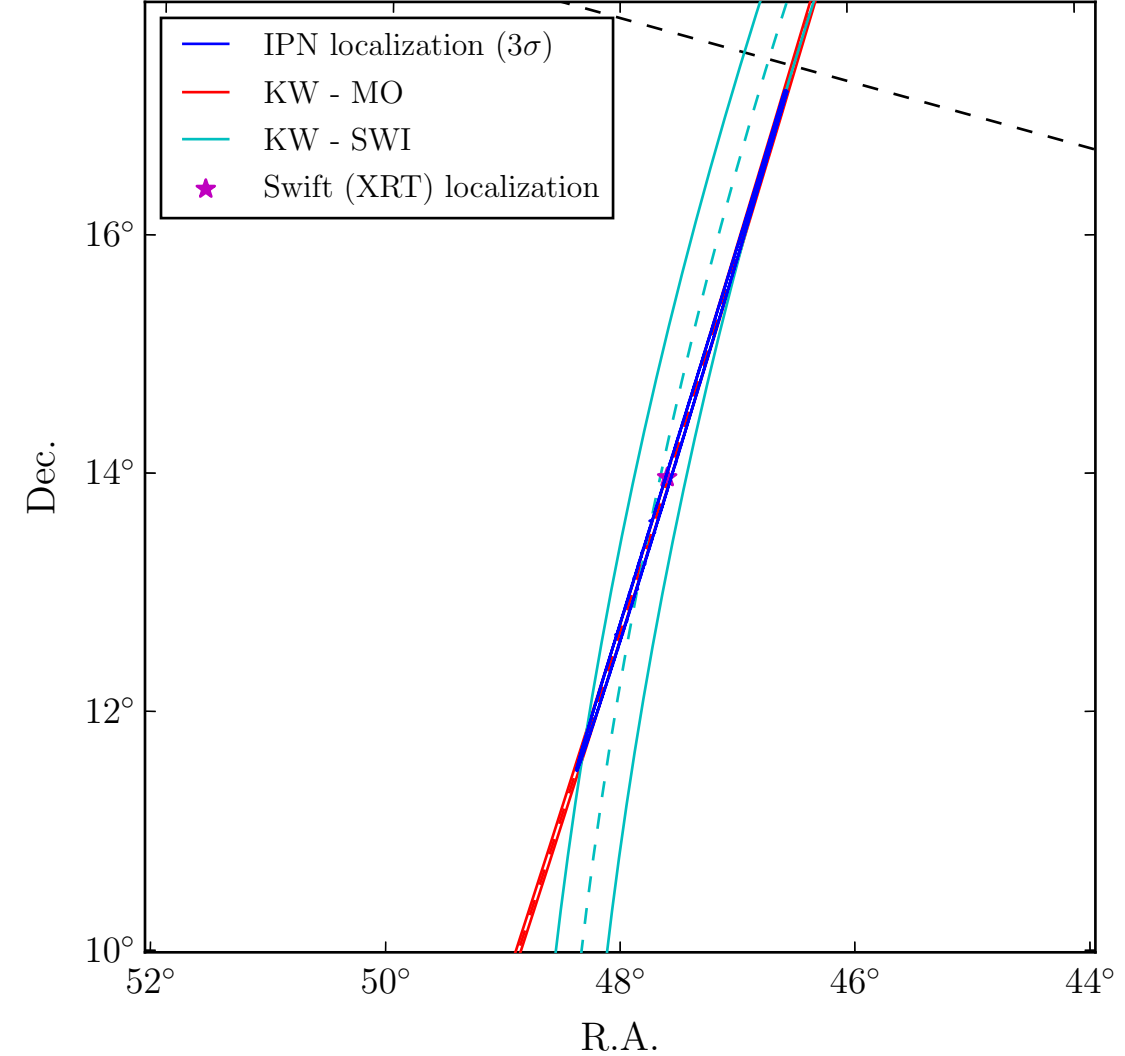
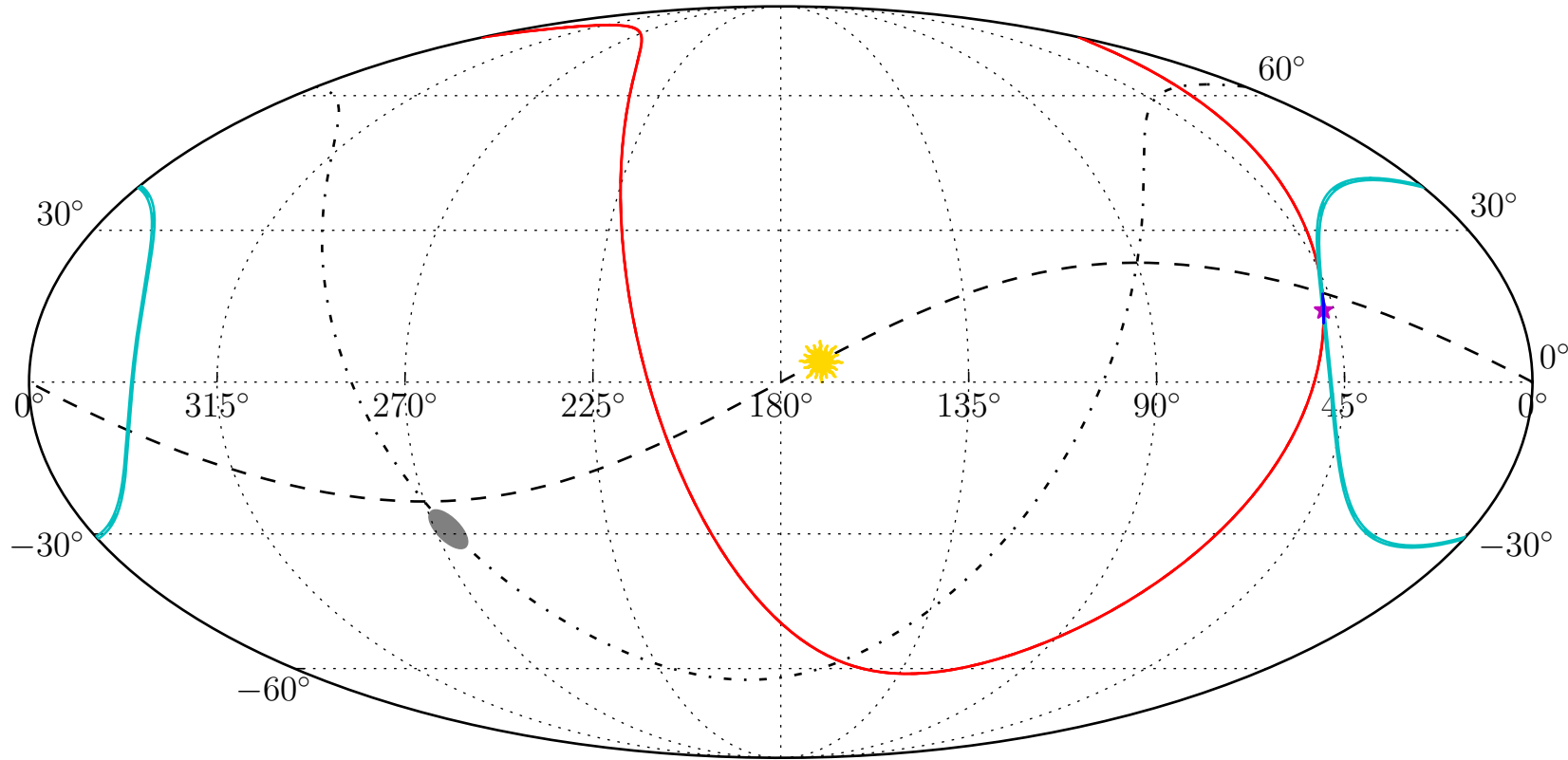
# GRB130804A (2013-08-04 T<sub>0</sub>=1997.053 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	324.5390	-9.2648	71.0439	0.0478
FER - SUZ	102.1597	-31.5010	71.4859	8.9553

# GRB130912A (2013-09-12 $T_0=30902.290$ s, UT)

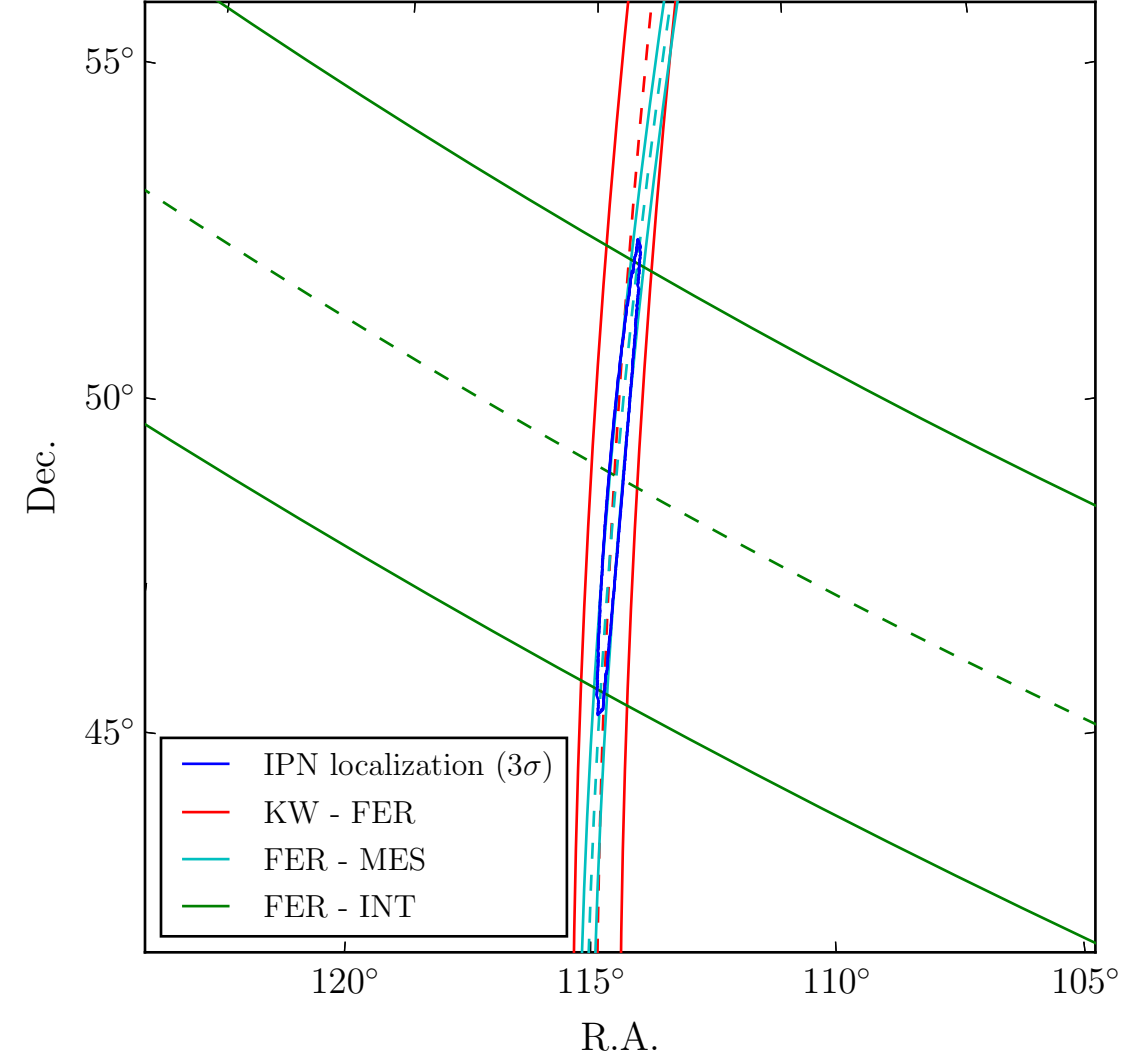
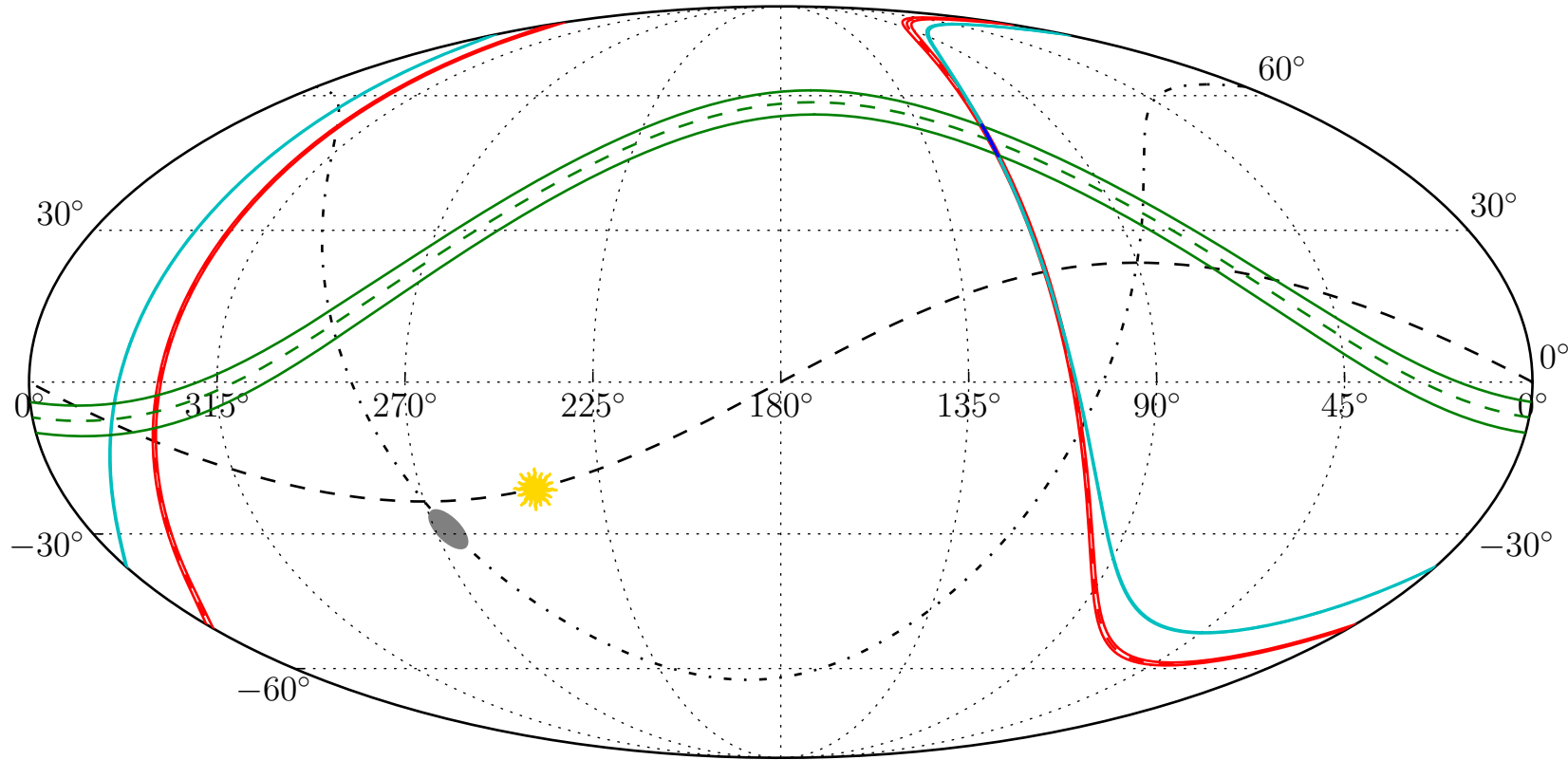


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	131.9938	19.0001	80.3244	0.0201
KW - SWI	11.8140	4.0814	36.6969	0.2141



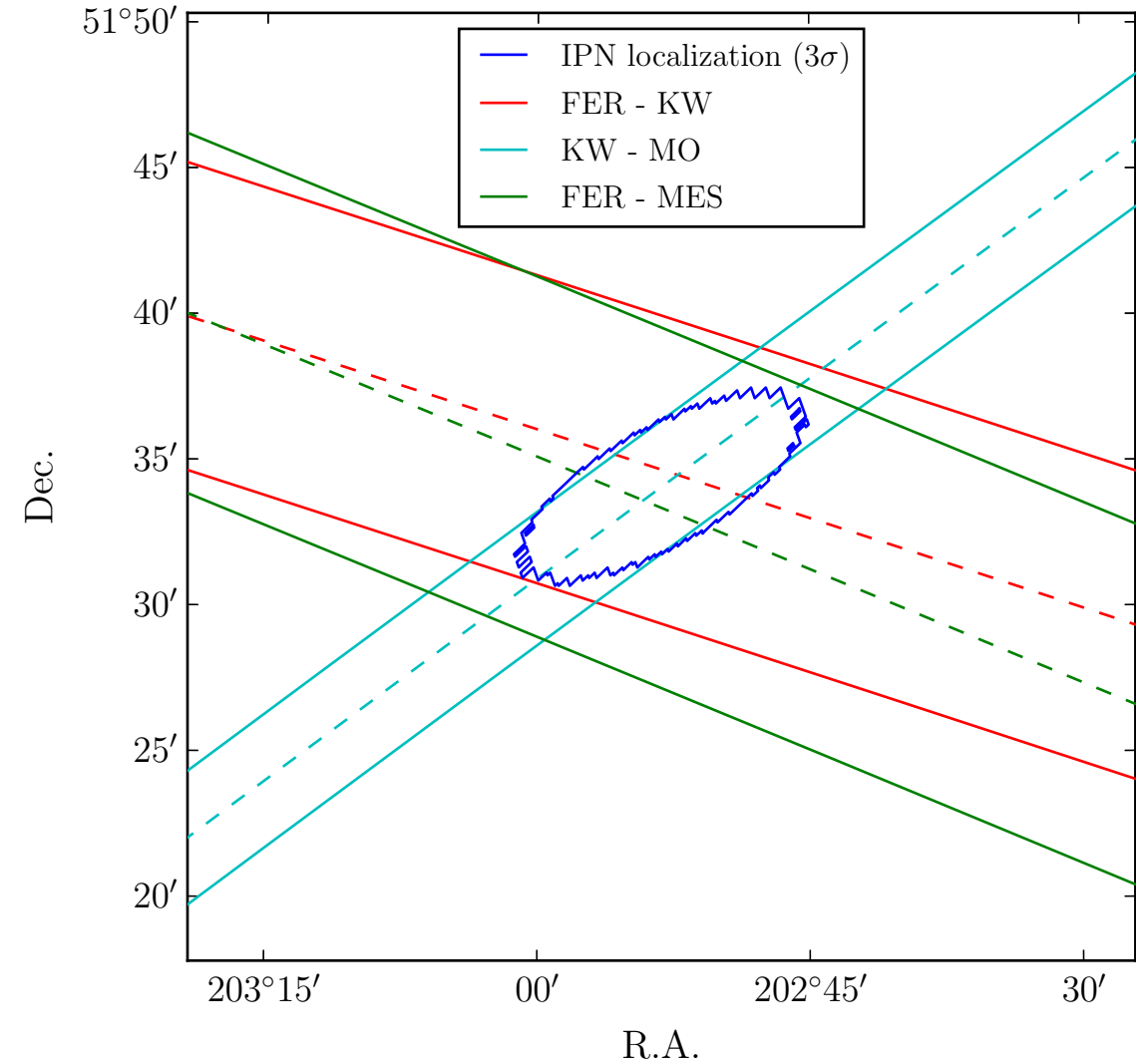
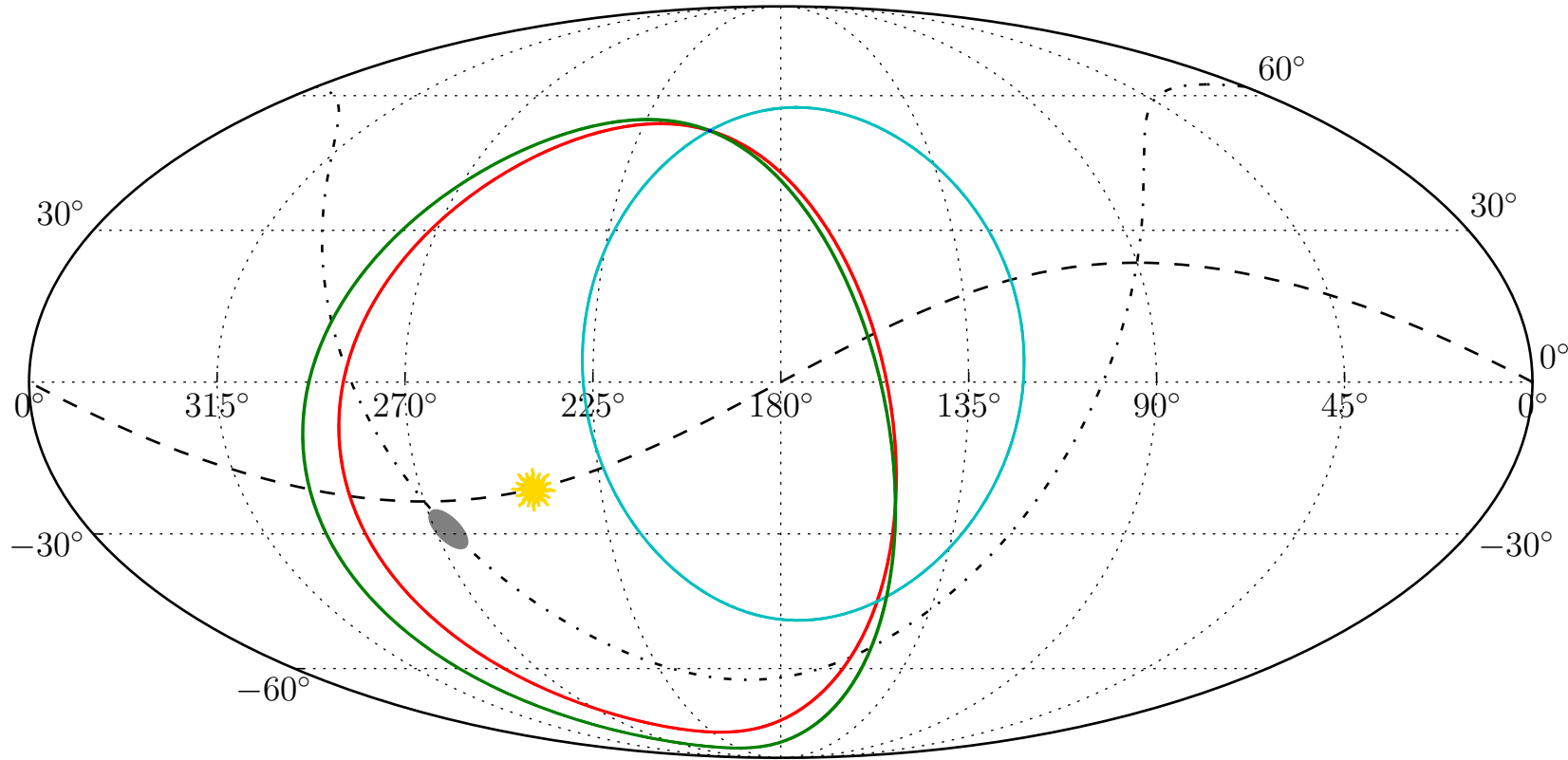
# GRB131125A (2013-11-25 $T_0=59572.927$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	39.3993	12.2304	71.0903	0.3559
FER - MES	43.9133	14.8088	66.2082	0.1013
FER - INT	348.6213	57.0461	64.5951	2.9773

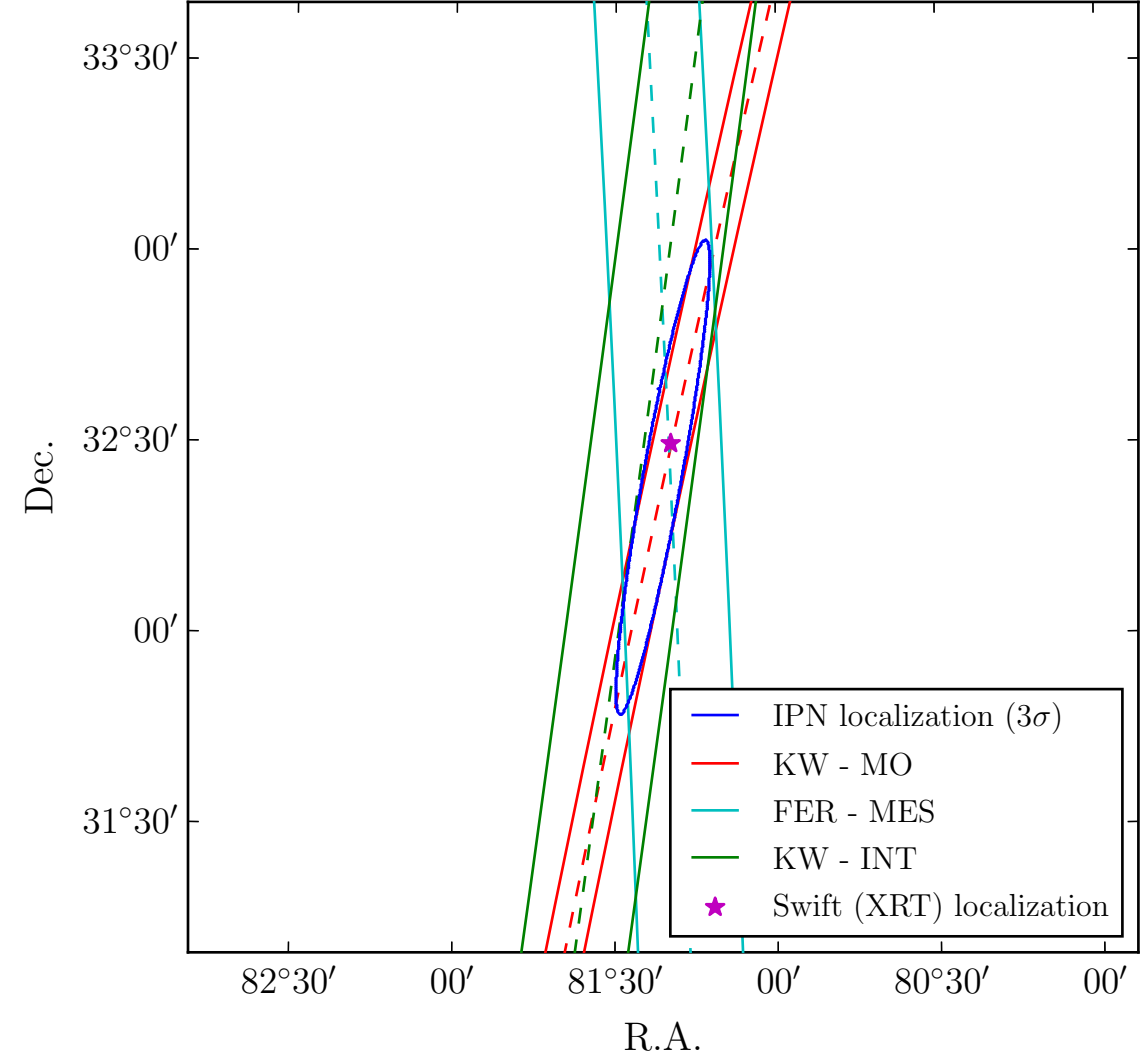
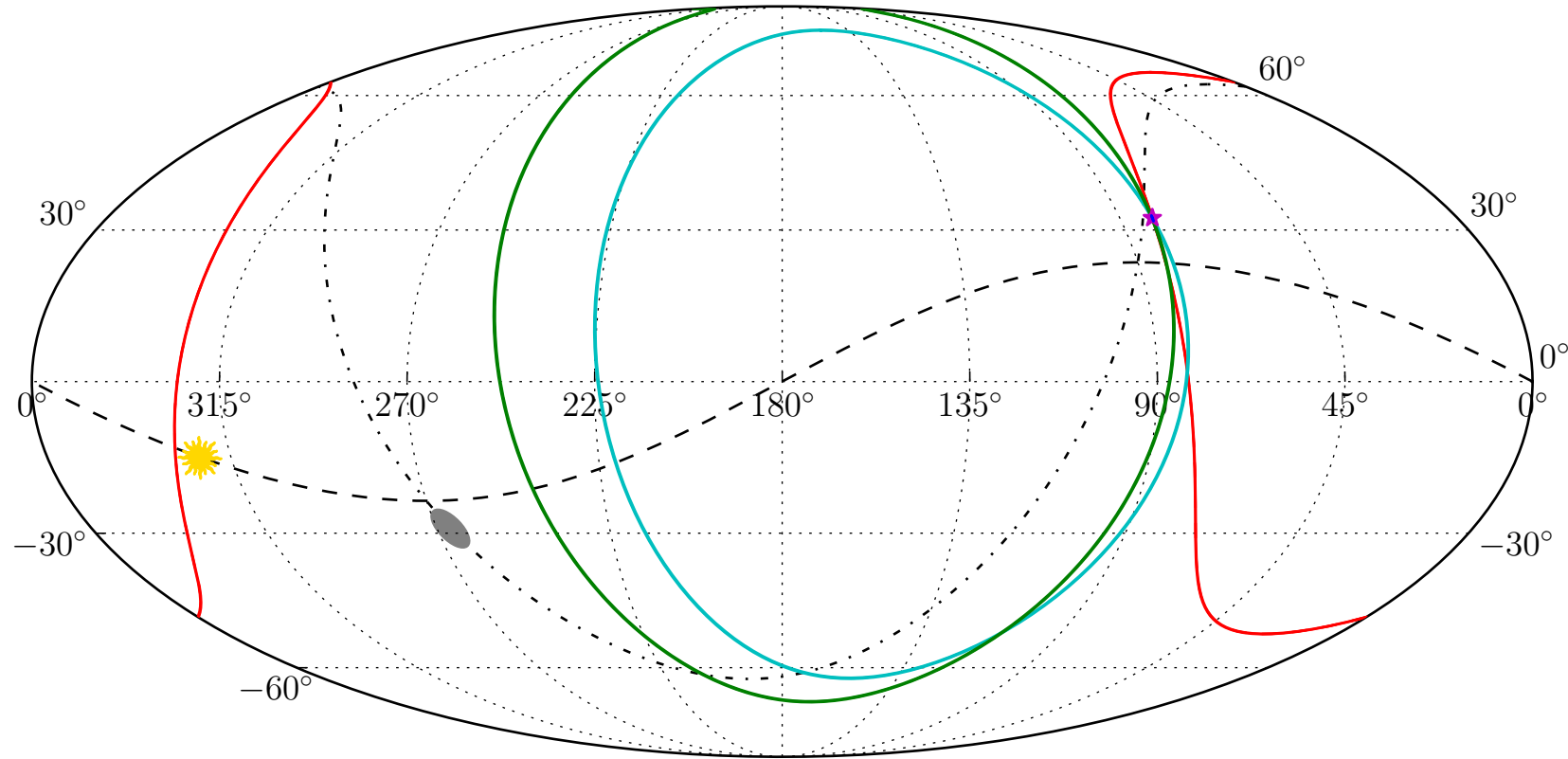
# GRB131126A (2013-11-26 $T_0=14048.270$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - KW	219.6866	-12.4888	65.7056	0.0838
KW - MO	174.6117	4.2763	52.8208	0.0307
FER - MES	224.5559	-15.0436	69.2239	0.0953

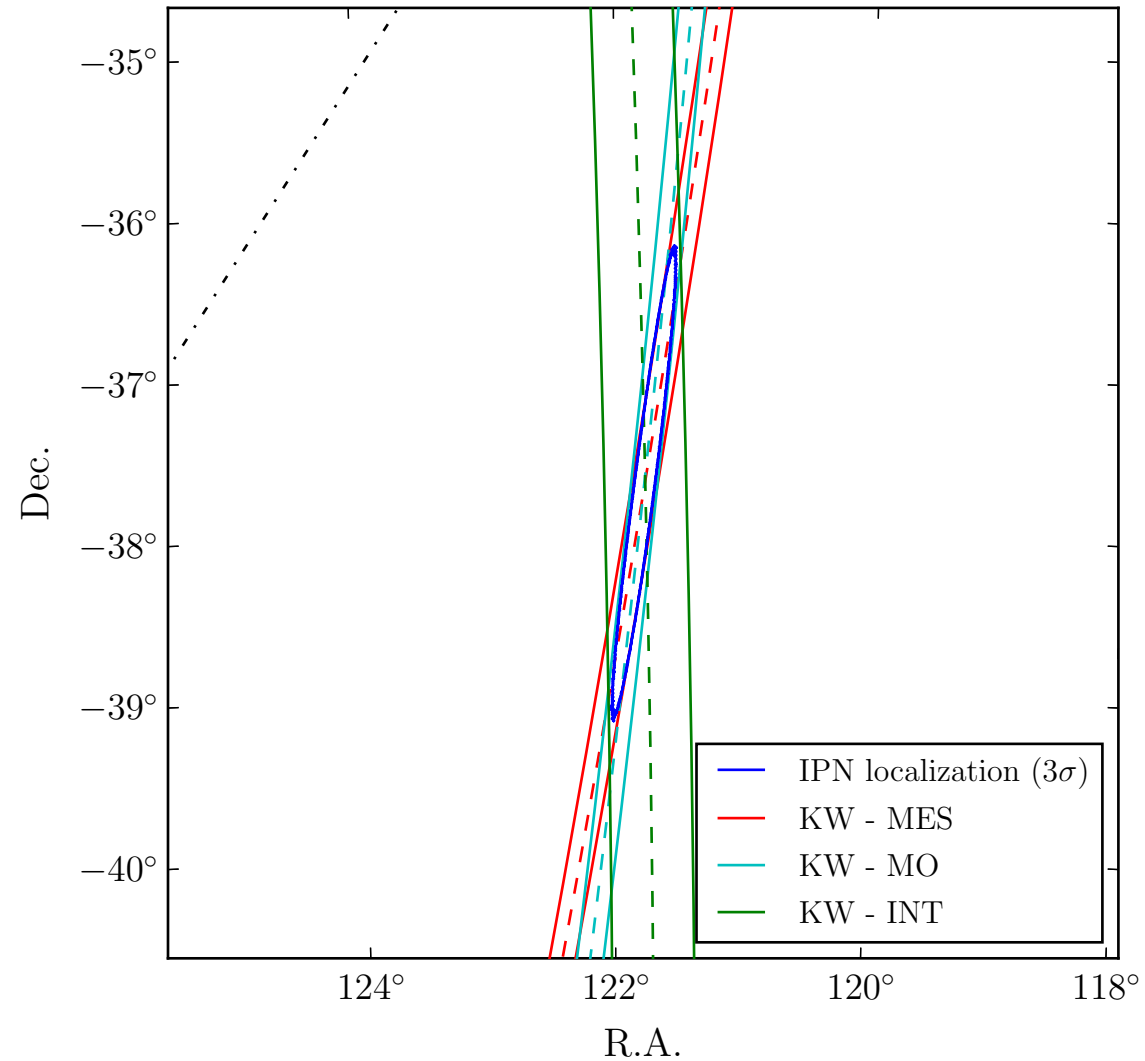
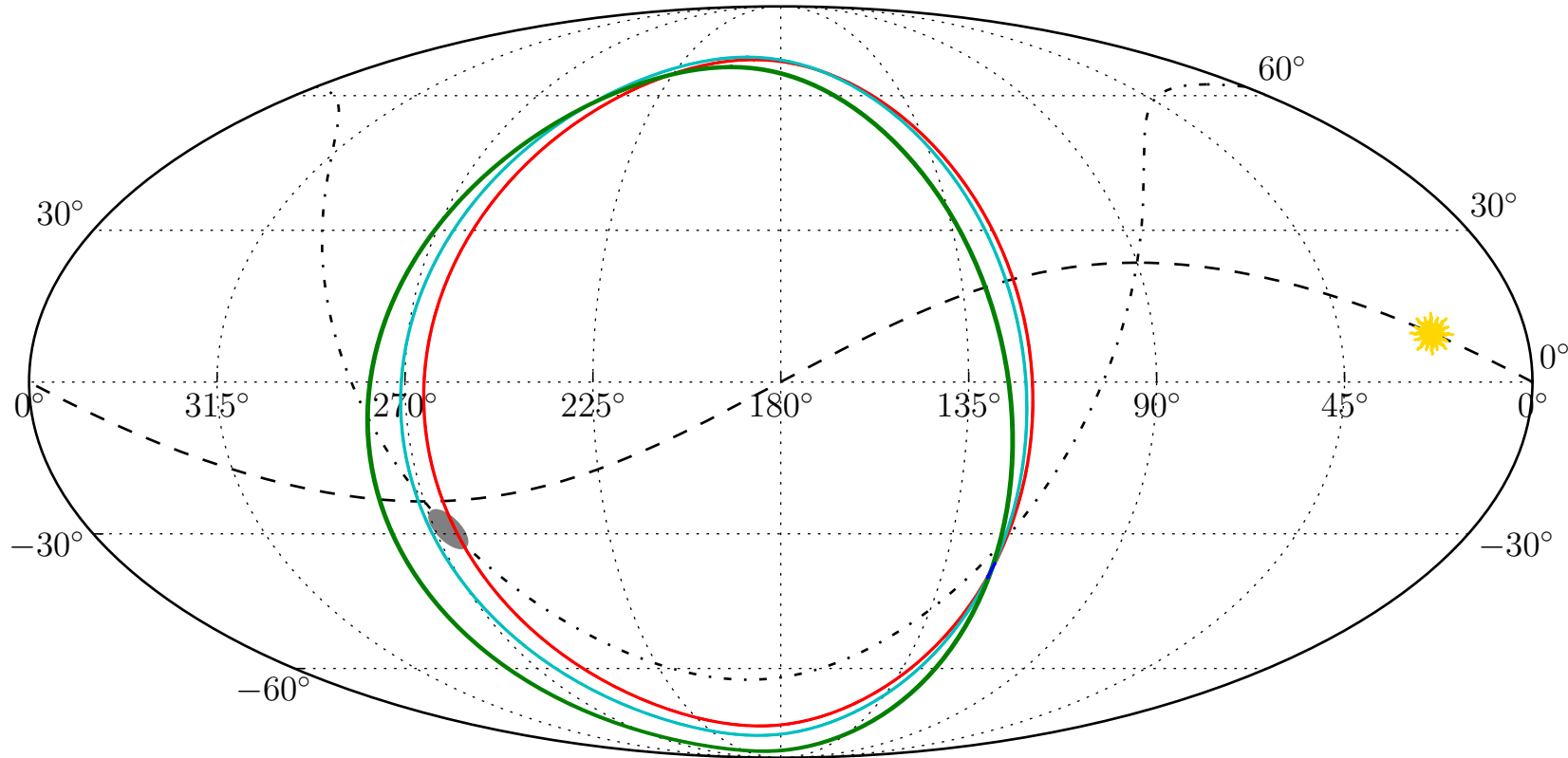
# GRB140209A (2014-02-09 $T_0=27060.493$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	23.8099	7.0897	58.9488	0.0496
FER - MES	153.6088	8.0479	70.7630	0.1375
KW - INT	167.3953	11.4530	80.5269	0.1386

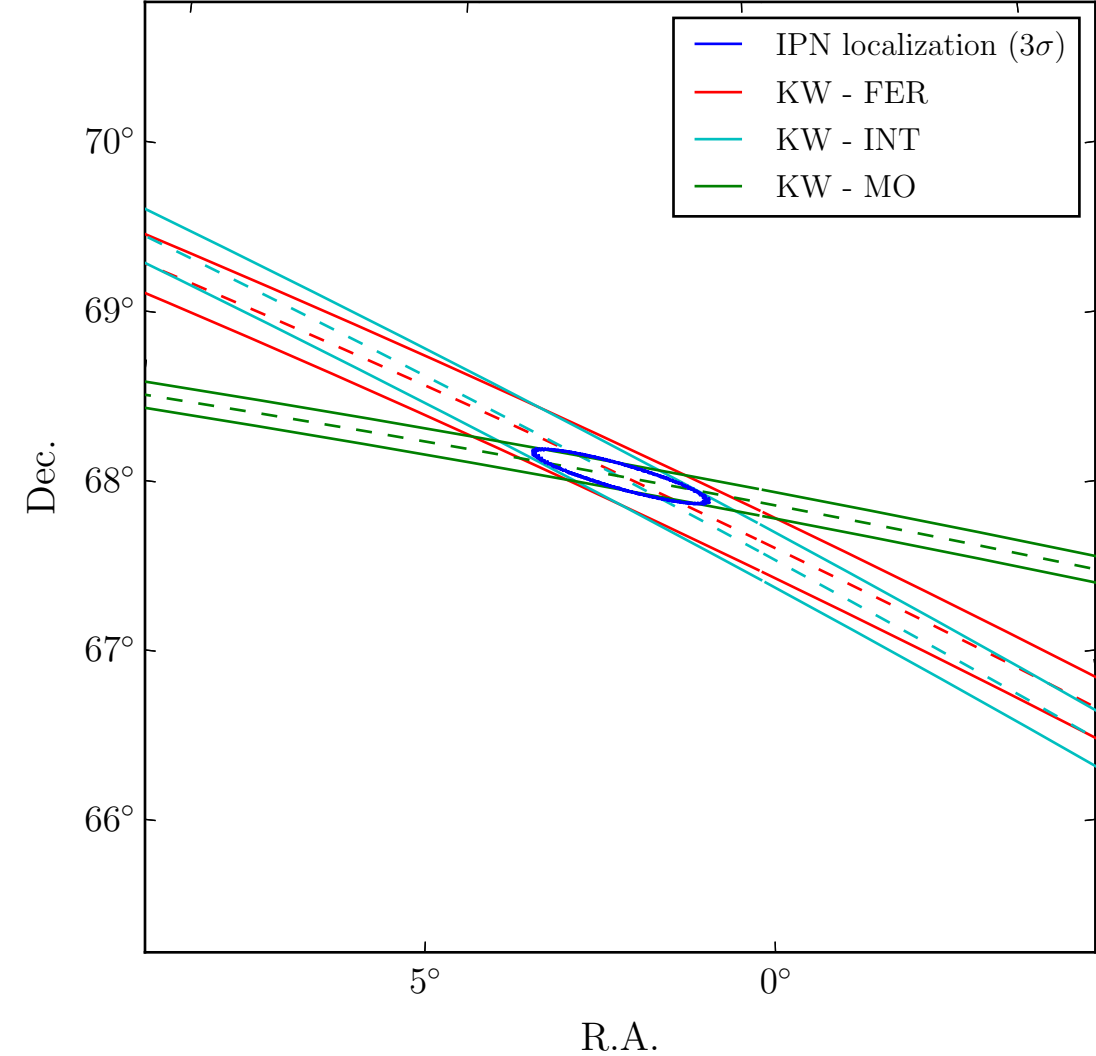
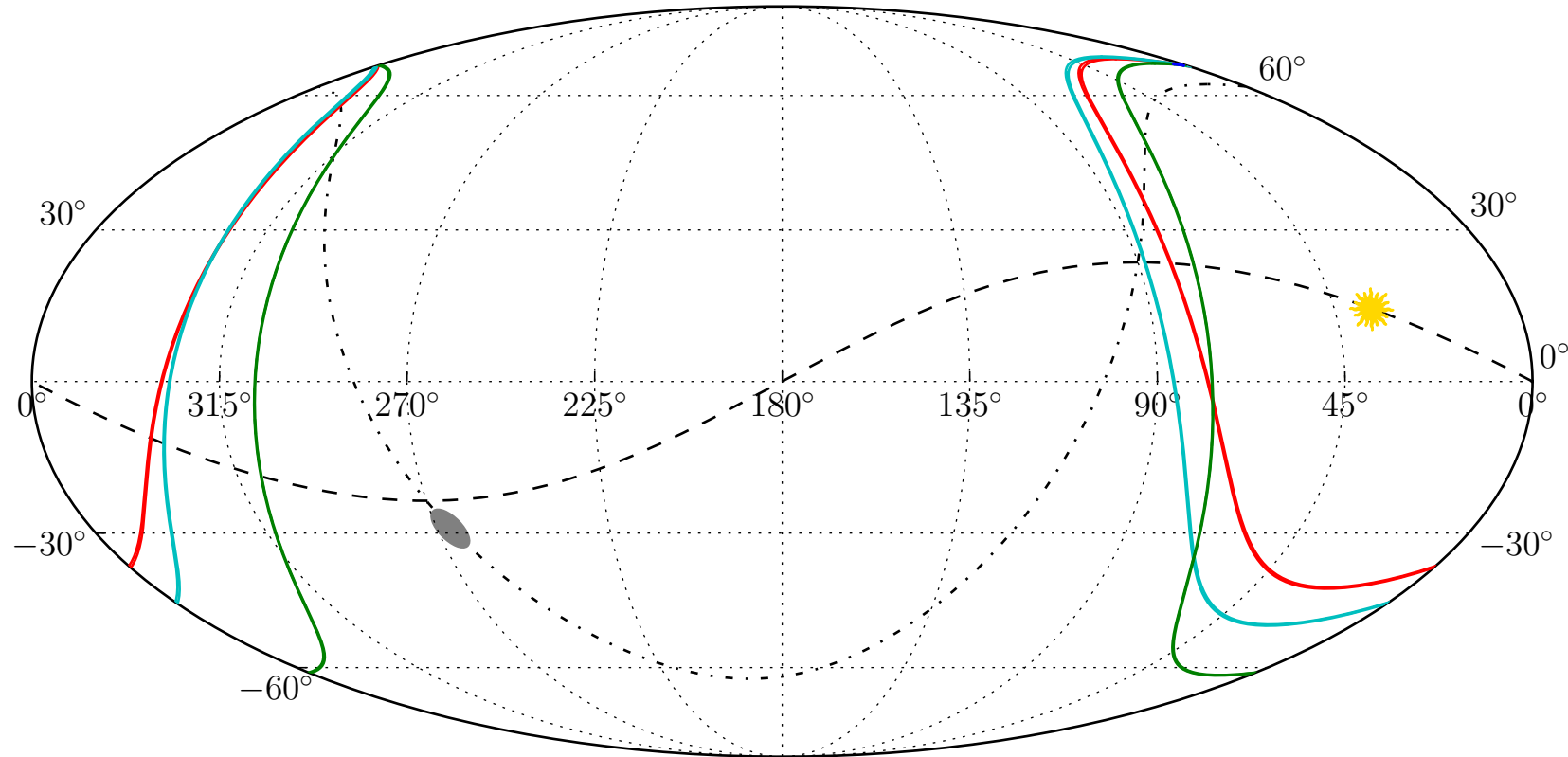
GRB20140414\_T80738 (2014-04-14 T<sub>0</sub>=80738.336 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	192.5777	-3.2688	72.8700	0.0792
KW - MO	196.0781	-4.5164	74.8413	0.0819
KW - INT	201.8792	-9.1281	76.6421	0.2546

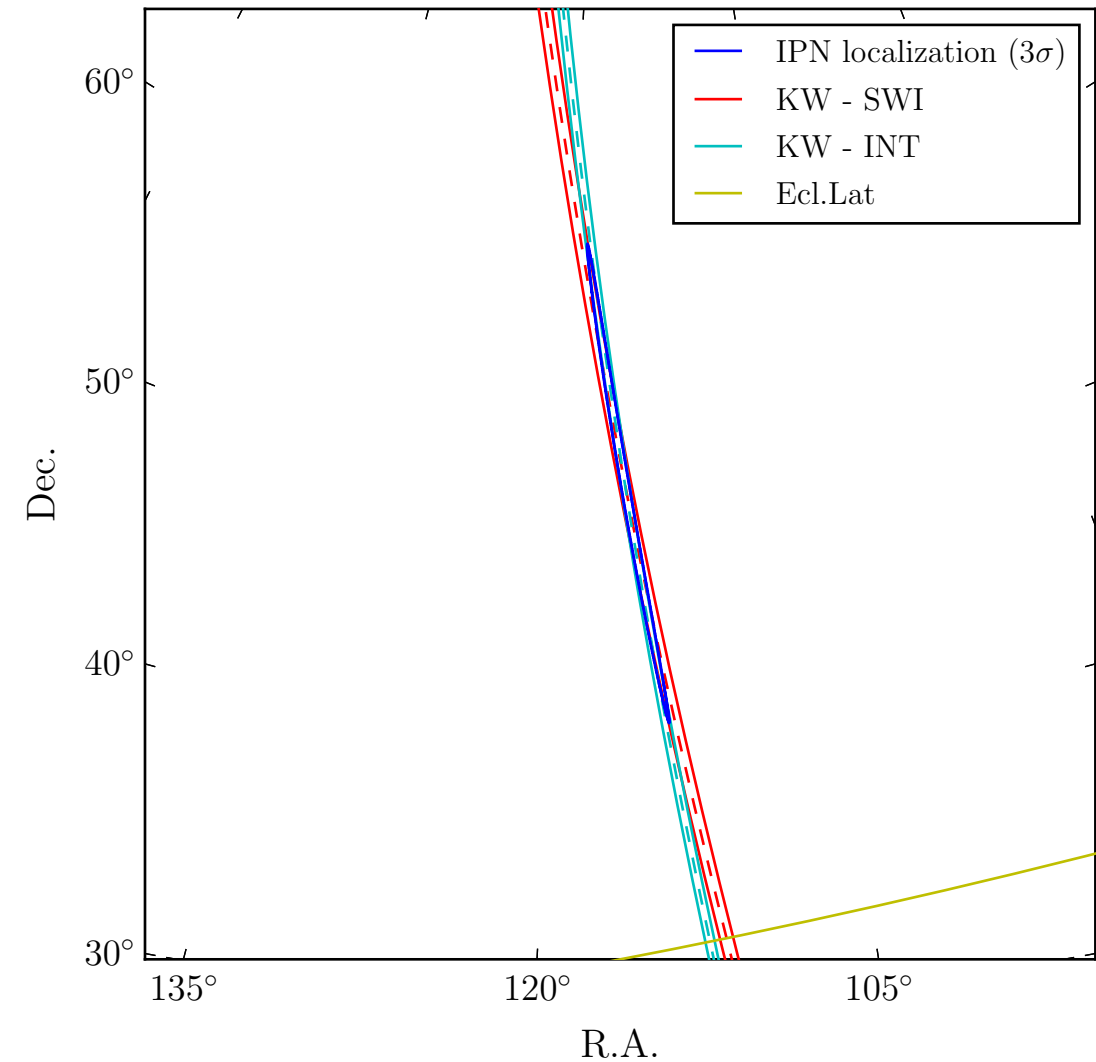
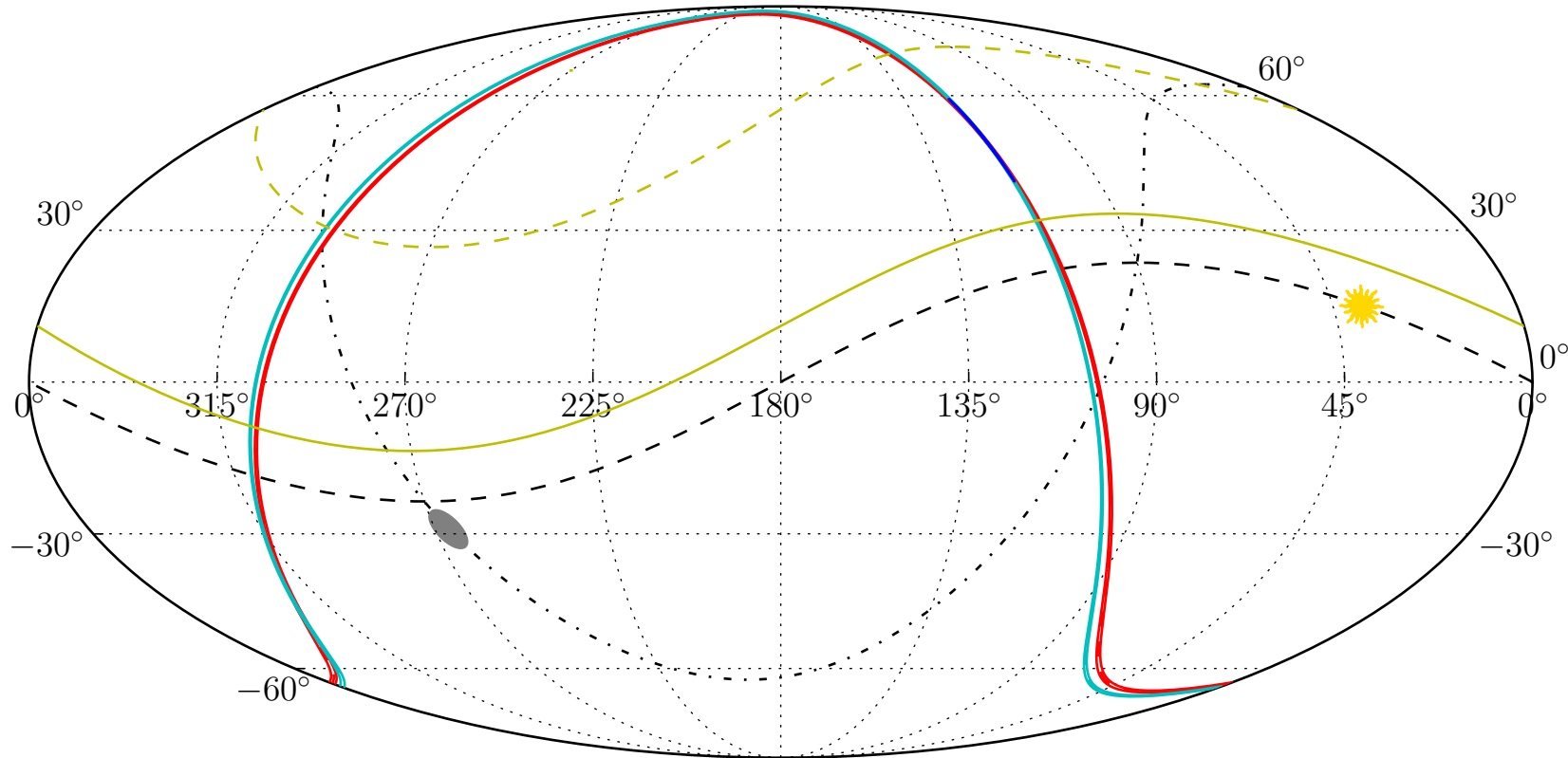
# GRB140428B (2014-04-28 $T_0=78275.456$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	23.3404	14.1695	55.7334	0.1613
KW - INT	26.5047	10.2628	60.0935	0.1444
KW - MO	11.6677	3.2775	65.2392	0.0770

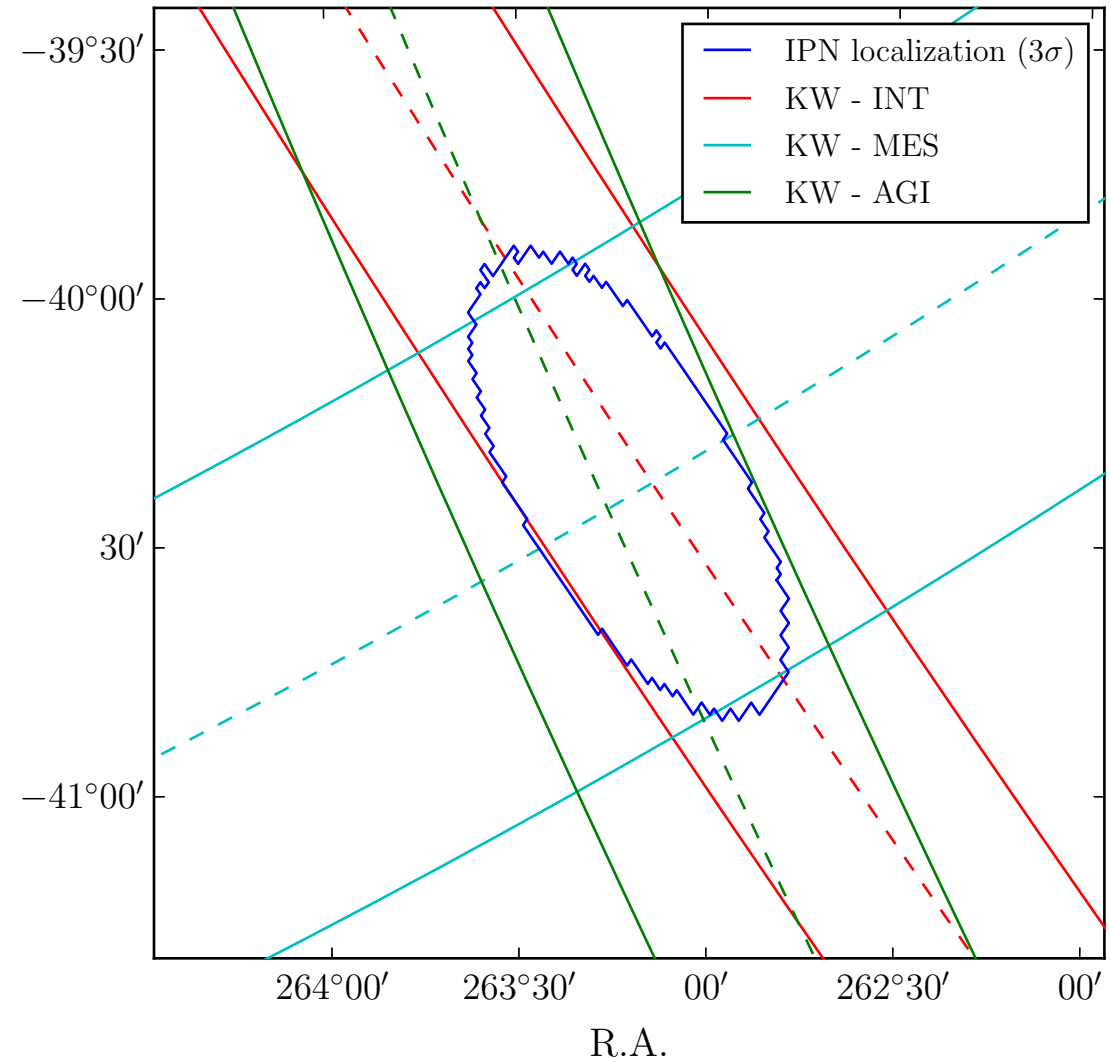
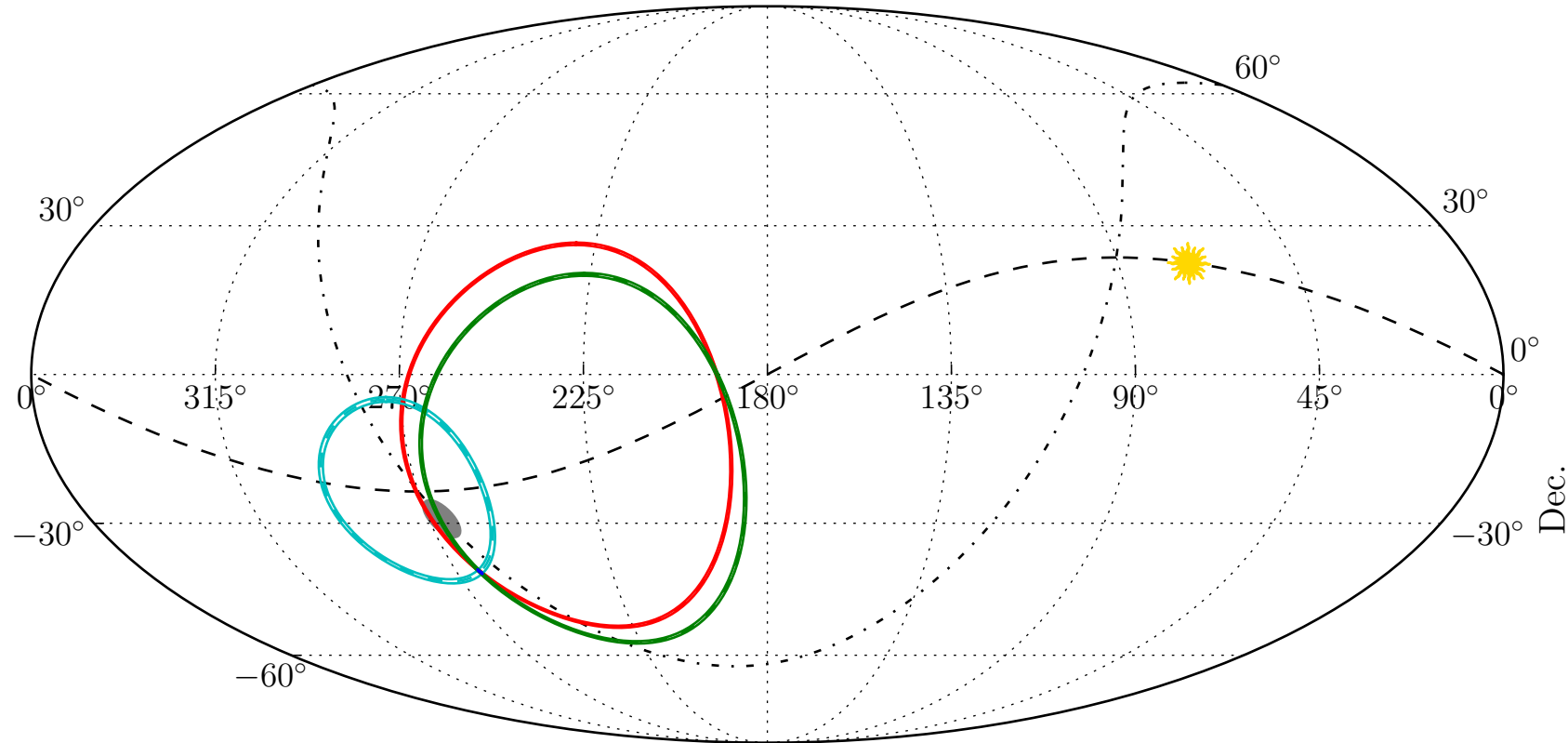
# GRB20140501\_T06310 (2014-05-01 T<sub>0</sub>=6310.637 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	24.0458	14.3501	80.3650	0.2497
KW - INT	25.7035	13.0666	80.2789	0.1749
Ecl.Lat	270.0000	66.5610	40.0000	40.0000

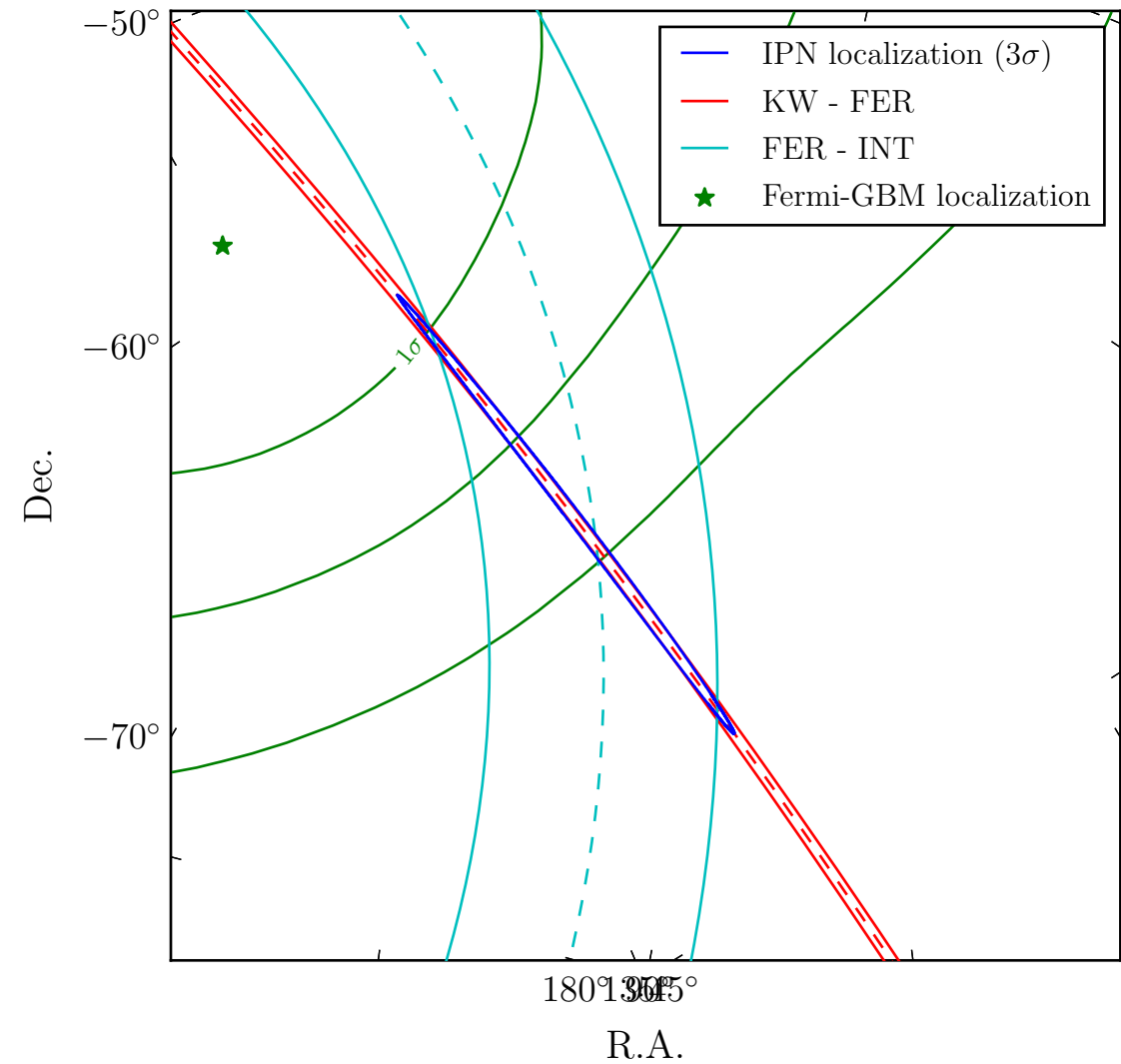
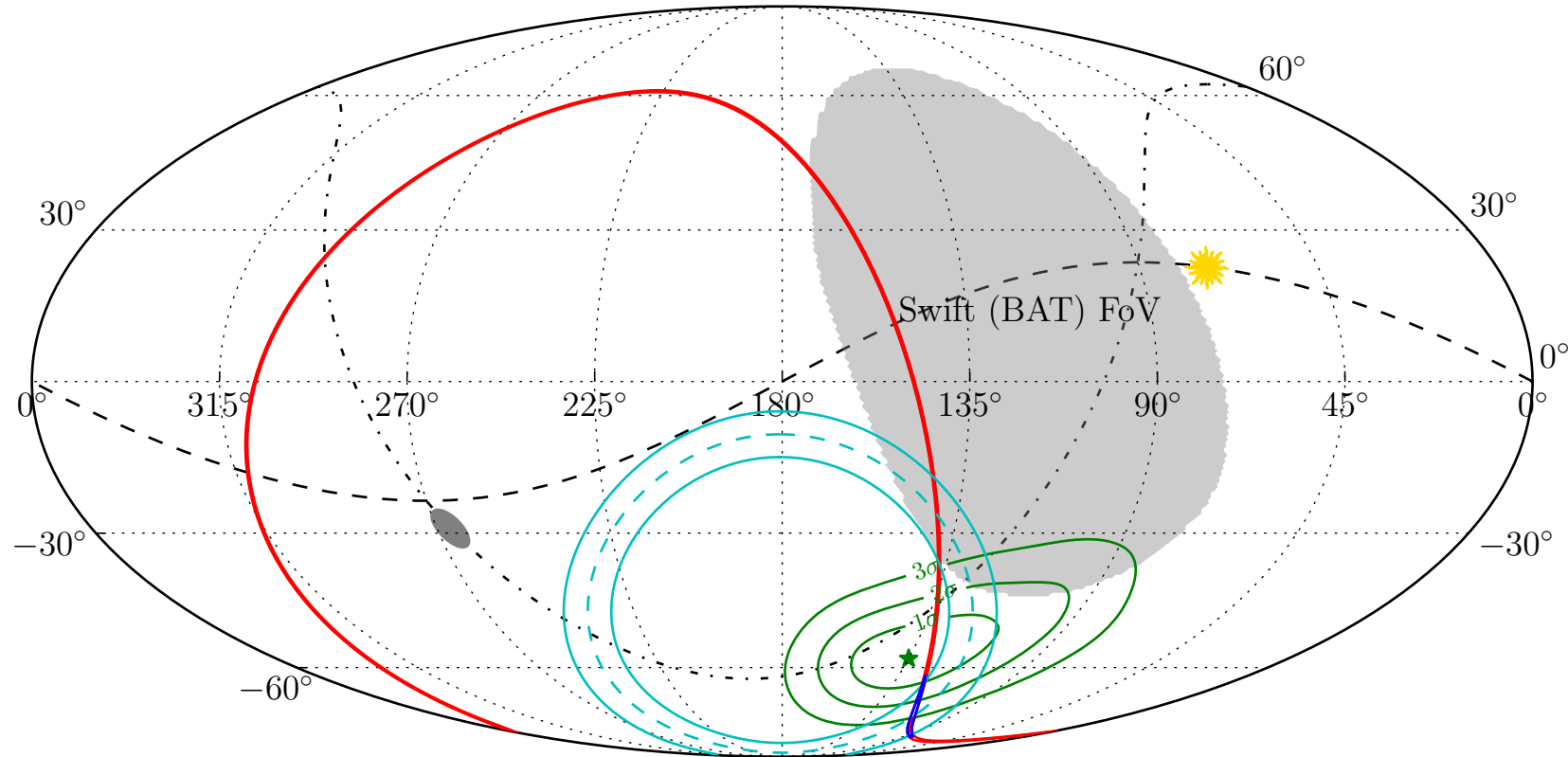
# GRB140604A (2014-06-04 T<sub>0</sub>=17415.447 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	230.0267	-13.3585	39.6053	0.2501
KW - MES	273.4633	-23.7212	18.7792	0.4622
KW - AGI	226.5866	-18.3842	38.3816	0.2912

GRB20140605\_T32571 (2014-06-05  $T_0=32571.642$  s, UT)

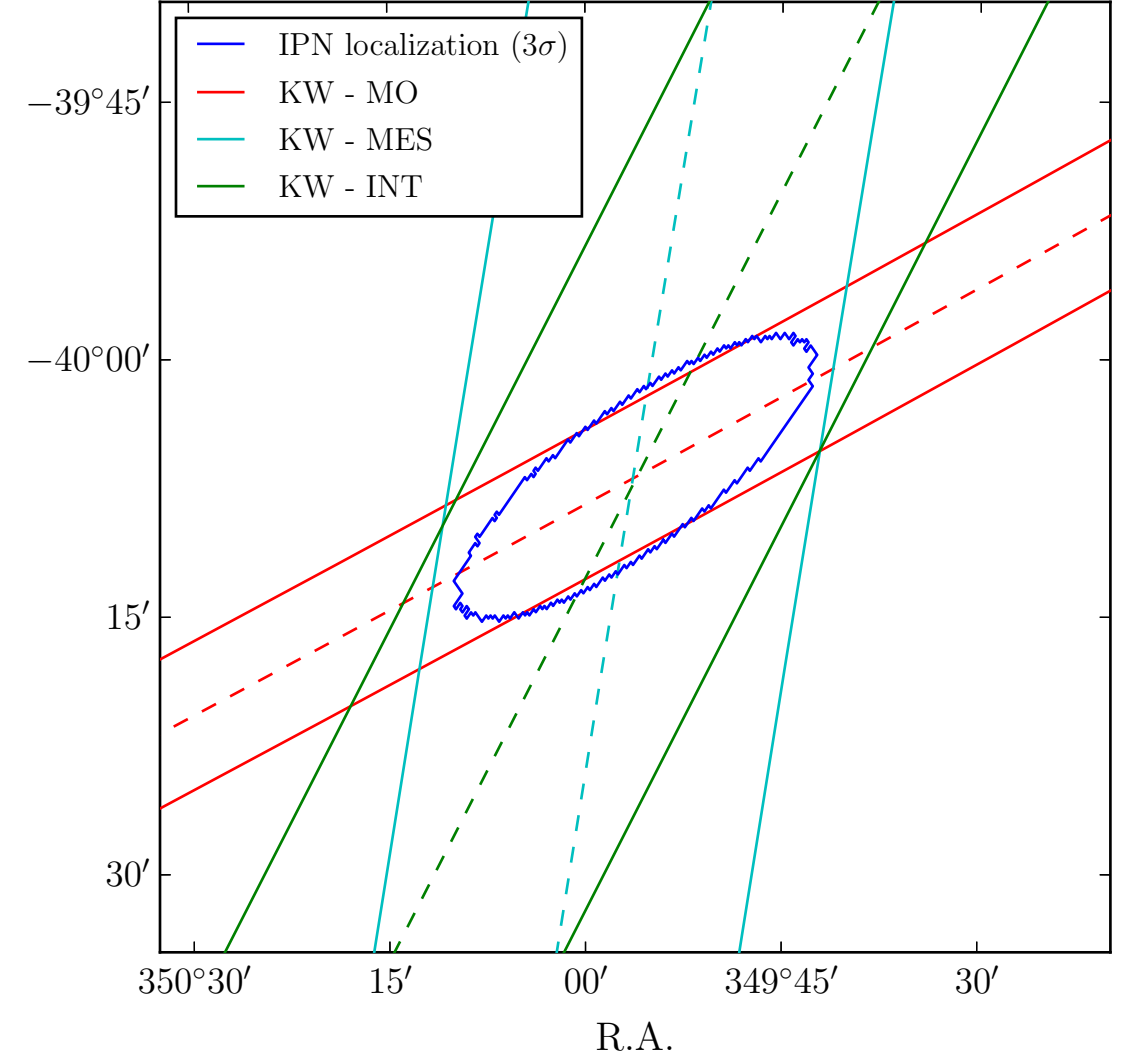
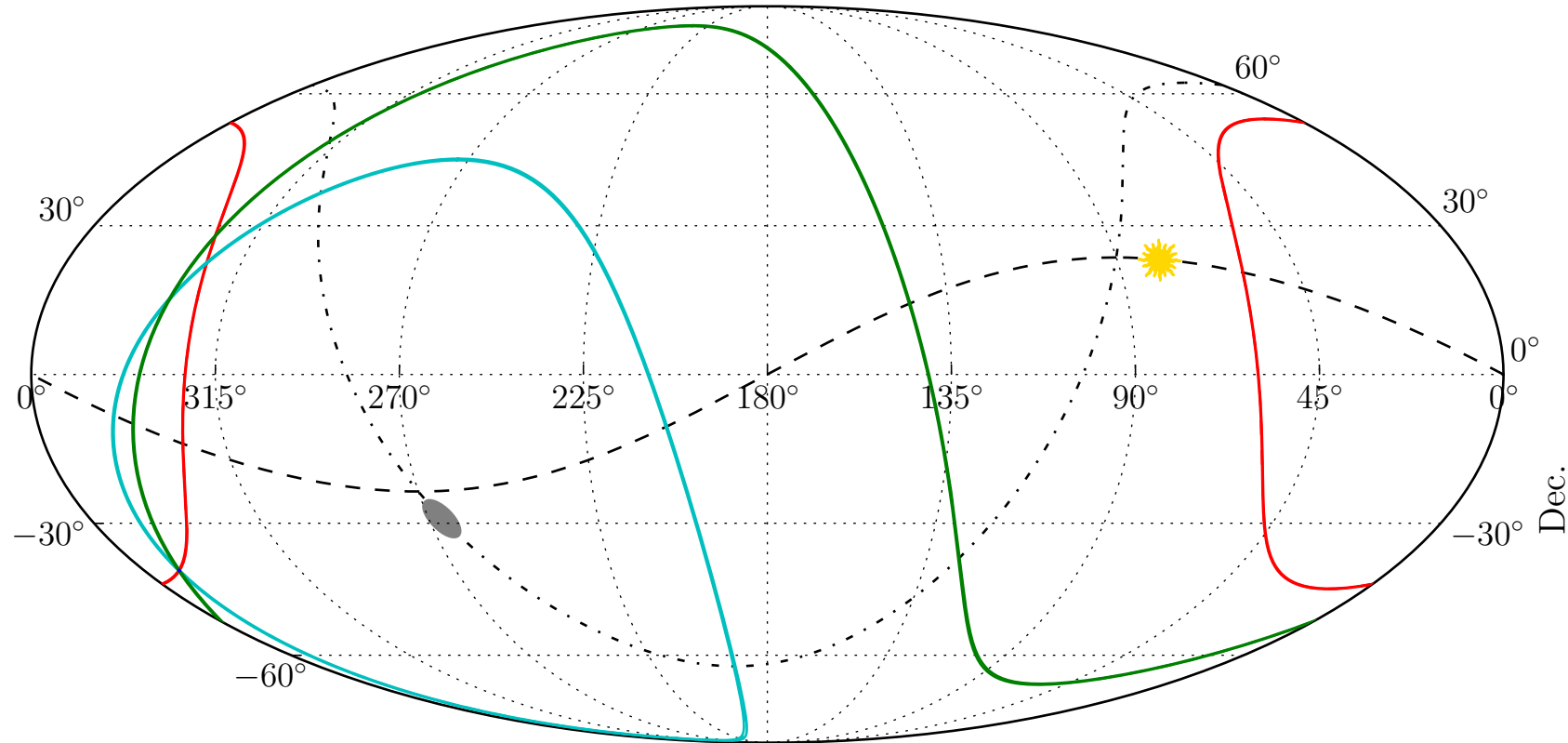


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	227.4355	-18.4688	79.5641	0.2302
FER - INT	180.5858	-48.6675	38.3977	4.4720



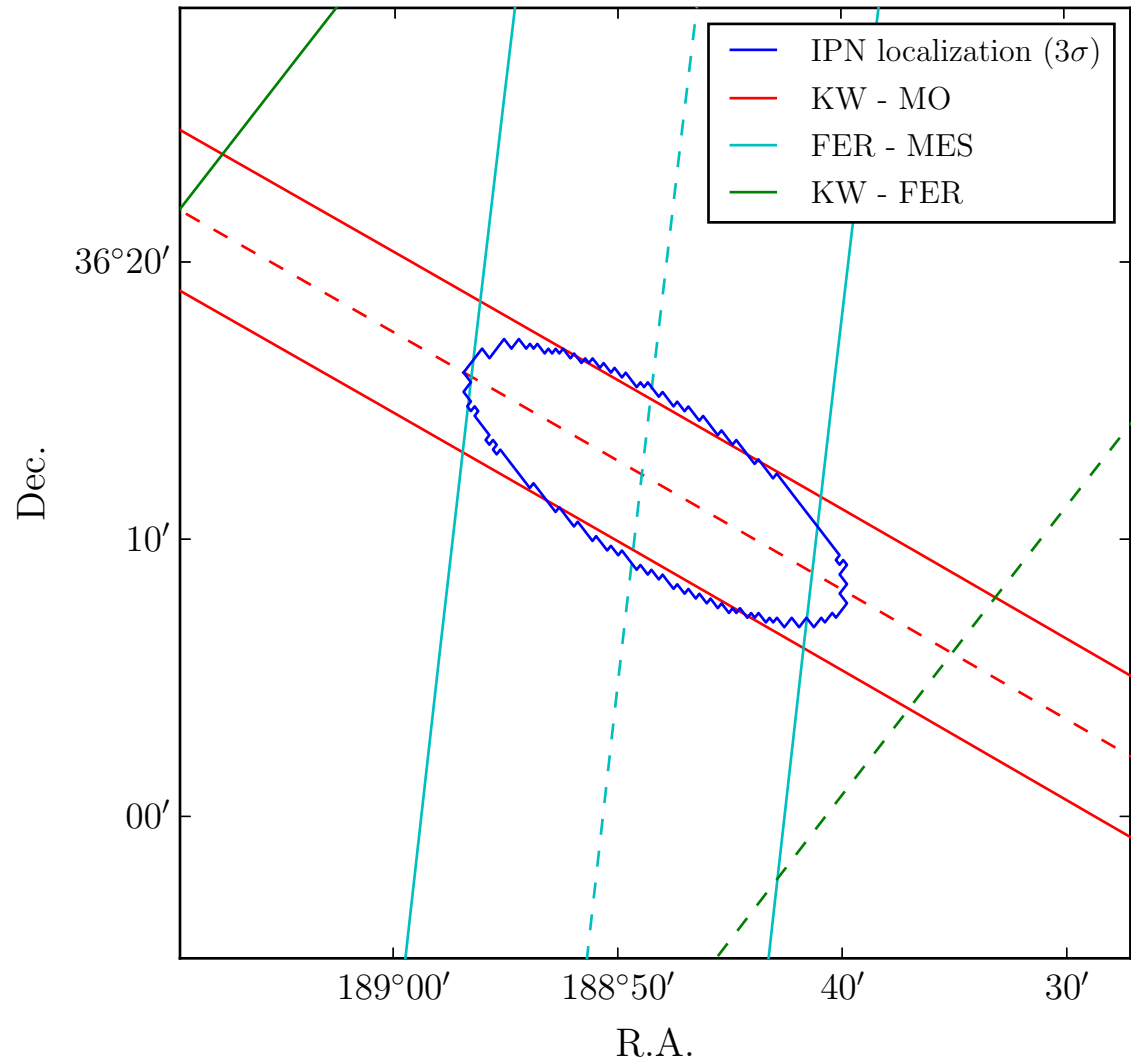
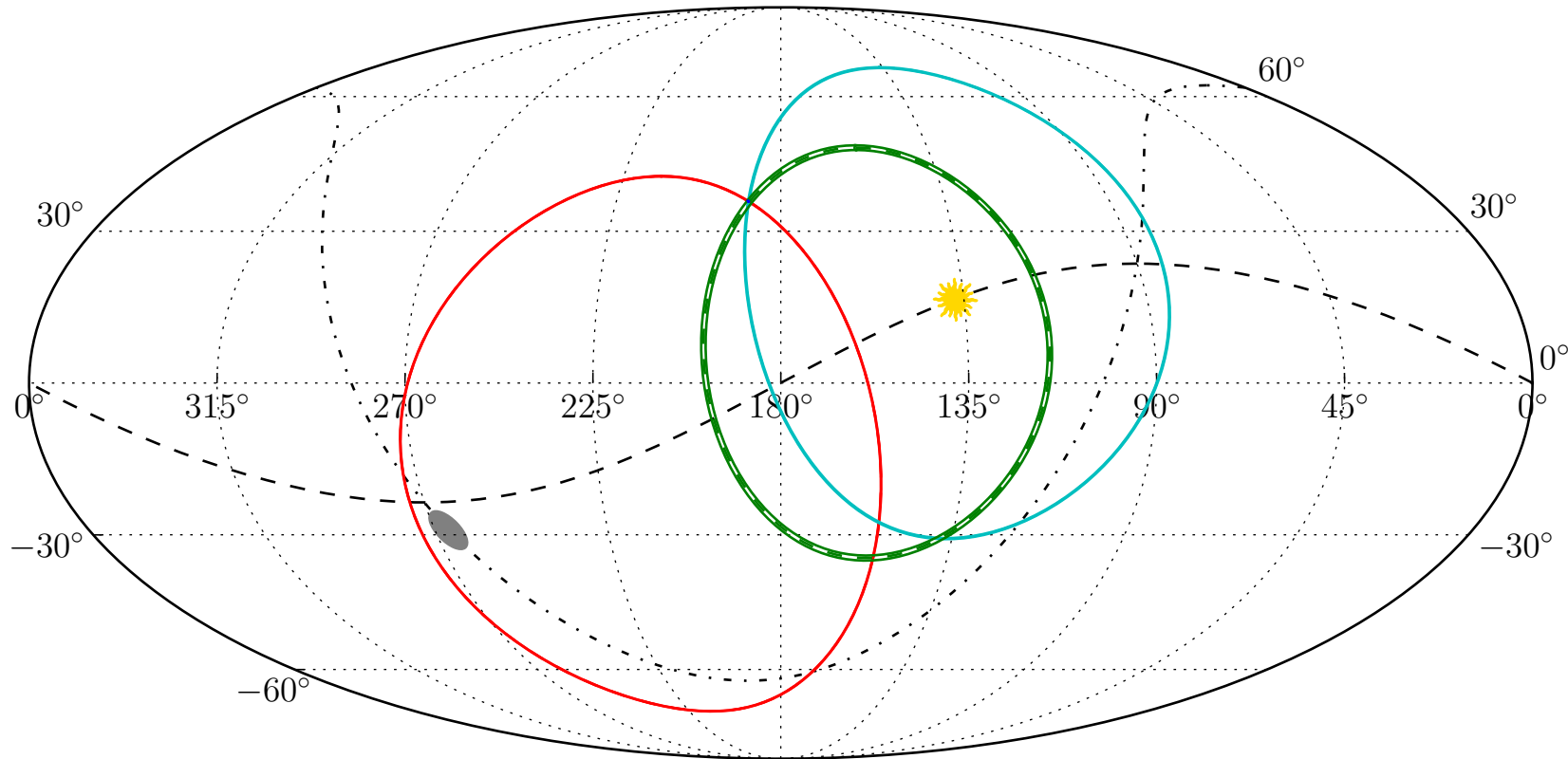
# GRB140611A (2014-06-11 T<sub>0</sub>=13864.927 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	11.1863	4.7822	48.9625	0.0638
KW - MES	273.2867	-21.8577	66.1878	0.1750
KW - INT	57.0698	15.9792	83.7834	0.1466

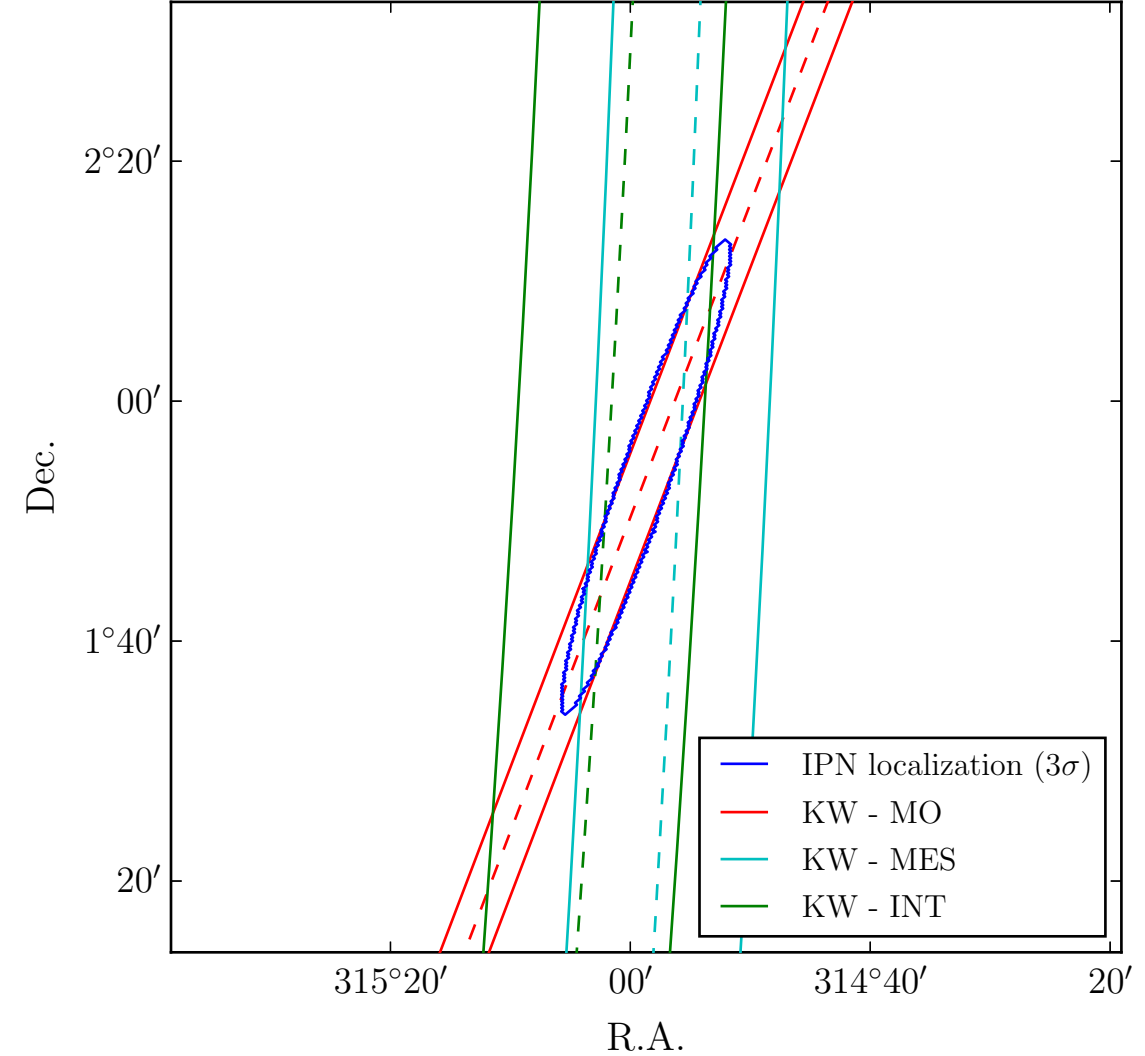
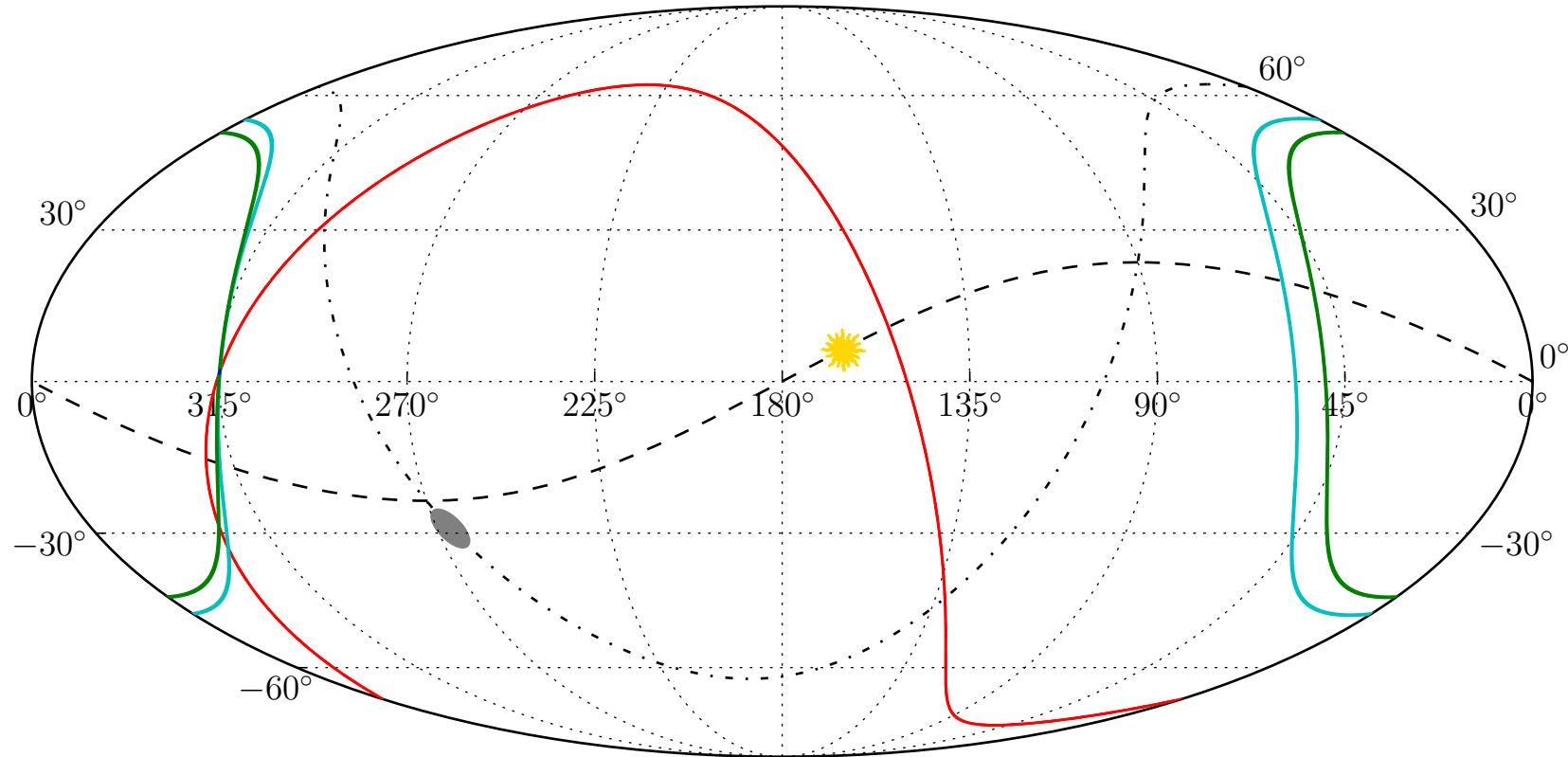
GRB20140807\_T43169 (2014-08-07 T<sub>0</sub>=43169.976 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	214.2364	-14.8586	56.4318	0.0420
FER - MES	136.3818	18.4177	49.2035	0.1085
KW - FER	156.9608	6.5358	41.3564	0.5304

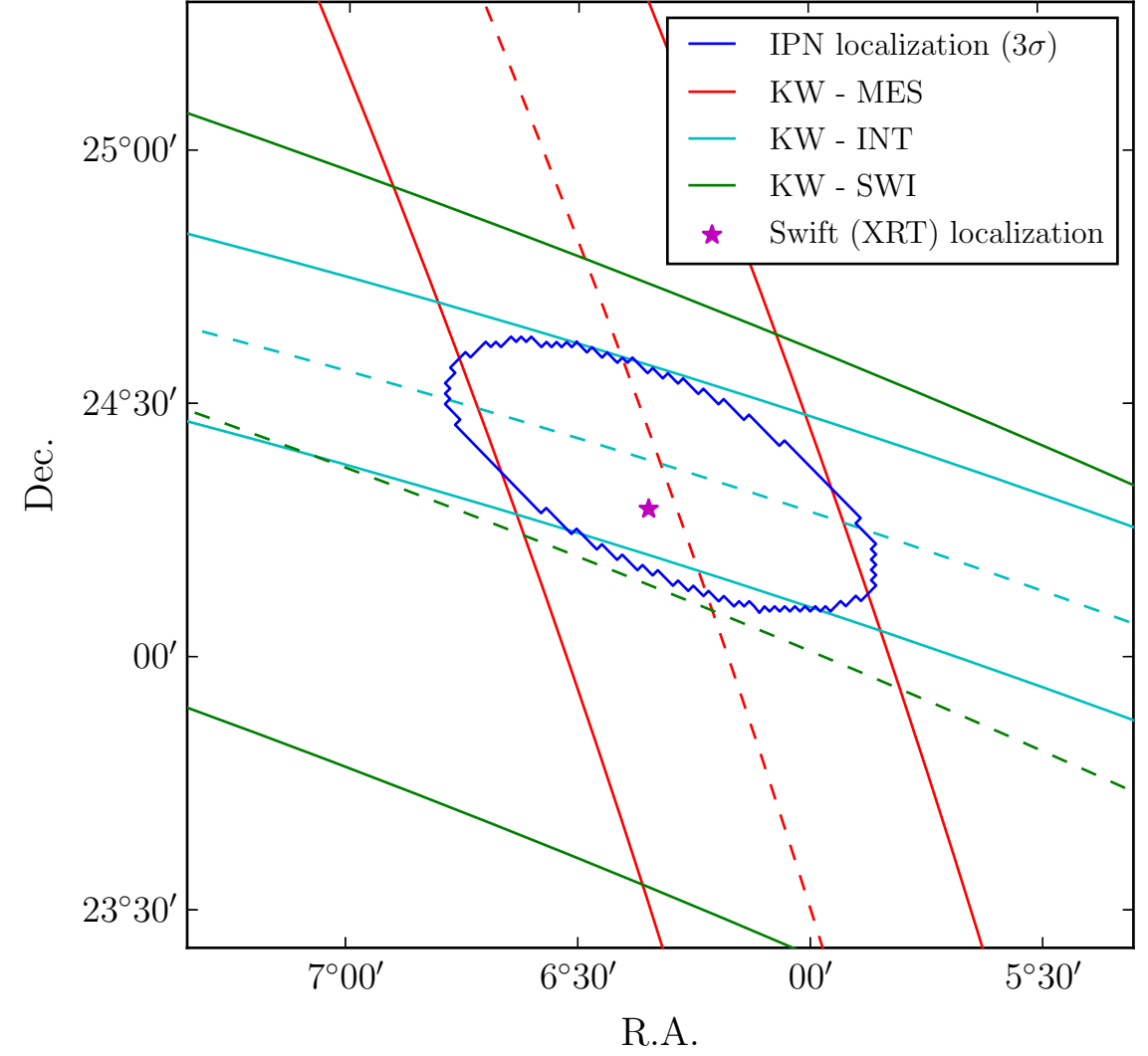
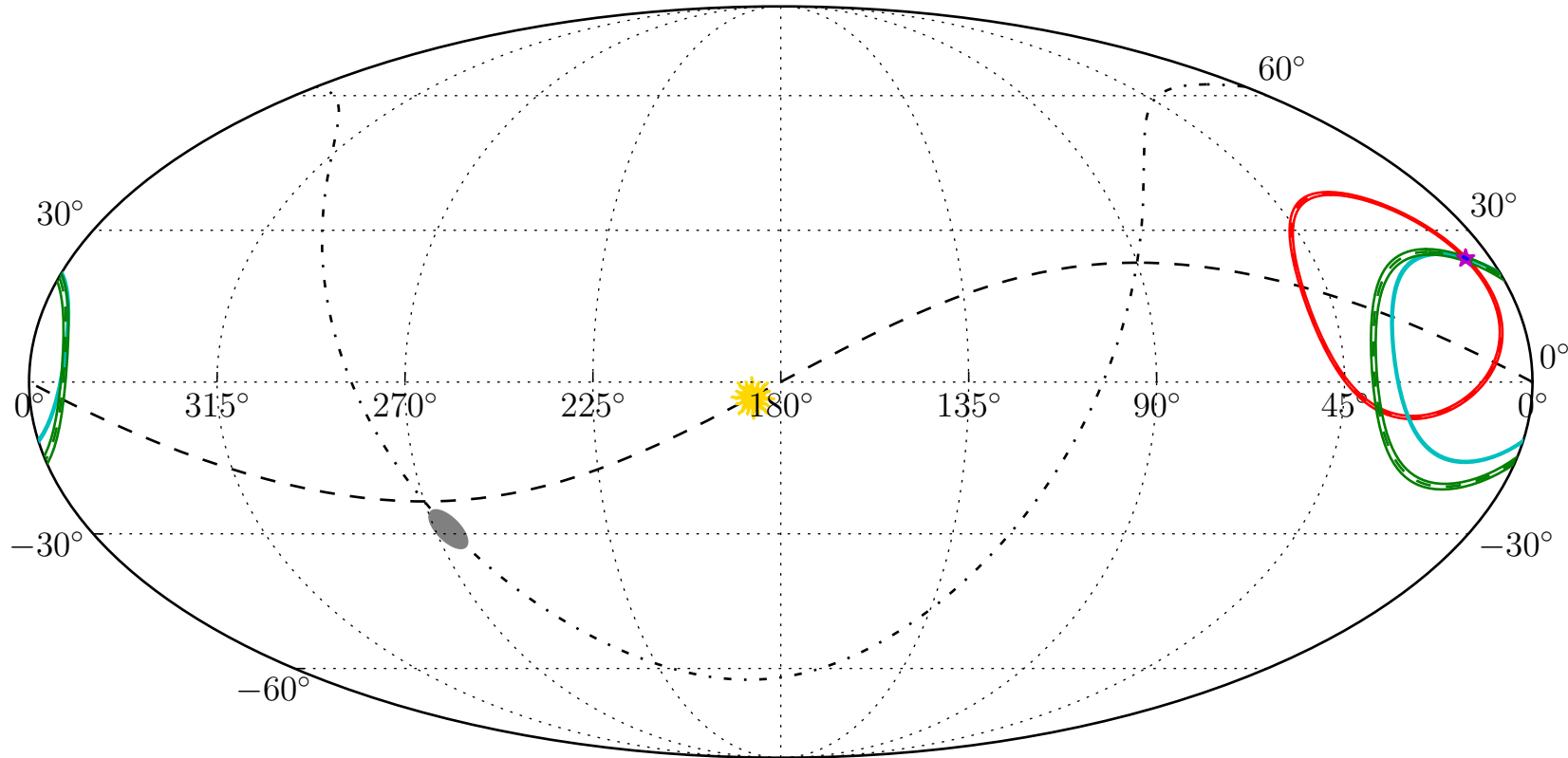
# GRB140906C (2014-09-06 $T_0=85872.815$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	232.8776	-20.5177	83.2782	0.0318
KW - MES	5.9295	3.3889	50.9597	0.1207
KW - INT	2.4166	3.7631	47.3580	0.1293

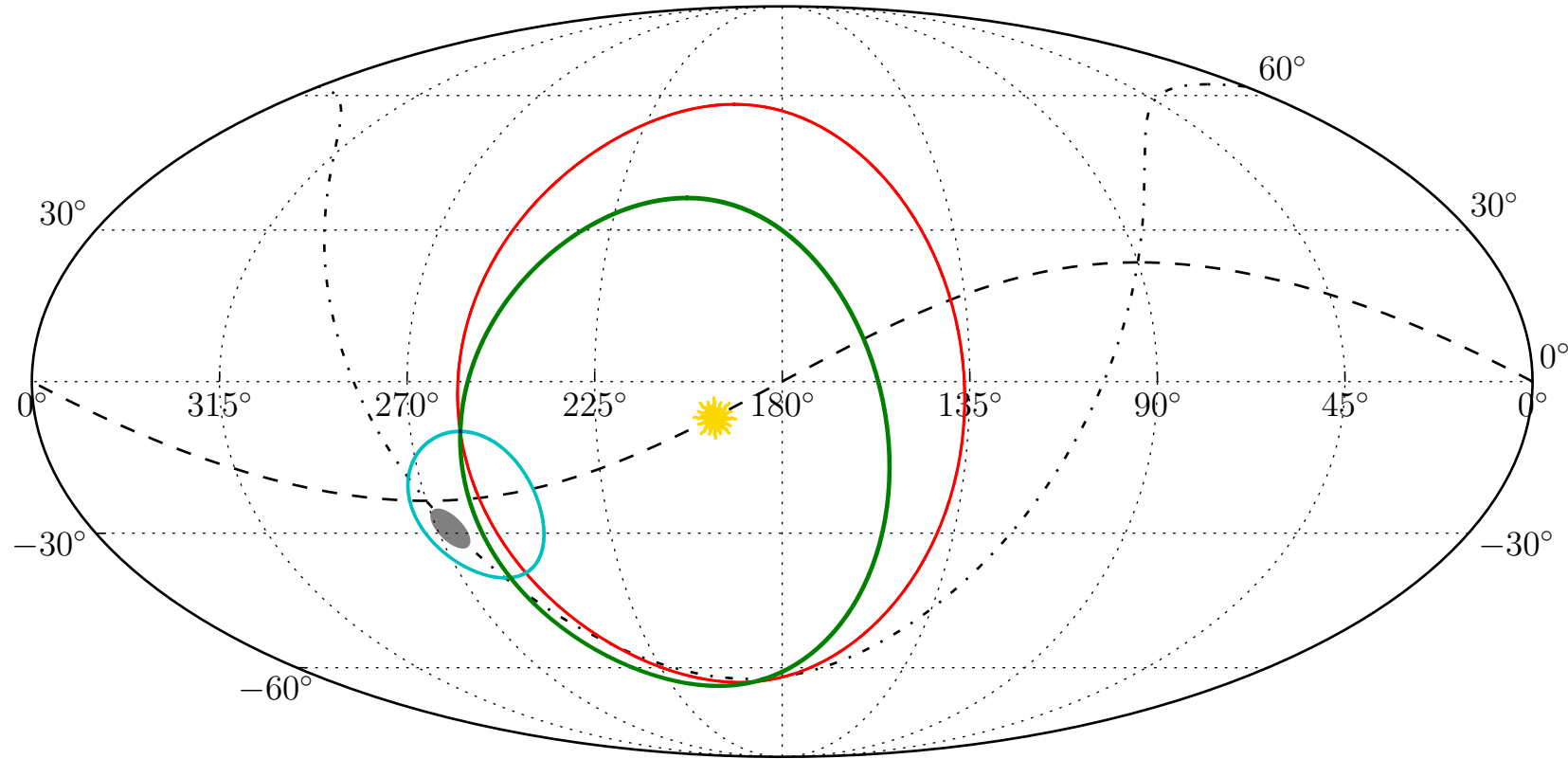
# GRB140930B (2014-09-30 $T_0=70907.149$ s, UT)



Parameters of IPN annuli

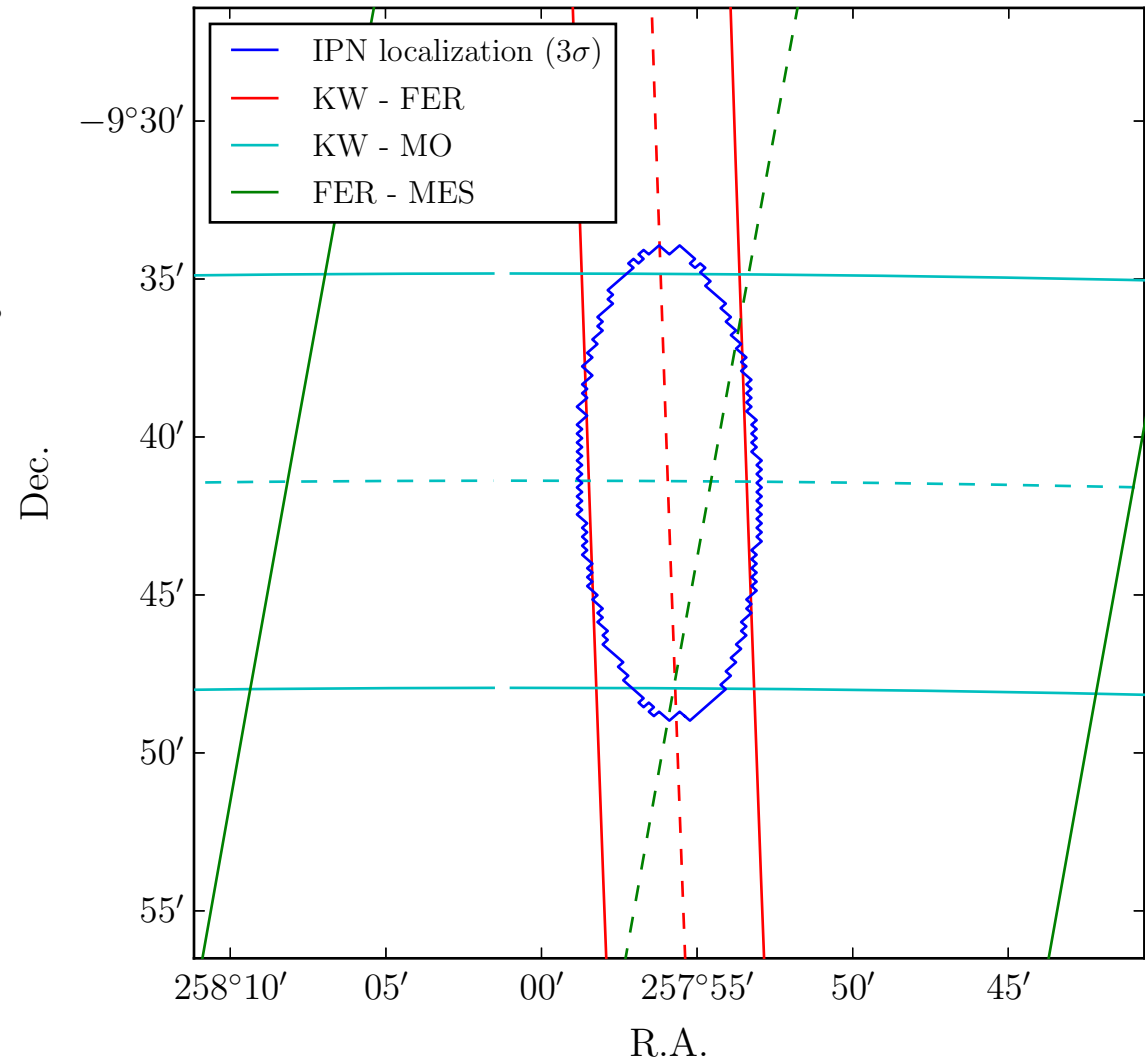
Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	28.0555	15.3914	22.2885	0.3014
KW - INT	12.3149	4.8140	20.4017	0.1791
KW - SWI	14.7520	2.5696	23.0527	0.5529

# GRB141011A (2014-10-11 T<sub>0</sub>=24377.666 s, UT)

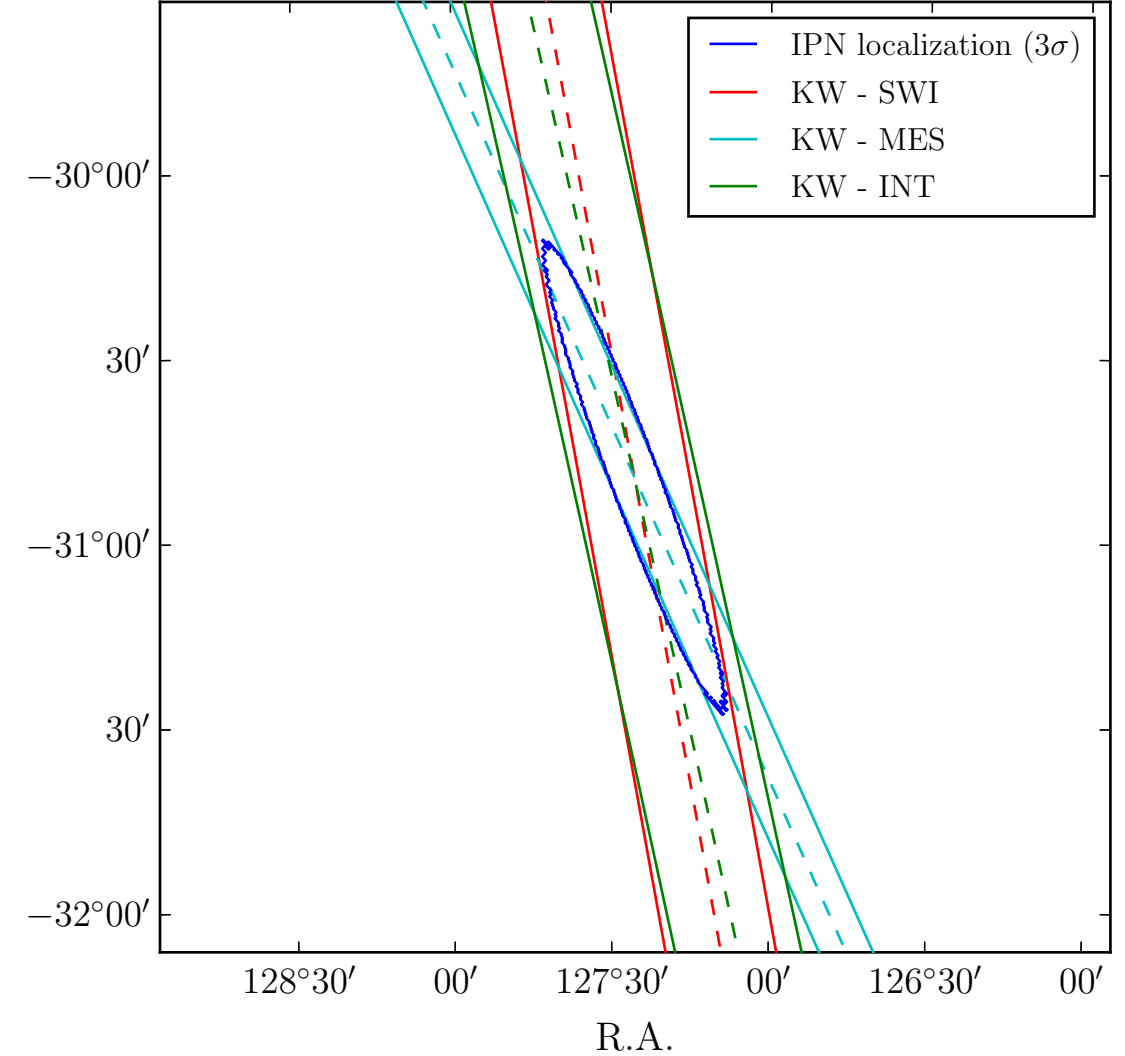
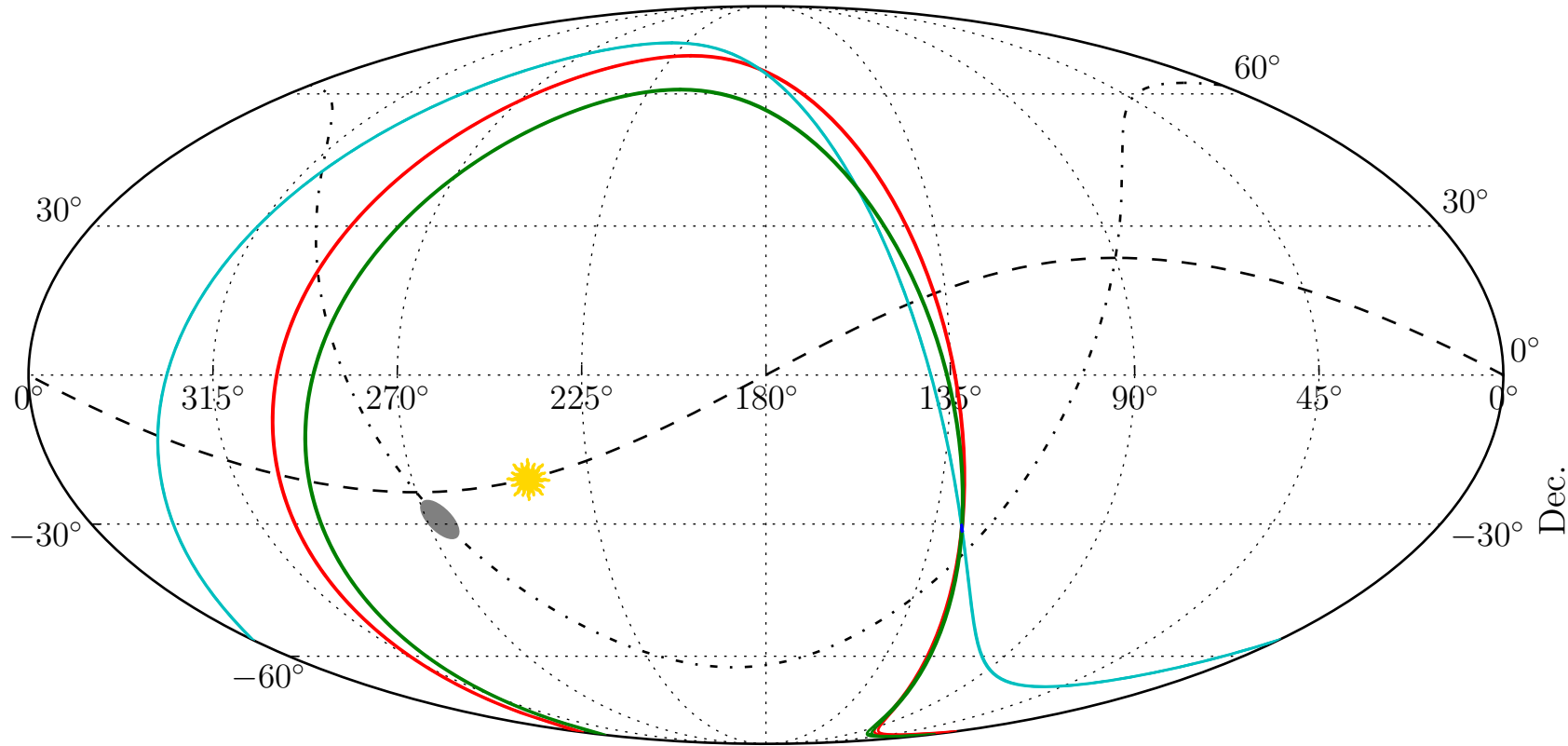


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	197.0630	-2.9716	60.7949	0.0416
KW - MO	258.0163	-24.5365	14.8467	0.1093
FER - MES	206.2008	-14.0262	50.6982	0.2198



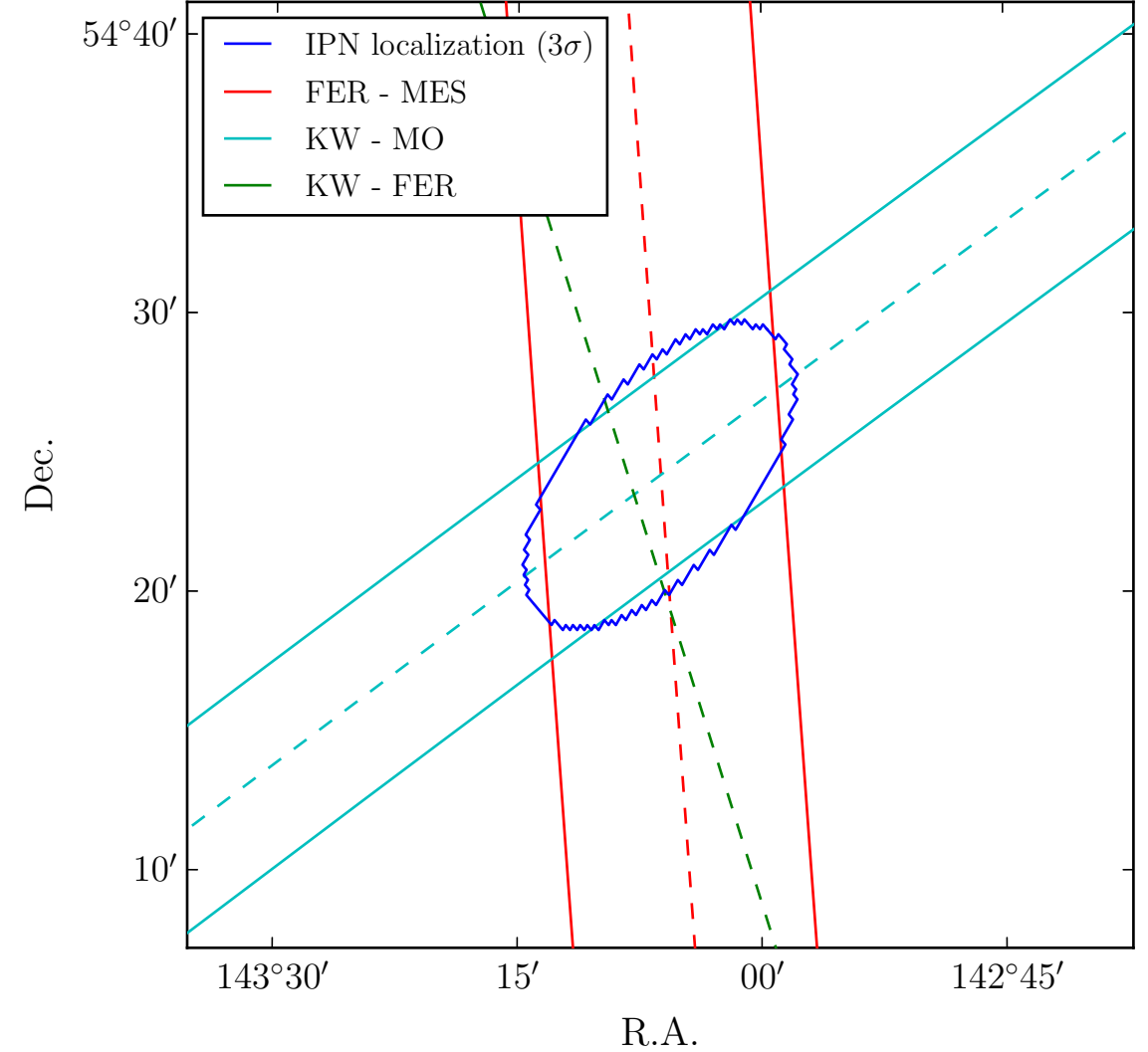
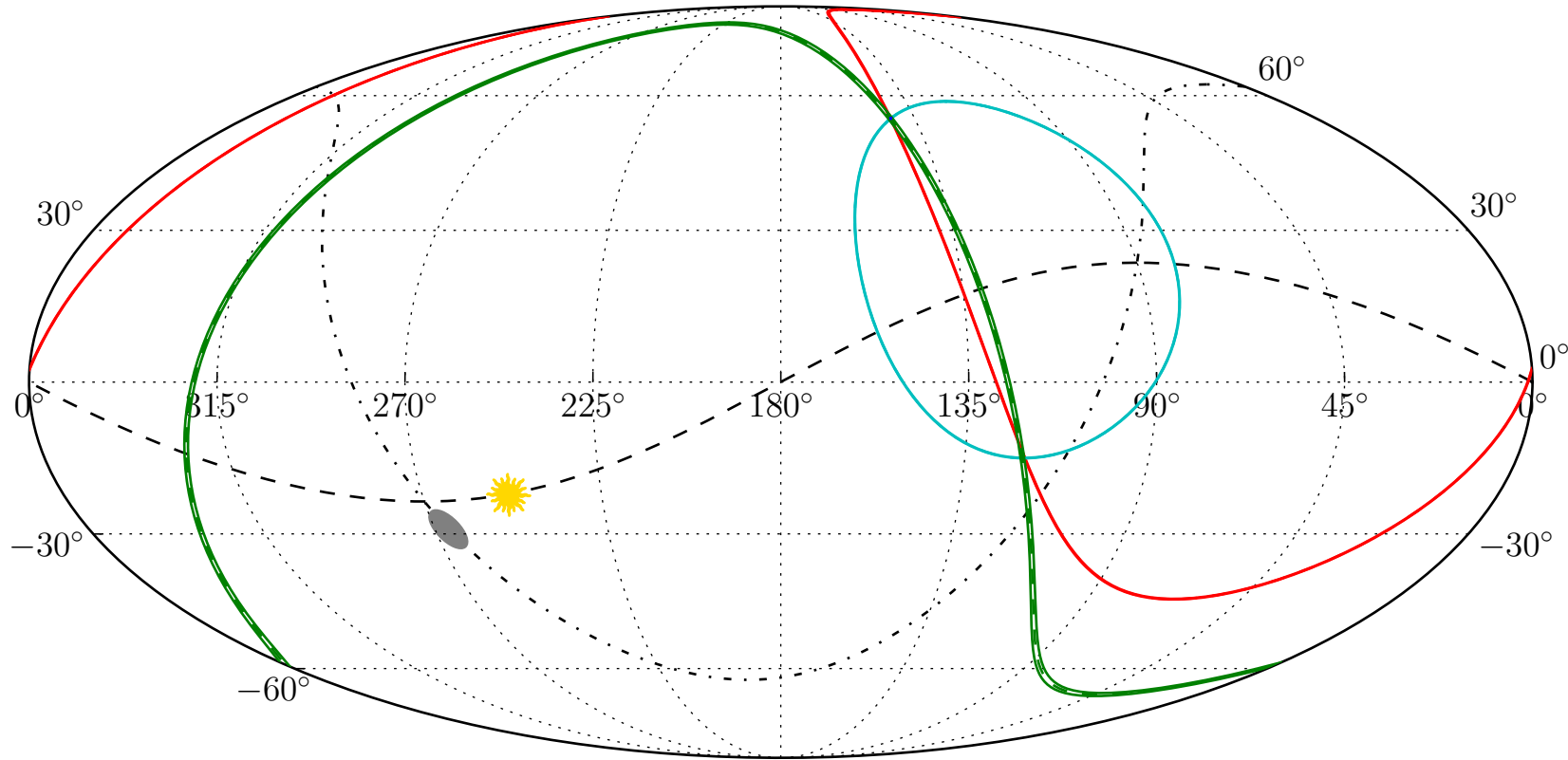
# GRB141125A (2014-11-25 $T_0=12782.568$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	216.6297	-12.5198	82.9493	0.1474
KW - MES	52.9975	18.7078	86.9061	0.0669
KW - INT	213.1566	-16.8022	77.9161	0.1673

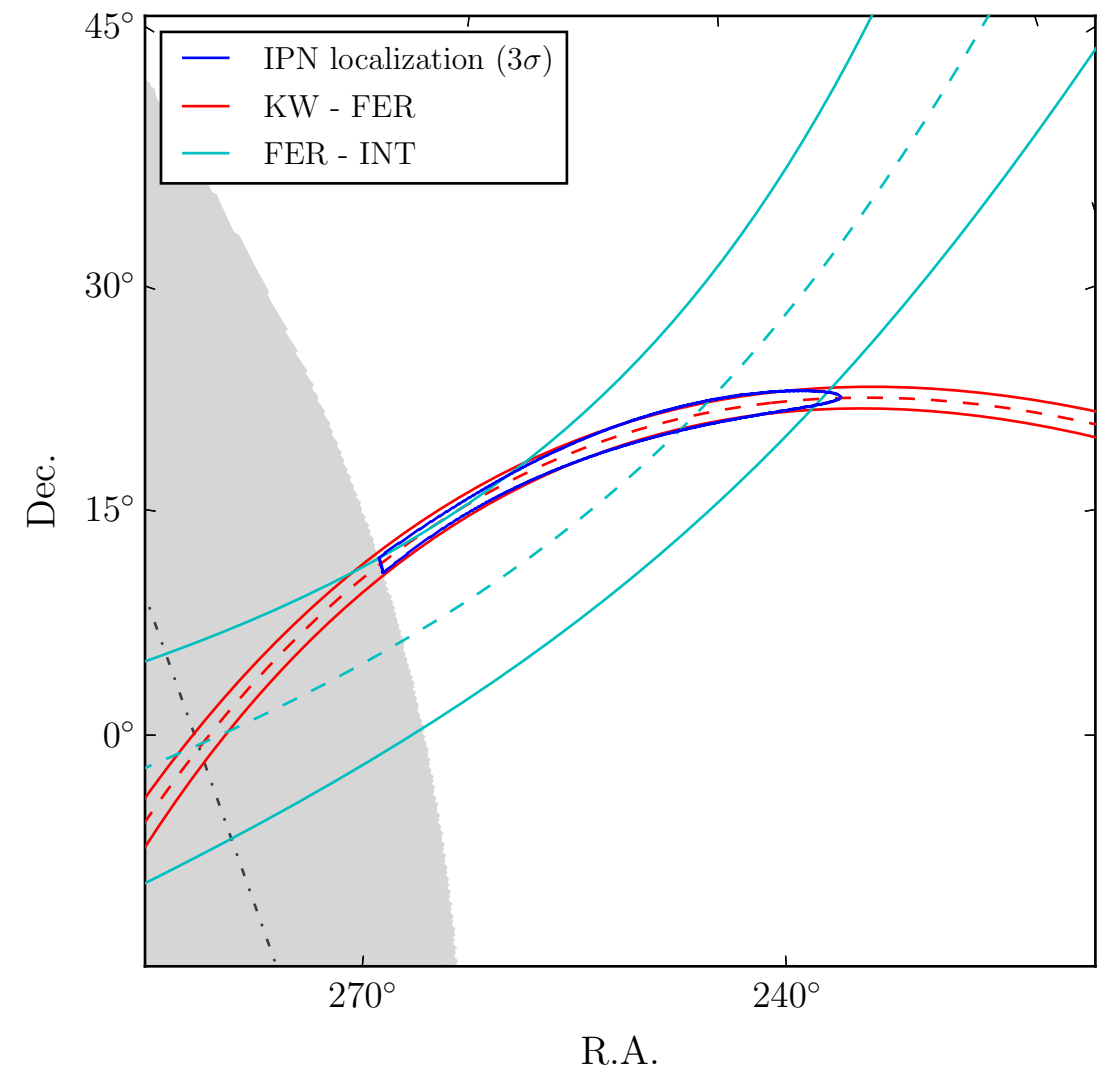
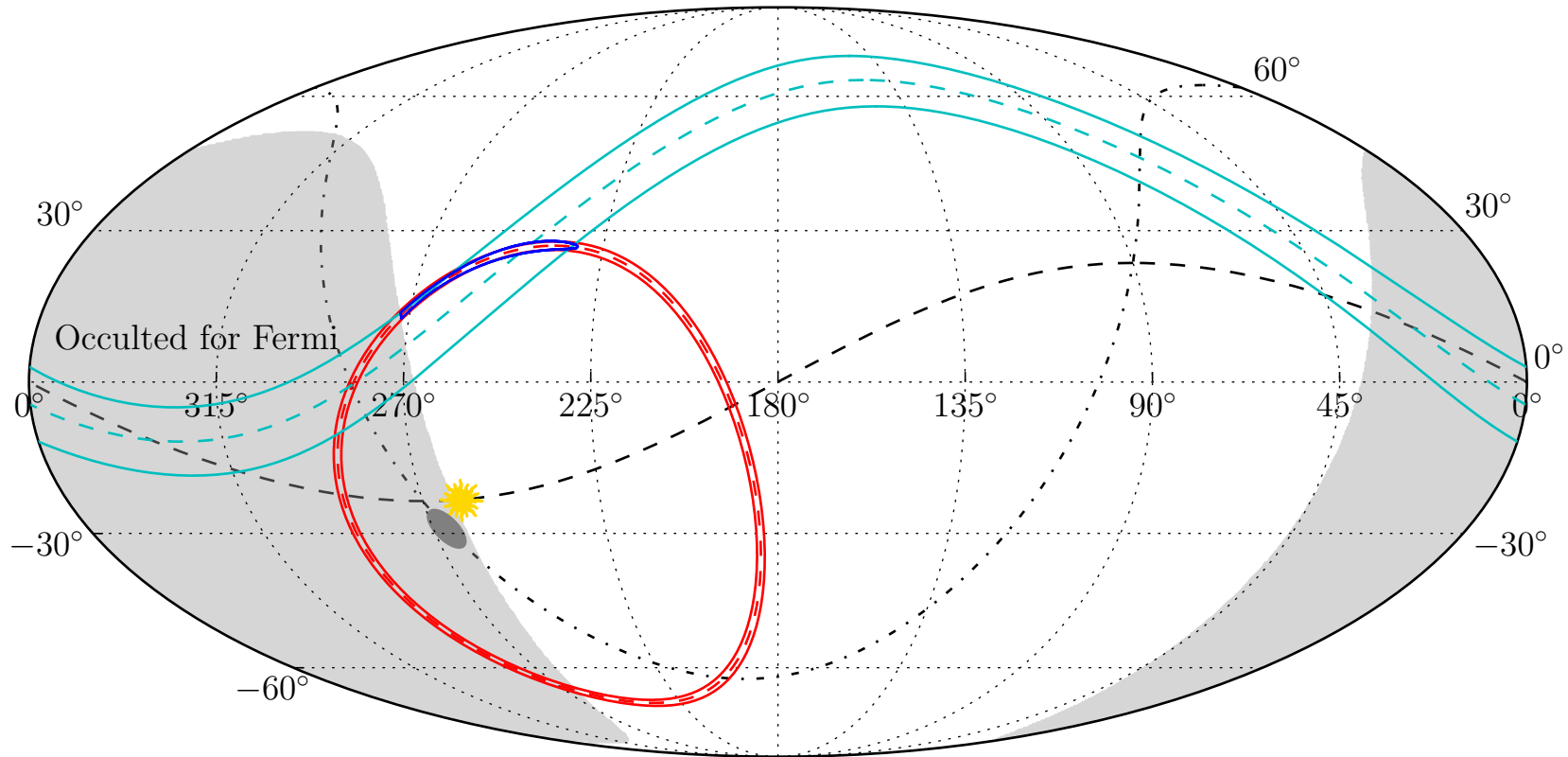
# GRB141202A (2014-12-02 T<sub>0</sub>=40626.305 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - MES	64.7543	21.8623	65.6764	0.0728
KW - MO	120.5256	21.8829	36.6978	0.0495
KW - FER	43.1024	15.9554	82.7611	0.4142

GRB20141213\_T25932 (2014-12-13 T<sub>0</sub>=25932.487 s, UT)

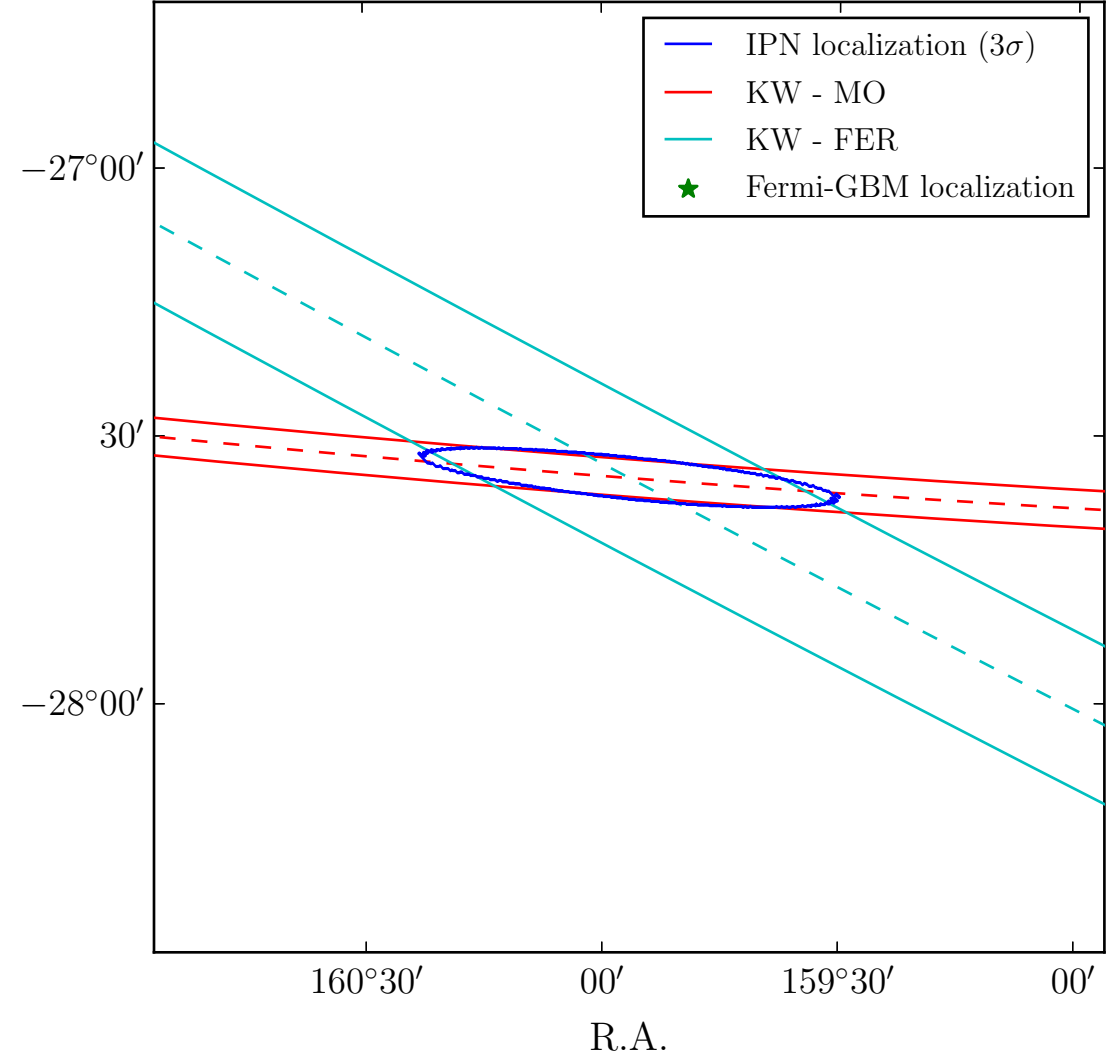
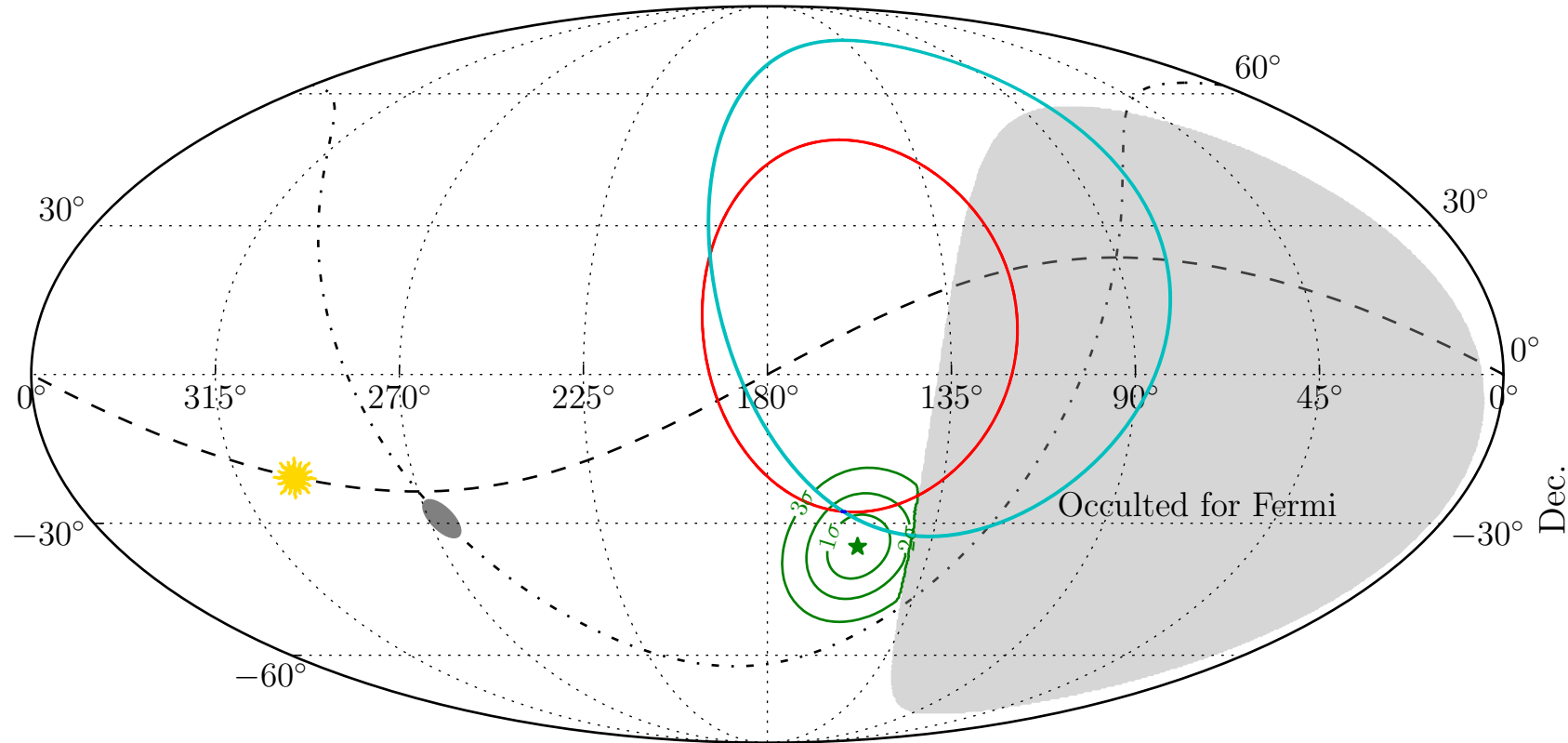


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	237.6624	-21.2373	48.1735	0.8571
FER - INT	325.2189	52.0735	63.7147	6.7006



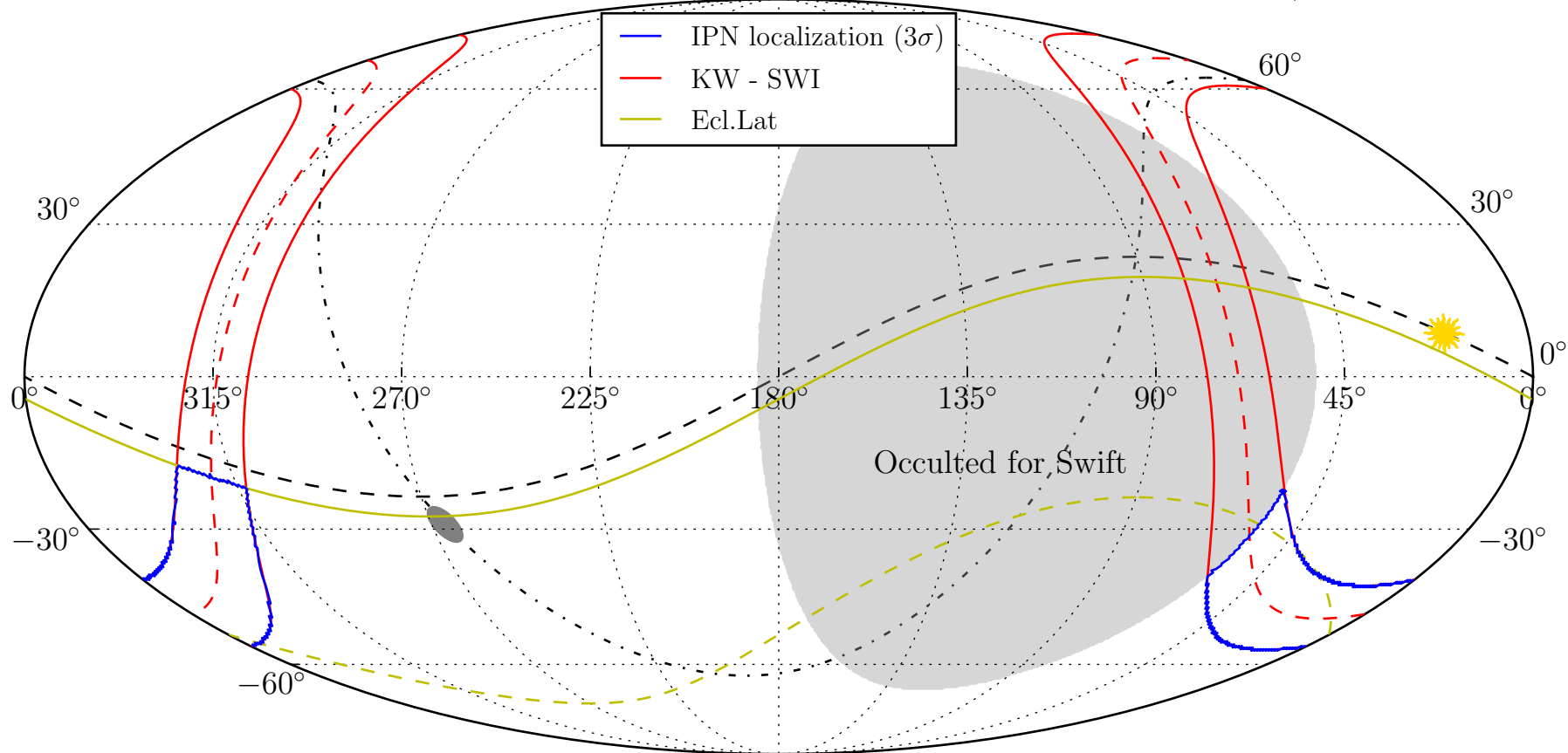
# GRB150118C (2015-01-18 $T_0=80075.206$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	157.1621	10.5646	38.2418	0.0350
KW - FER	136.0257	21.1999	53.9863	0.1313

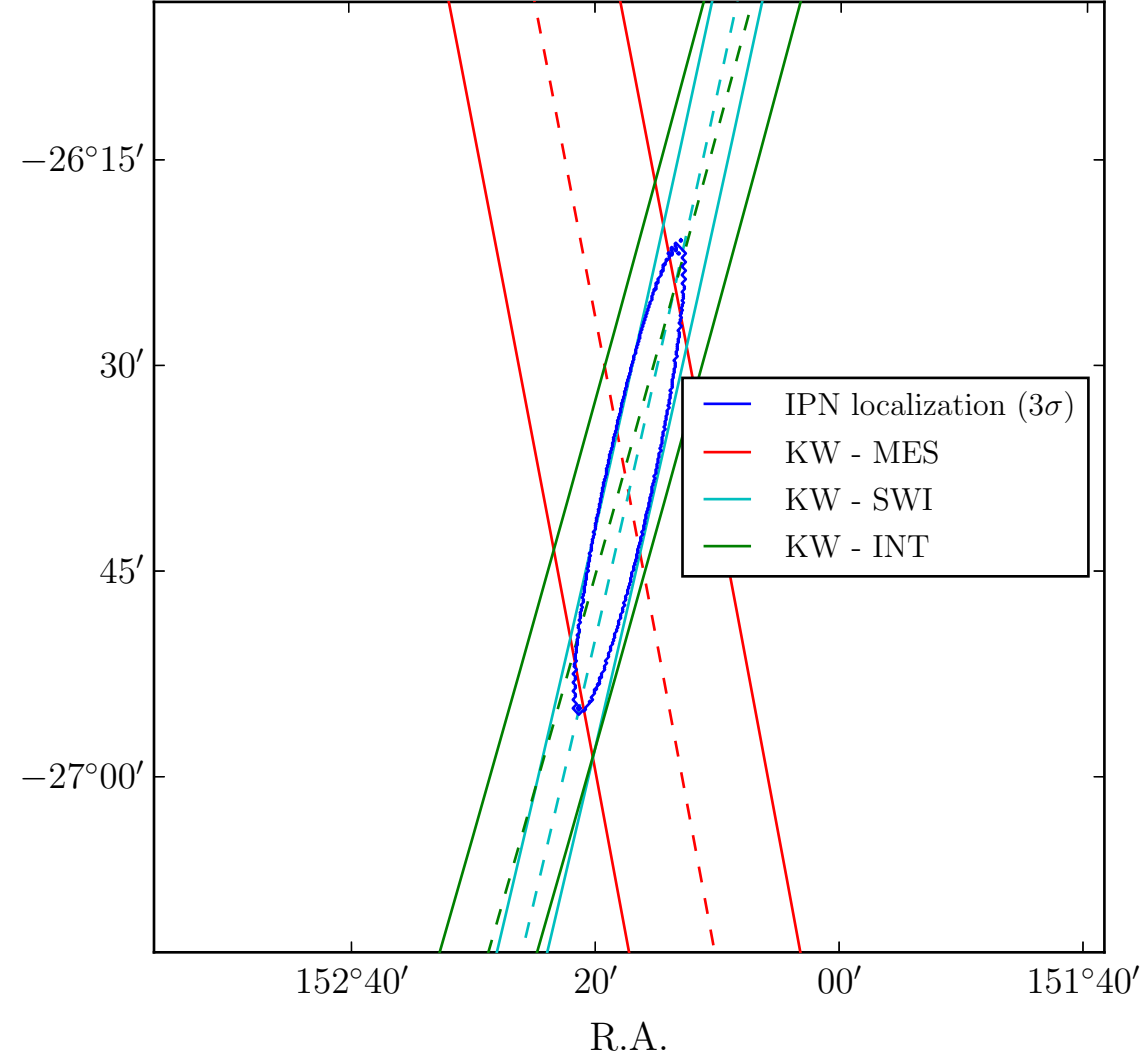
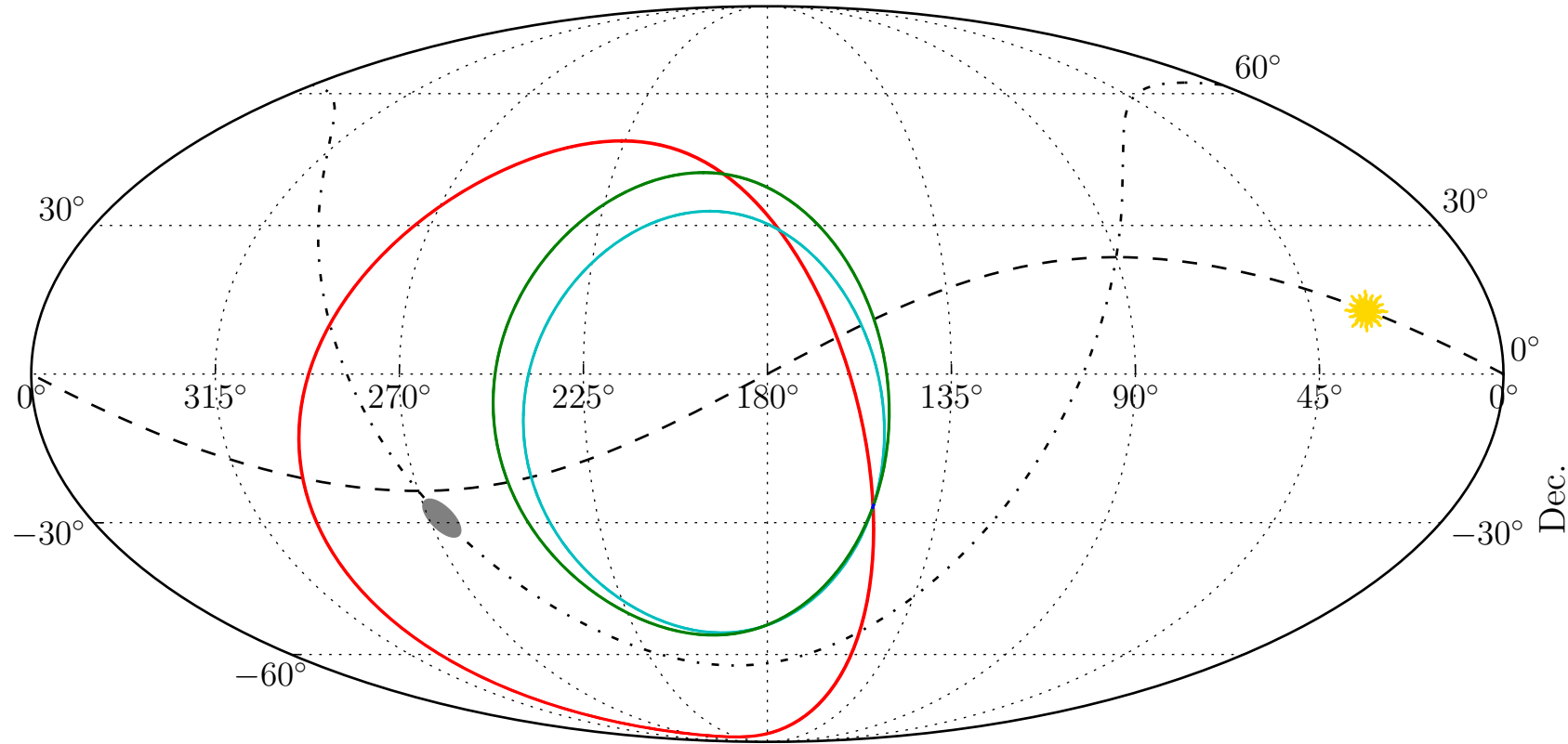
# GRB20150412\_T26160 (2015-04-12 T<sub>0</sub>=26160.548 s, UT)



Parameters of IPN annuli

Instrument	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	12.1703	9.4799	58.6288	7.2566
Ecl.Lat	270.0000	66.5610	137.0000	43.0000

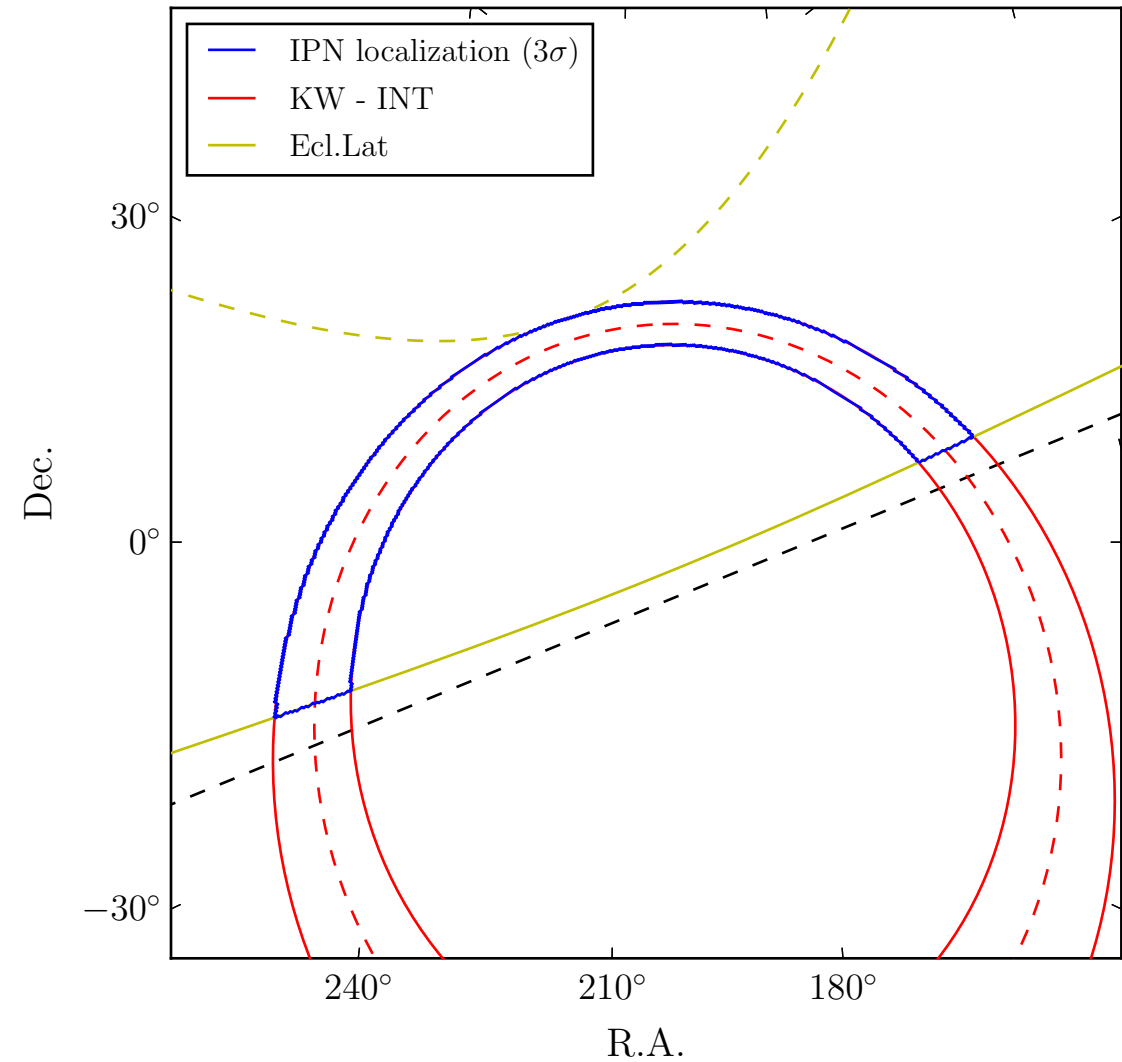
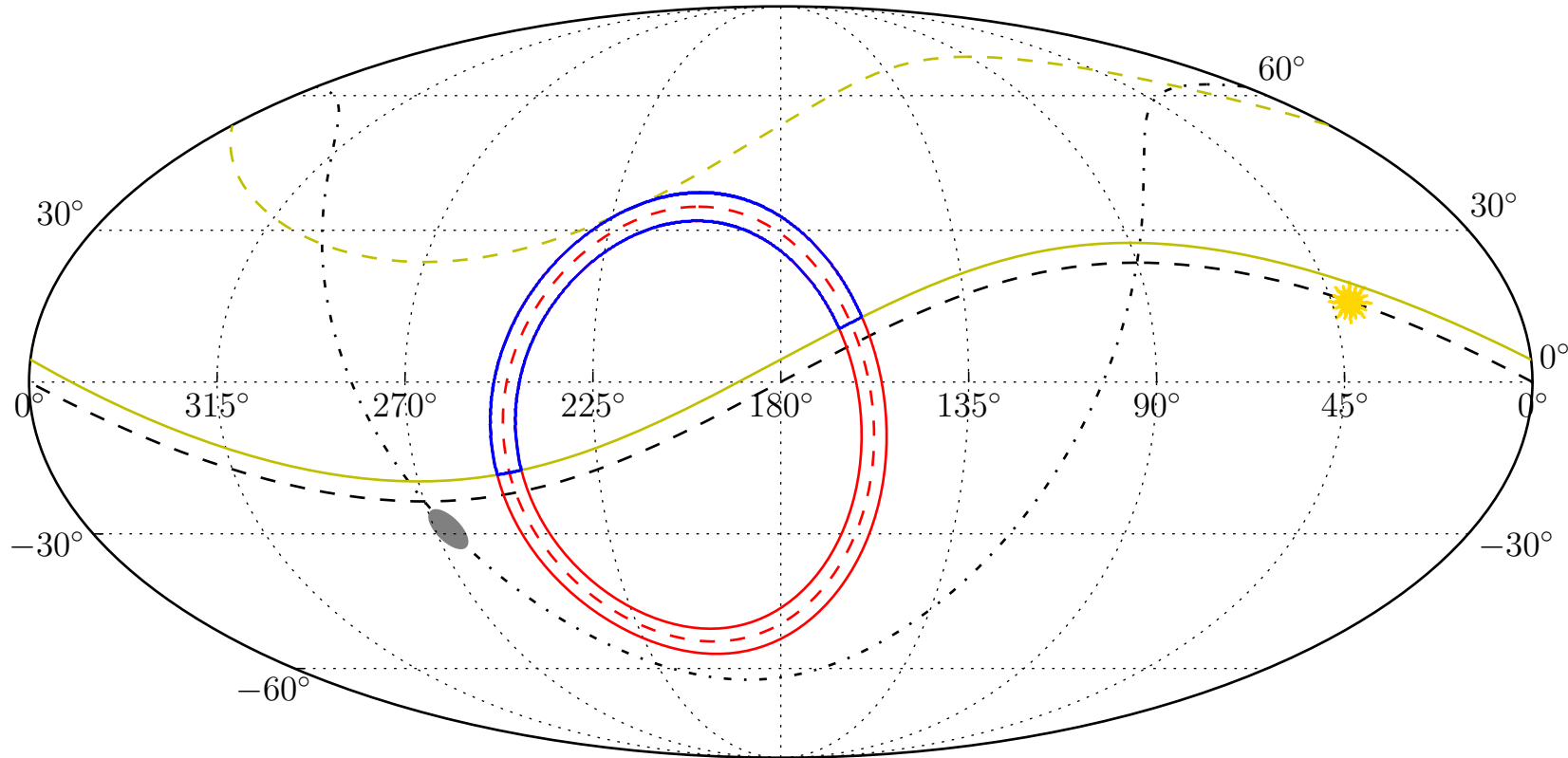
# GRB150424A (2015-04-24 T<sub>0</sub>=27781.073 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MES	226.0277	-18.9813	67.5081	0.1024
KW - SWI	195.6881	-10.7836	43.7952	0.0298
KW - INT	198.7019	-6.8968	48.2613	0.0569

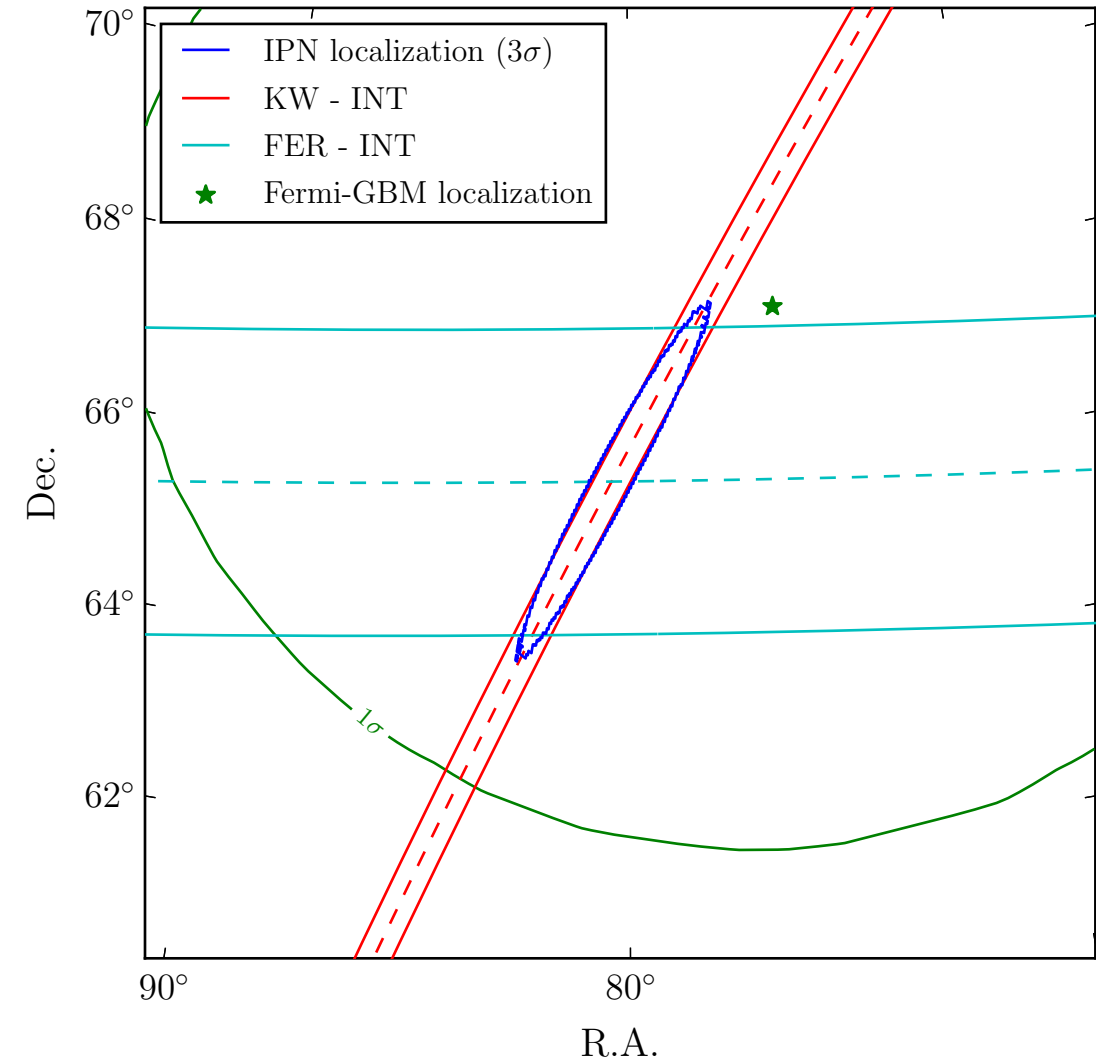
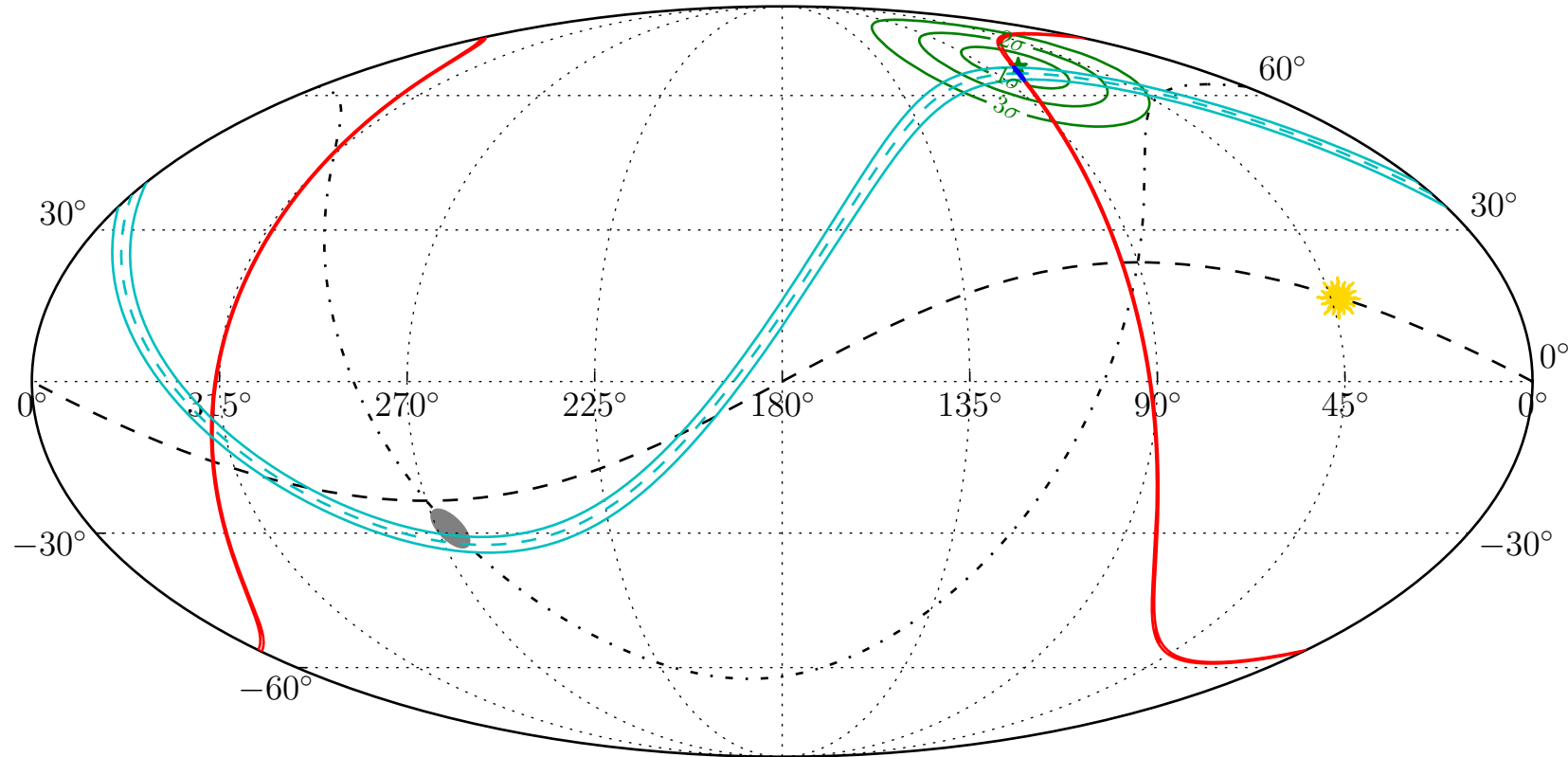
GRB20150503\_T78542 (2015-05-03 T<sub>0</sub>=78542.210 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	202.2670	-9.2682	44.1709	2.9708
Ecl.Lat	270.0000	66.5610	43.0000	43.0000

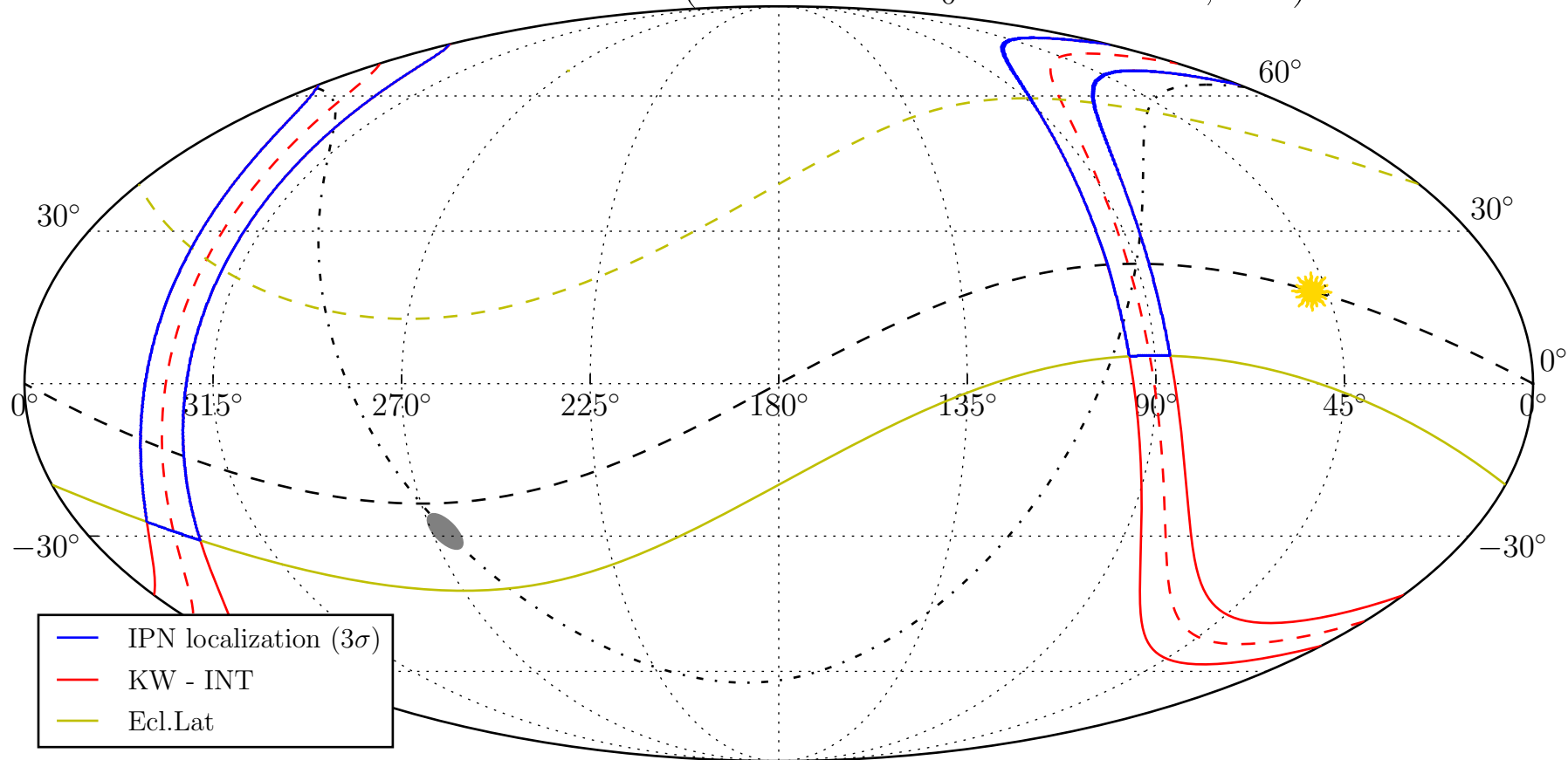
GRB20150506\_T54423 (2015-05-06  $T_0=54423.605$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	23.8389	9.3675	68.1985	0.1793
FER - INT	259.3460	40.9053	73.3362	1.6243

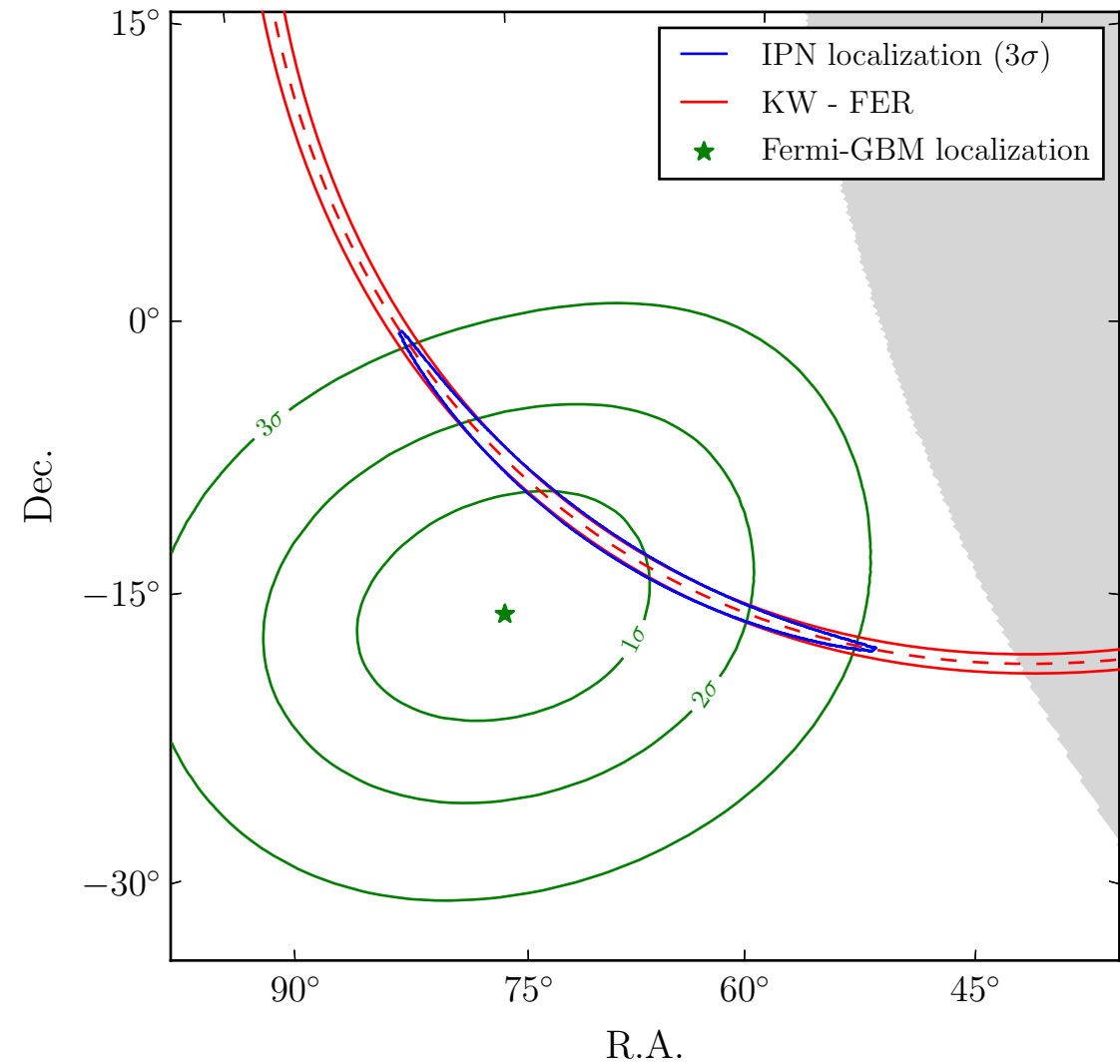
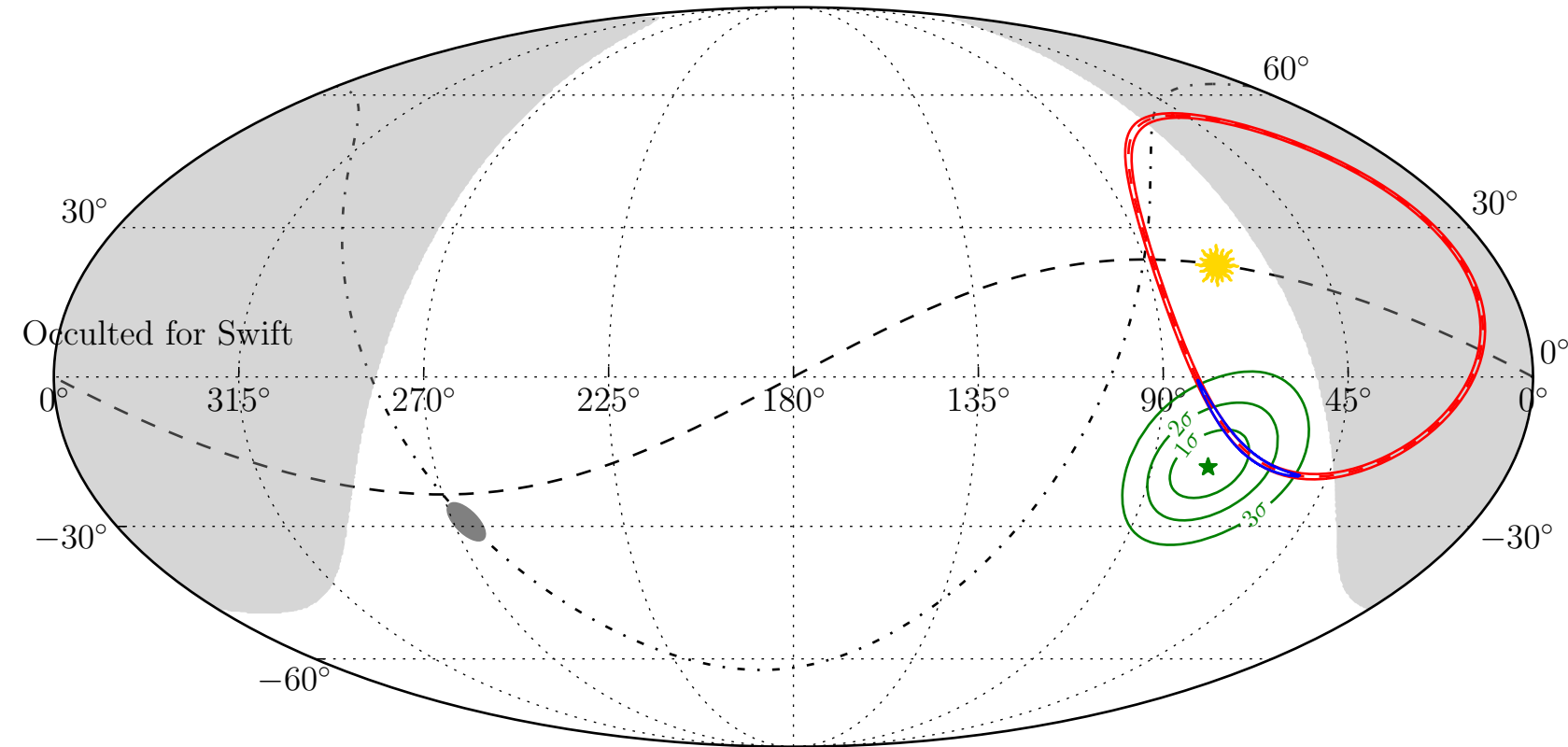
# GRB20150512\_T46609 (2015-05-12 $T_0=46609.794$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	28.3450	9.0094	62.4238	4.8519
Ecl.Lat	270.0000	66.5610	54.0000	54.0000

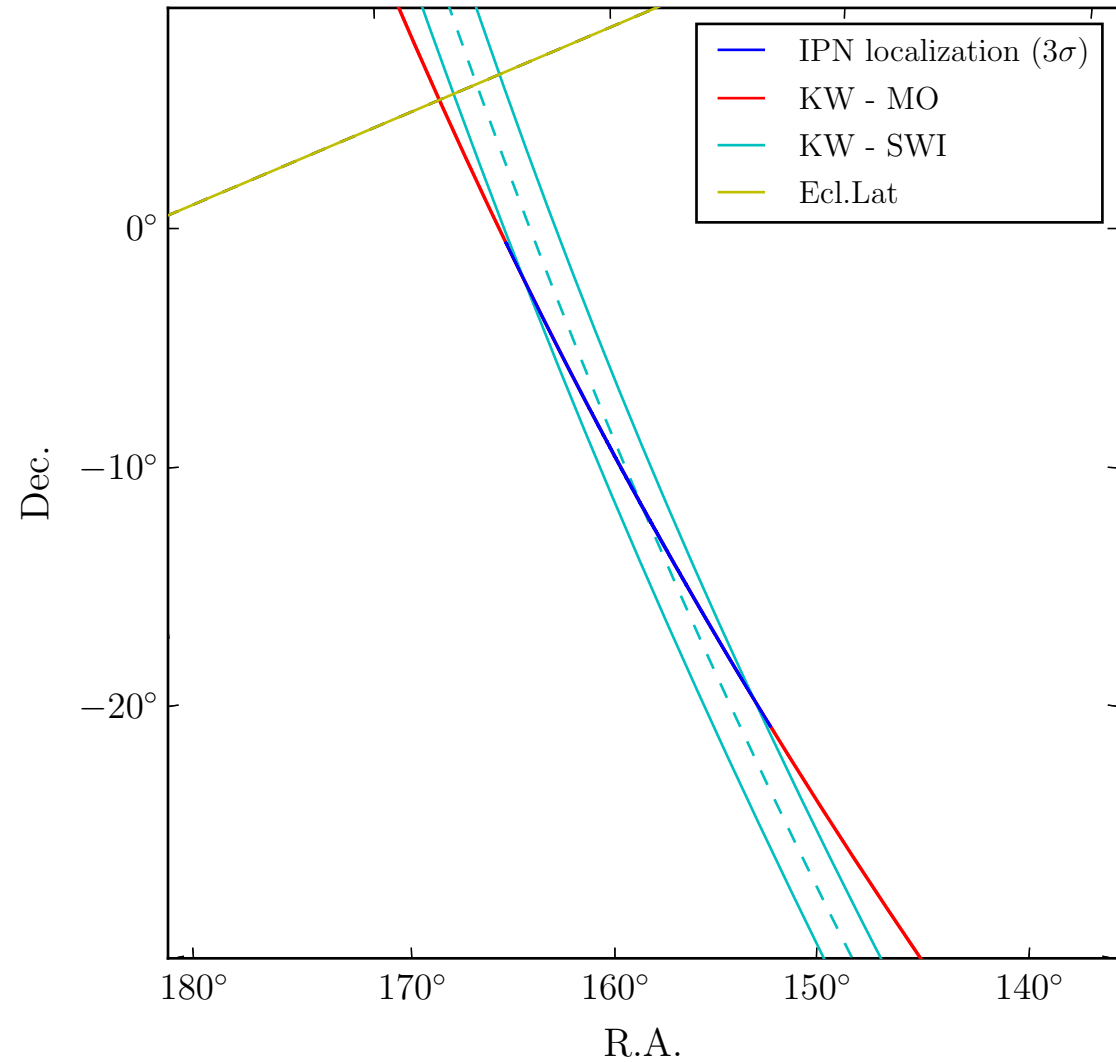
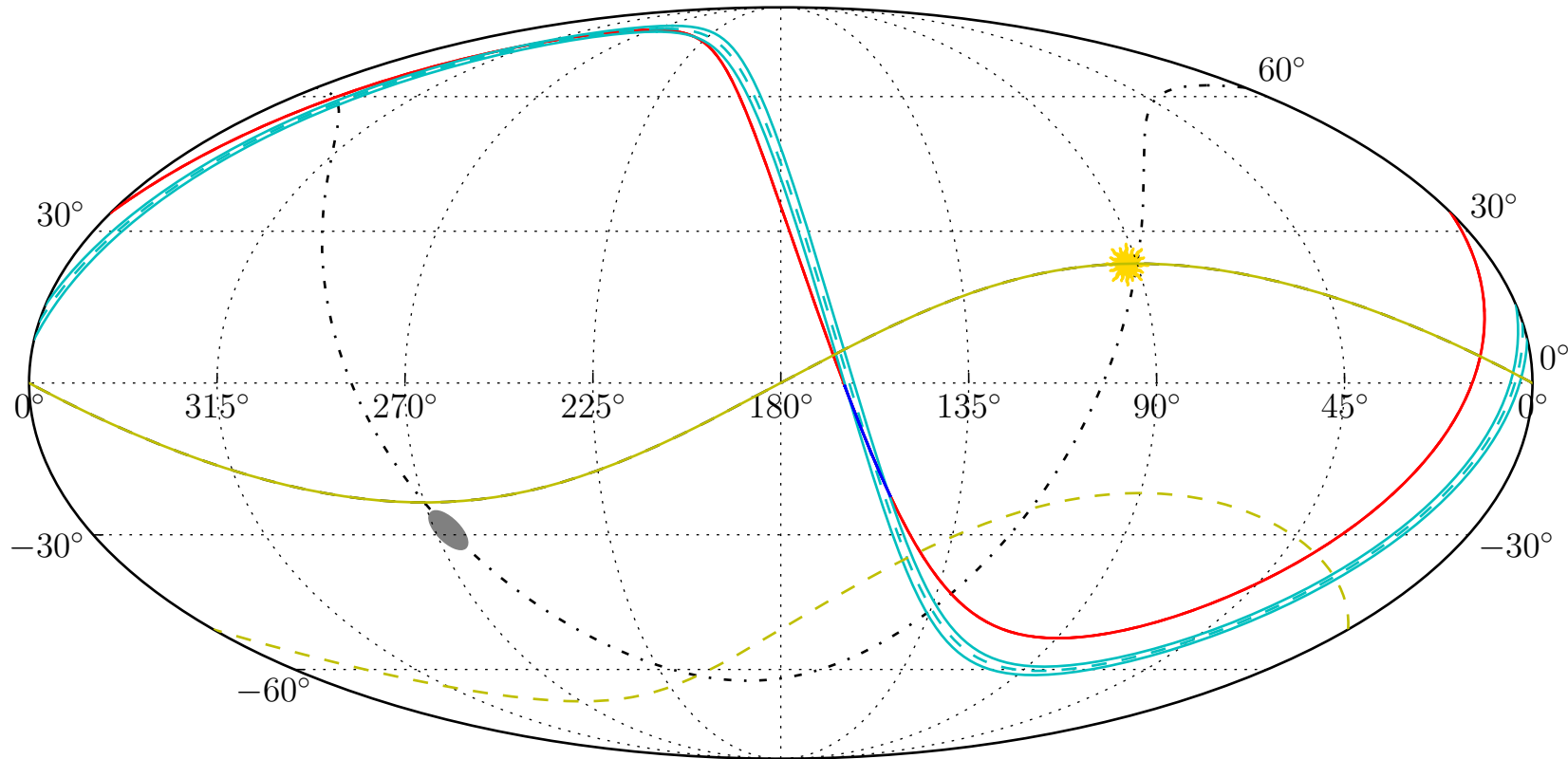
GRB20150604\_T37480 (2015-06-04 T<sub>0</sub>=37480.801 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	48.4208	17.5495	37.3854	0.5326

GRB20150624\_T39692 (2015-06-24 T<sub>0</sub>=39692.242 s, UT)

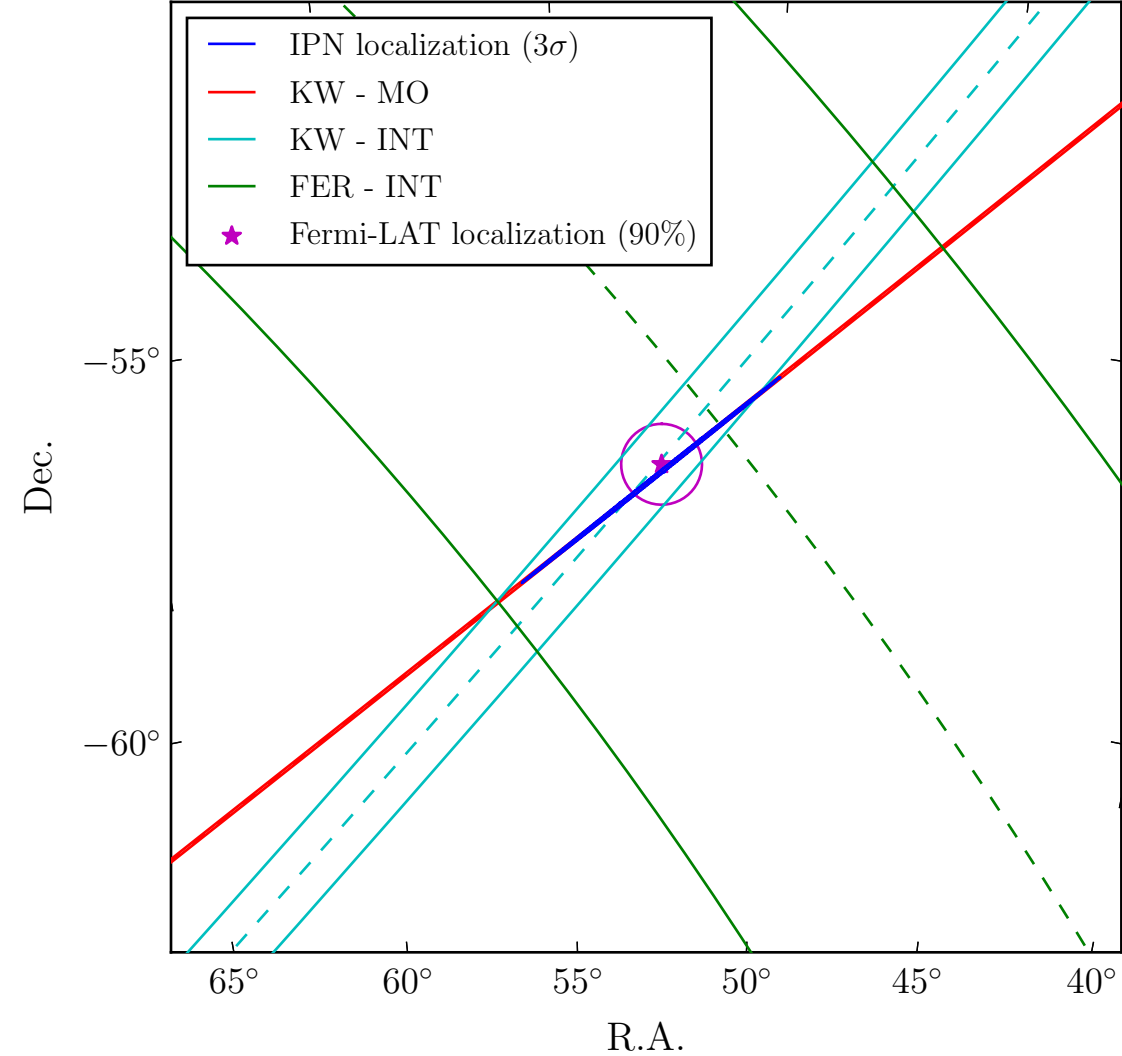
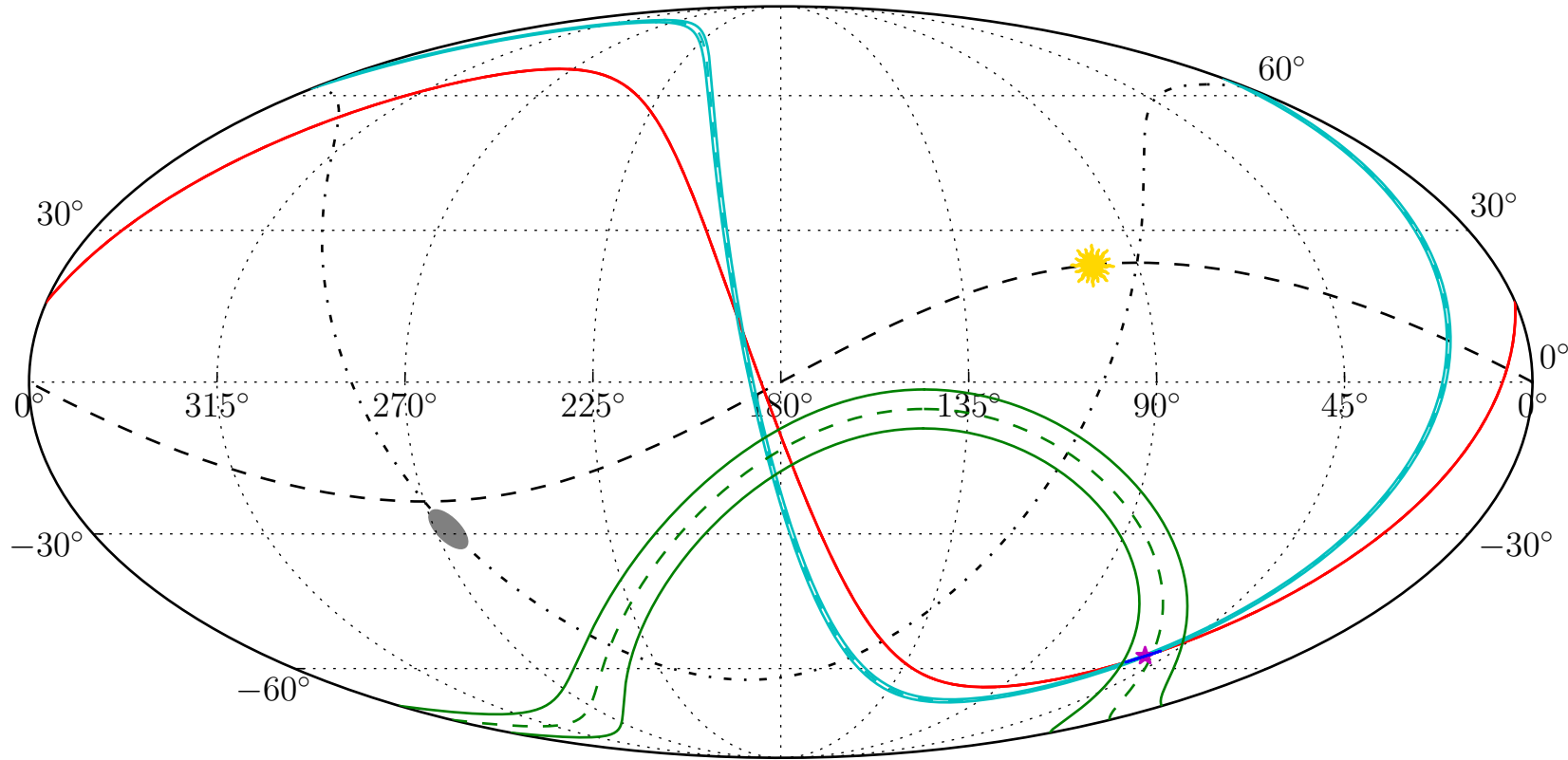


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	89.6935	24.1495	76.5819	0.0171
KW - SWI	83.8938	19.9721	80.3347	1.0663
Ecl.Lat	270.0000	66.5610	135.0000	45.0000



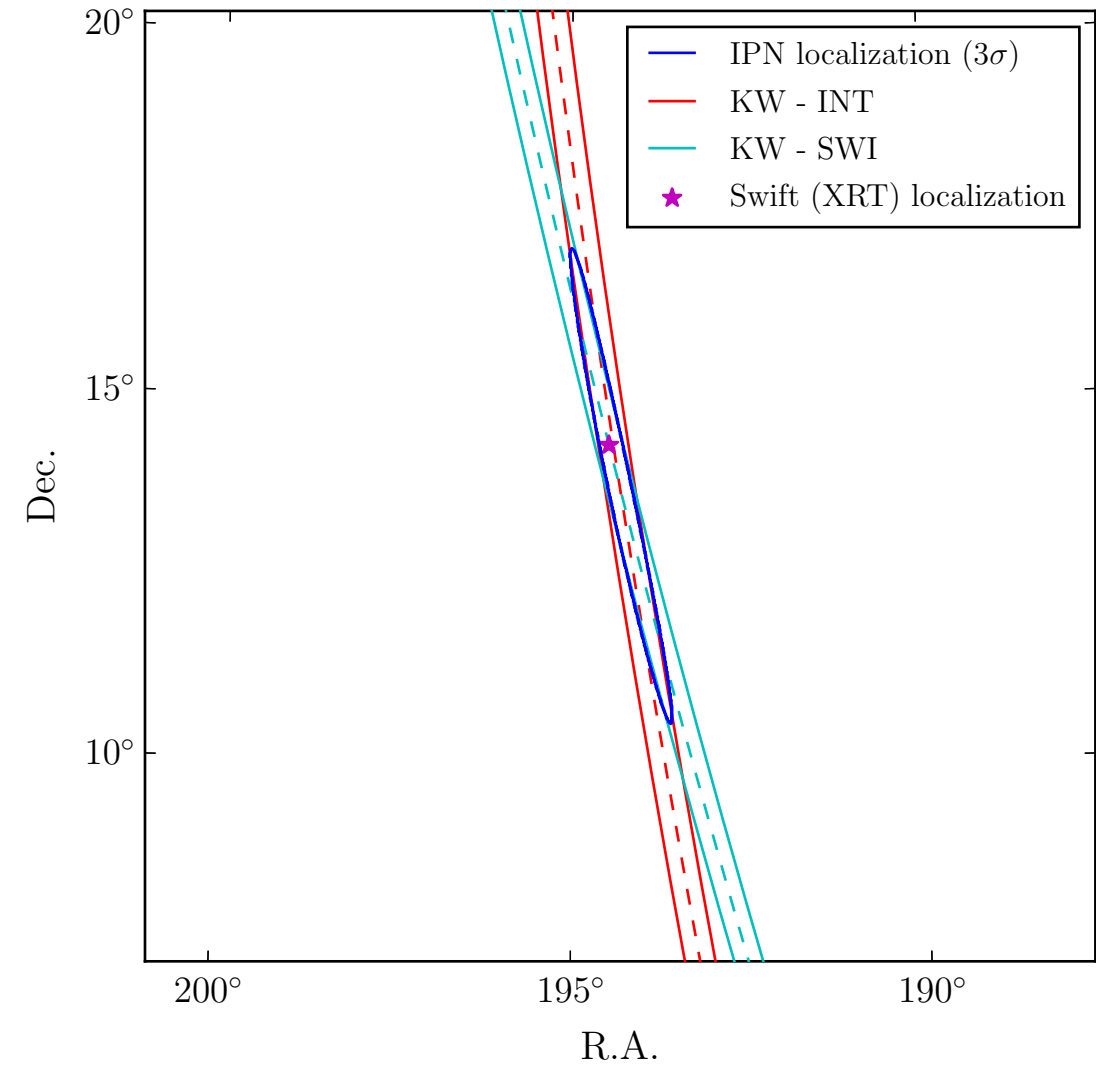
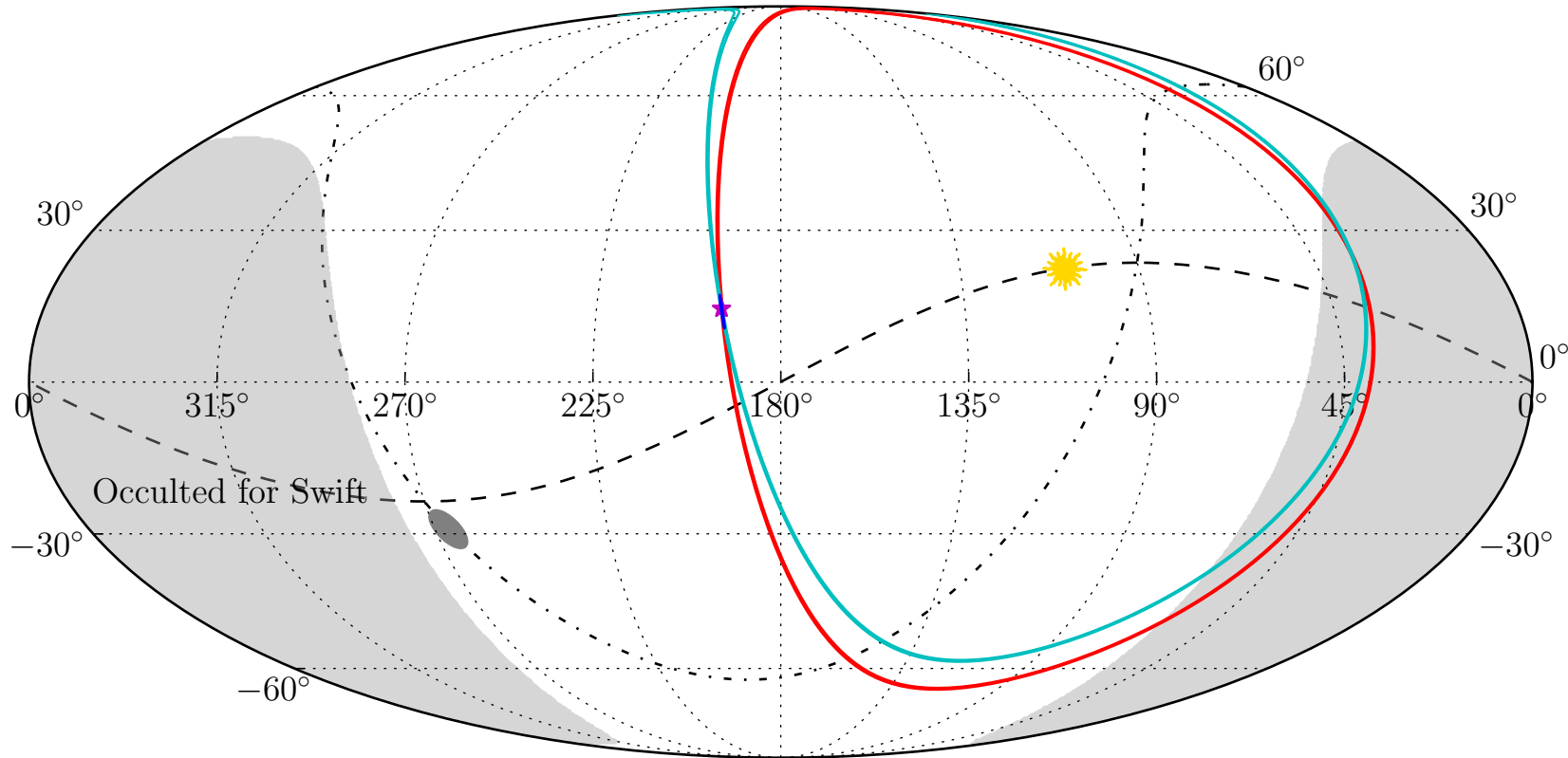
# GRB150702A (2015-07-02 $T_0=86198.645$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	95.9533	24.1058	88.9011	0.0172
KW - INT	104.0801	14.6180	83.1887	0.4228
FER - INT	145.6297	-54.4829	49.2654	3.7900

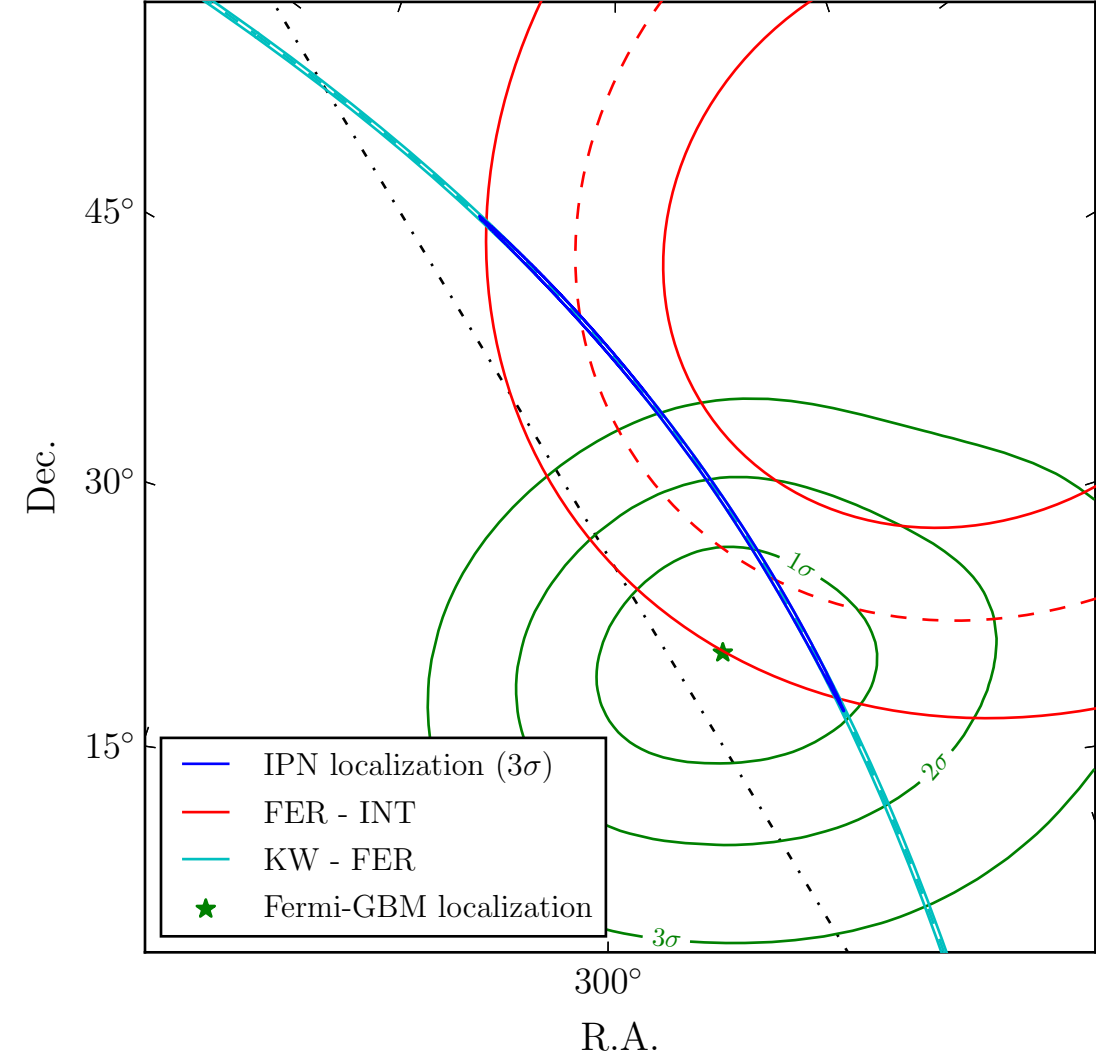
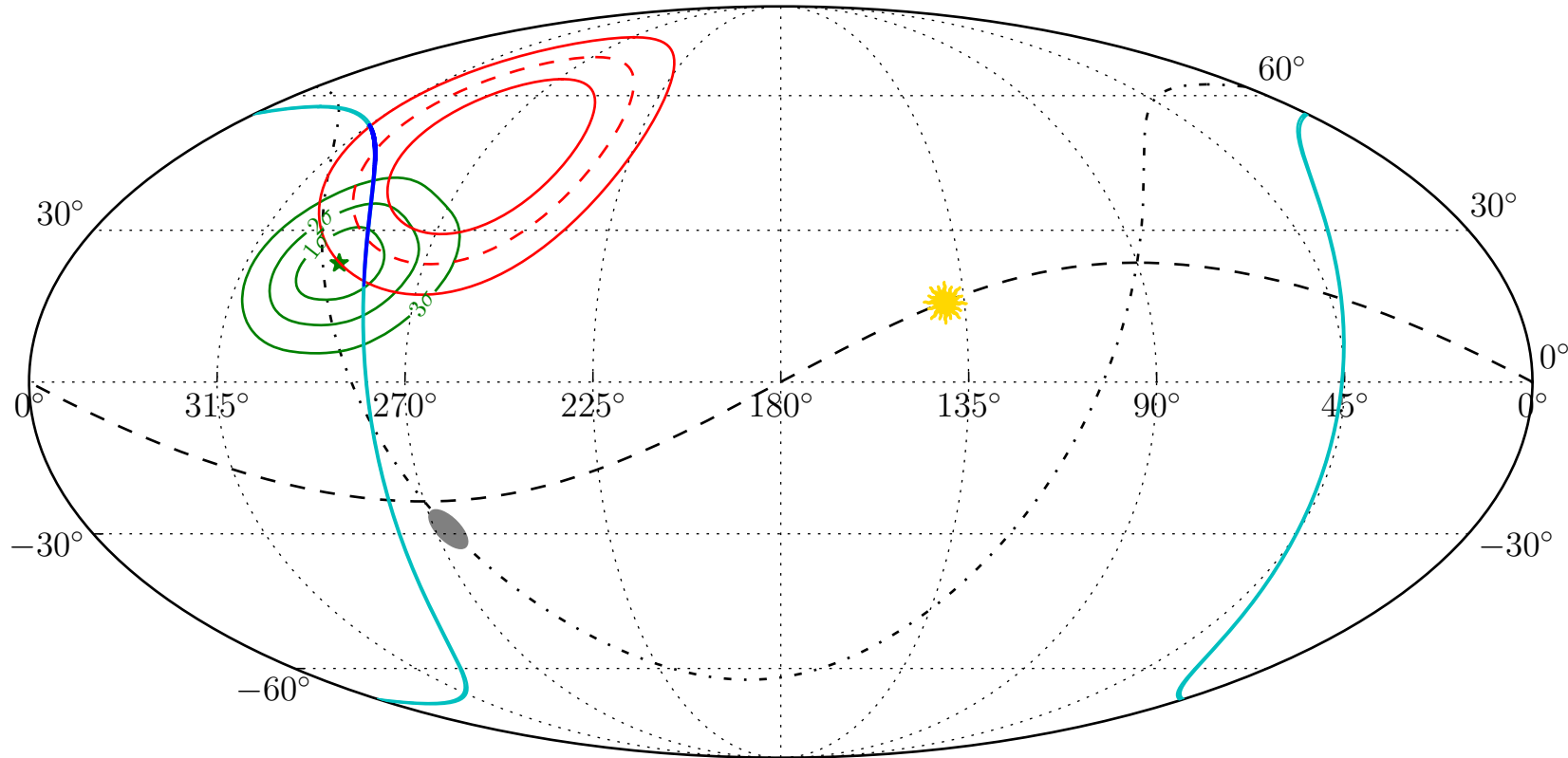
# GRB150710A (2015-07-10 T<sub>0</sub>=1681.682 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	115.2877	11.5163	76.7864	0.2064
KW - SWI	115.8943	17.0477	75.1670	0.1909

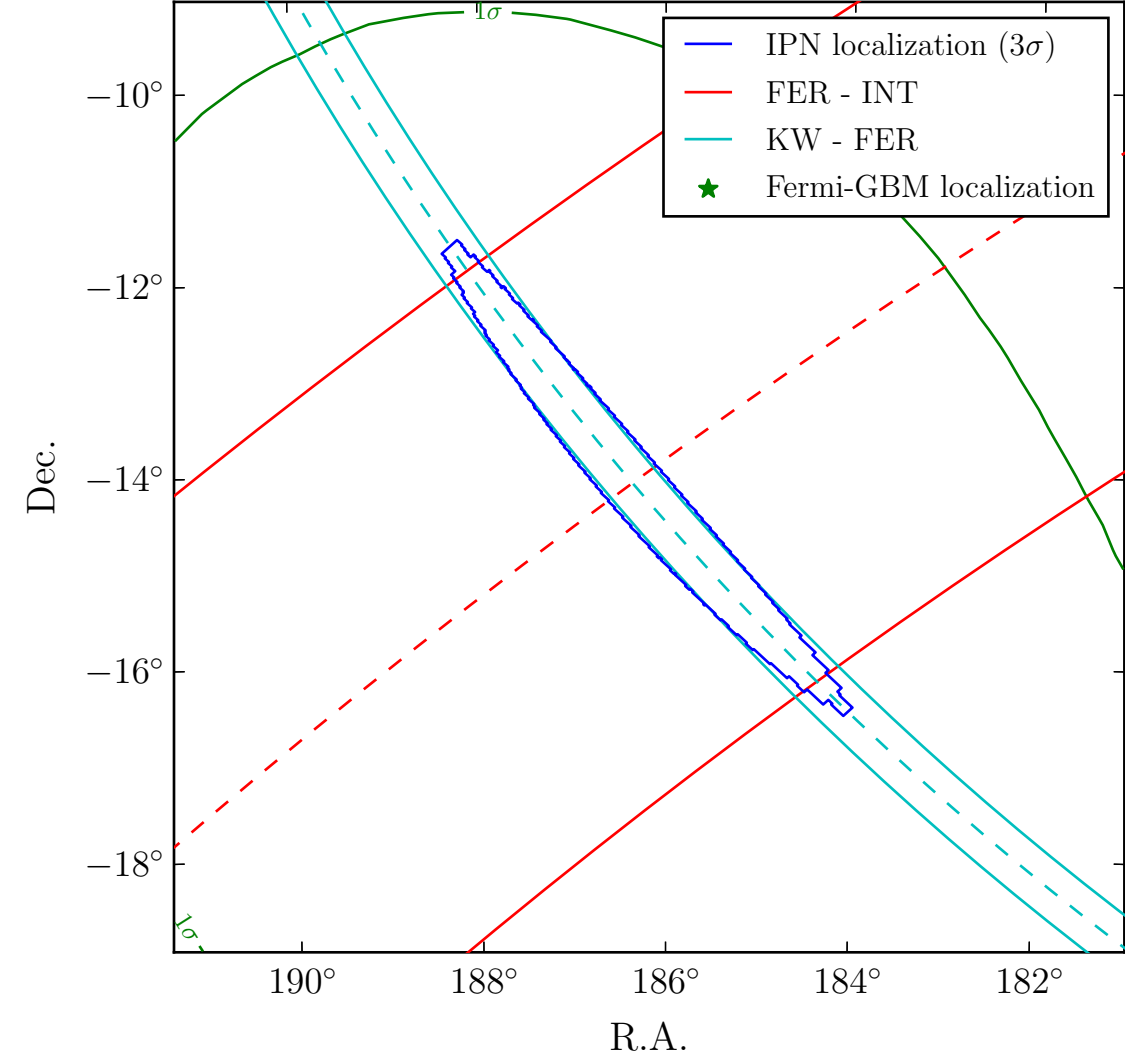
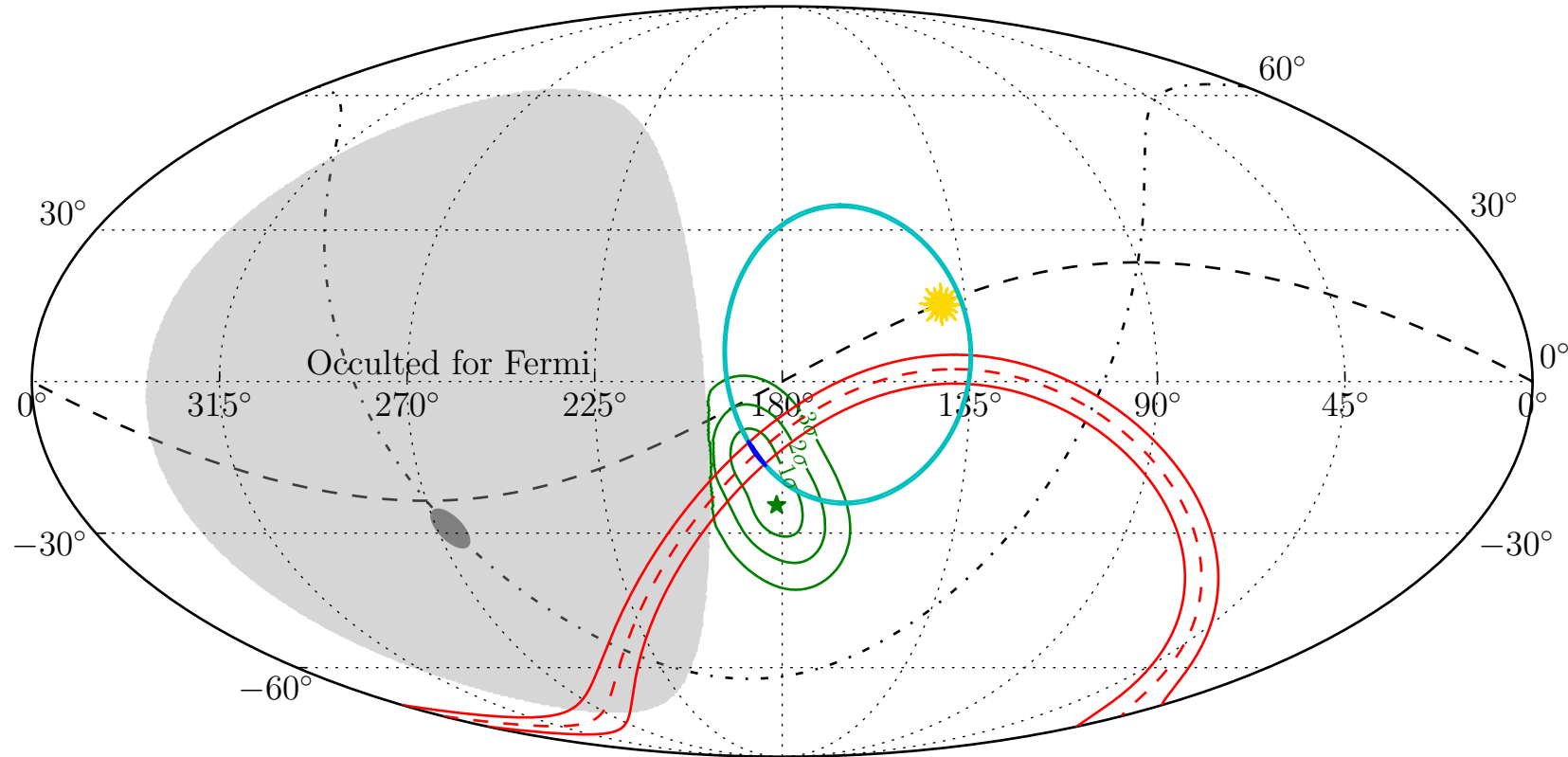
GRB150810A (2015-08-10  $T_0=41891.224$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - INT	268.5180	46.7392	23.6036	6.0841
KW - FER	342.4312	-6.0493	63.3288	0.1381

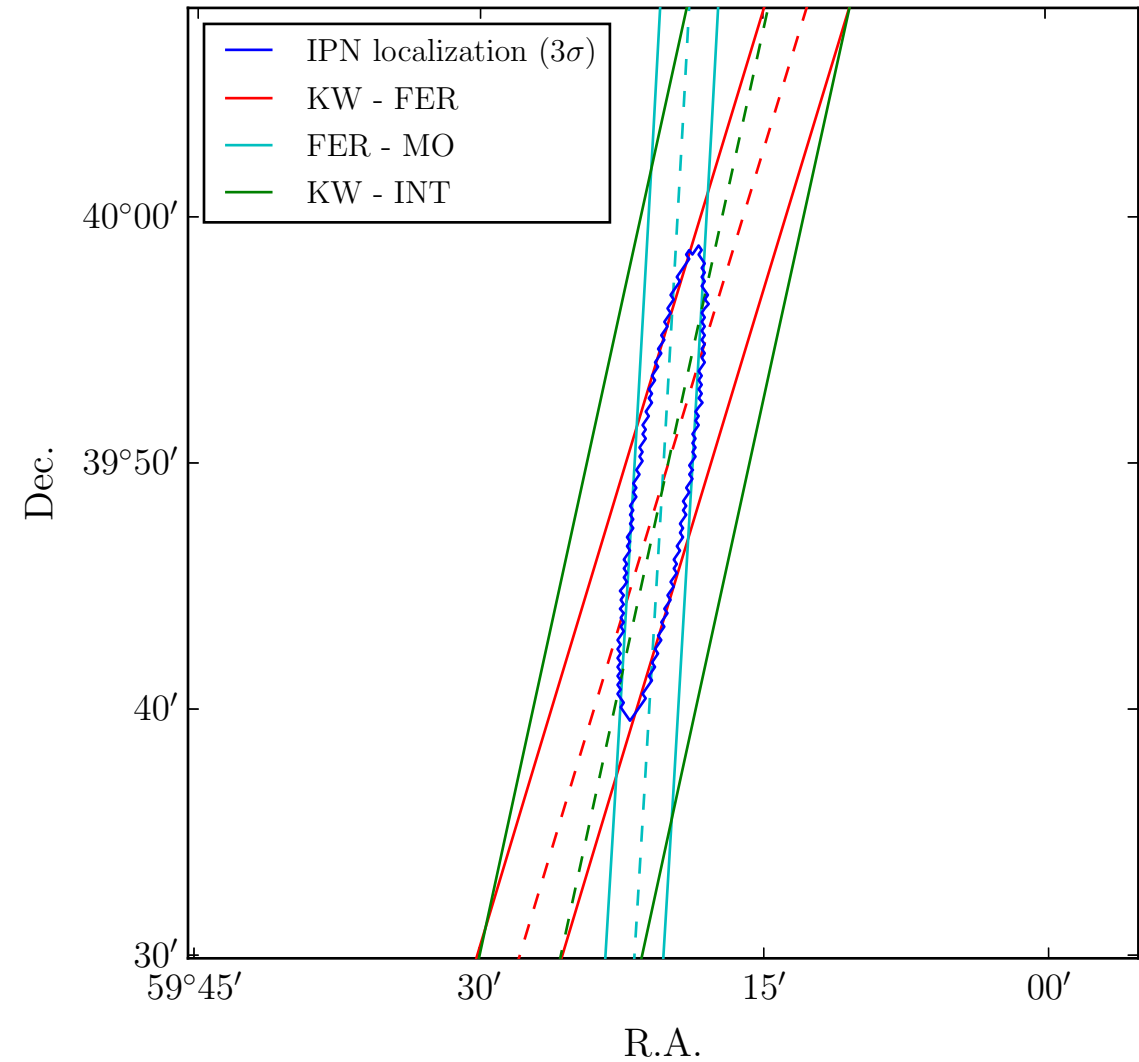
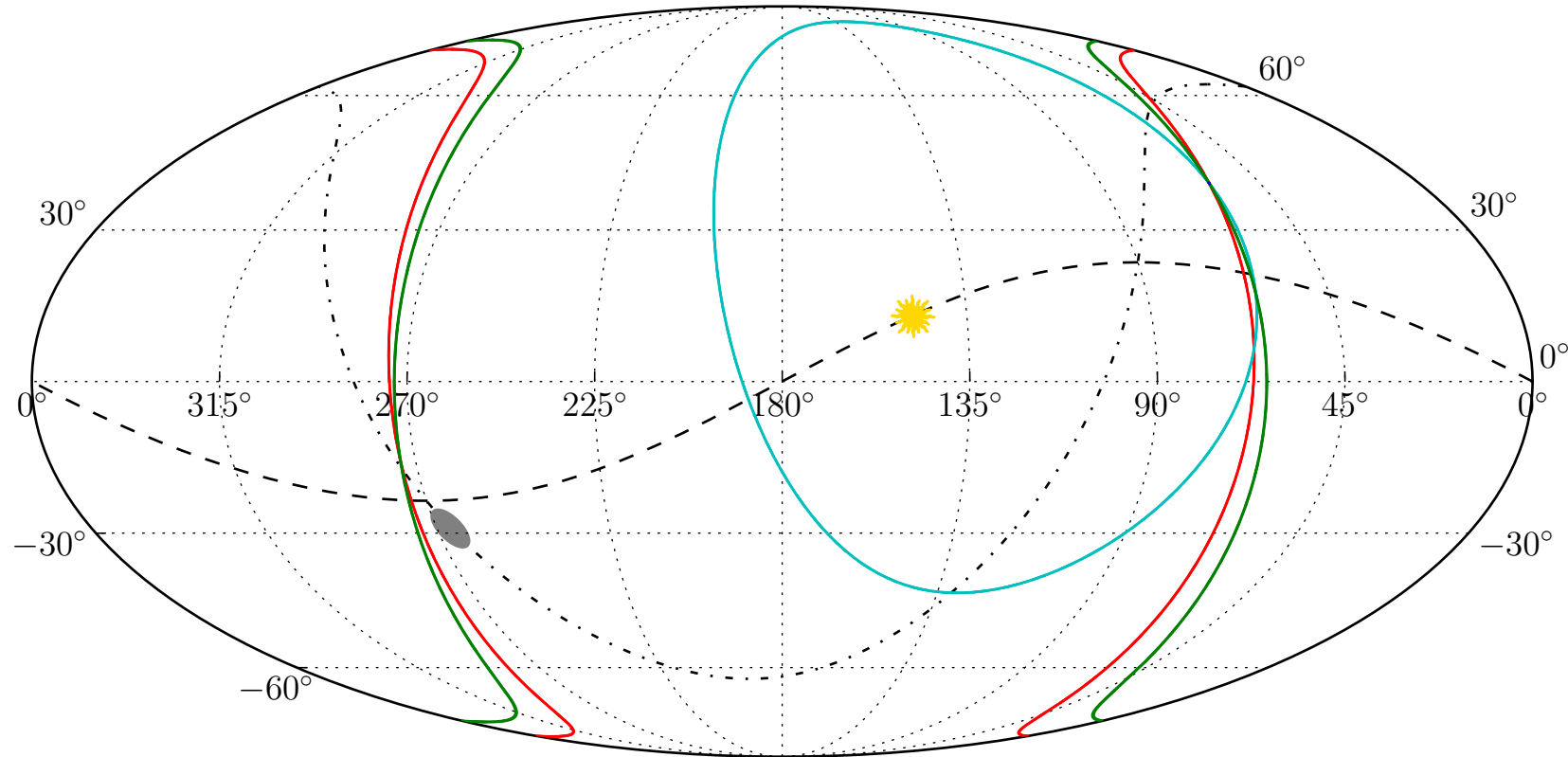
# GRB150811B (2015-08-11 T<sub>0</sub>=73329.515 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - INT	138.6451	-50.5152	52.9288	2.8110
KW - FER	164.2230	5.5590	29.4685	0.2714

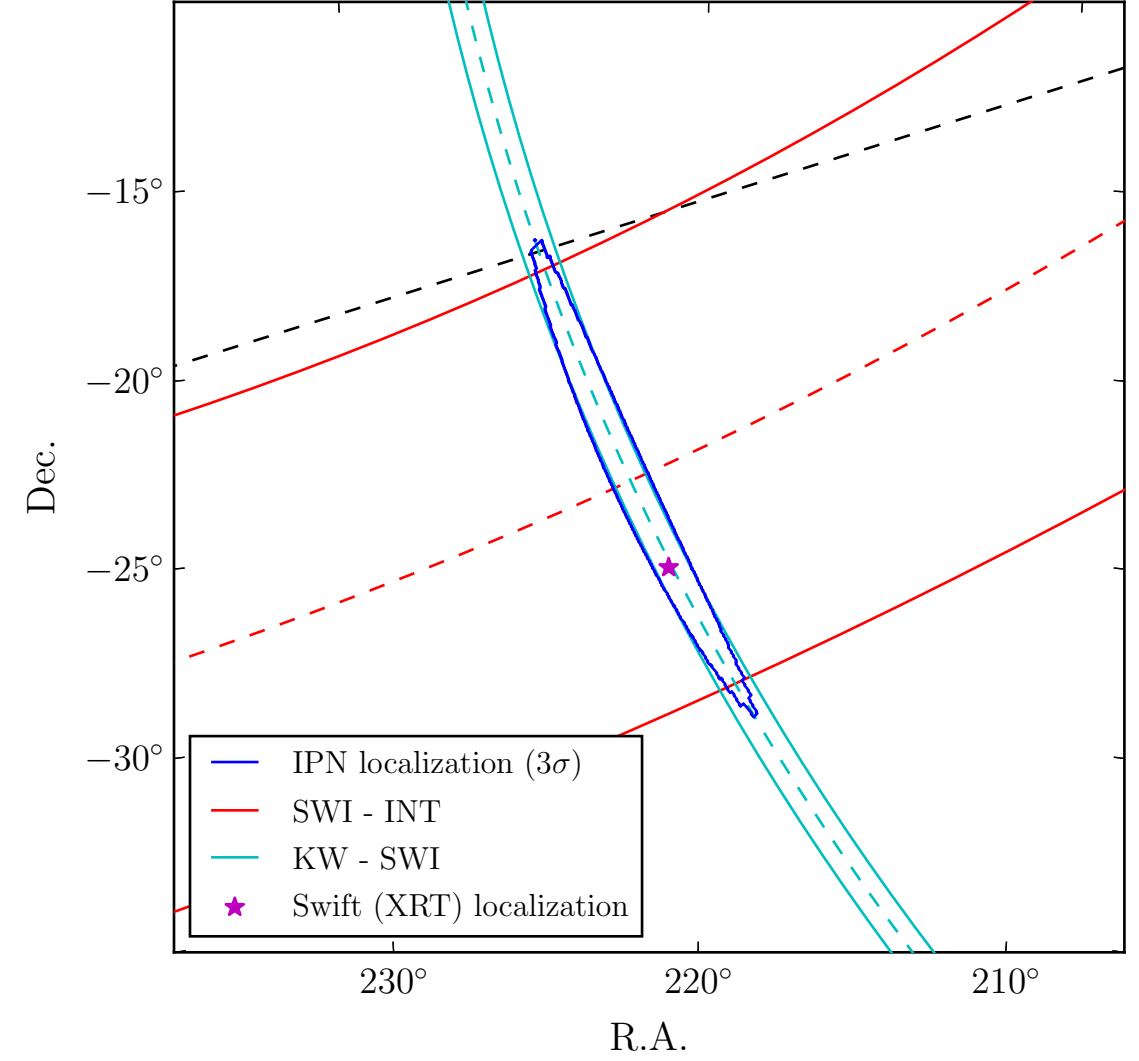
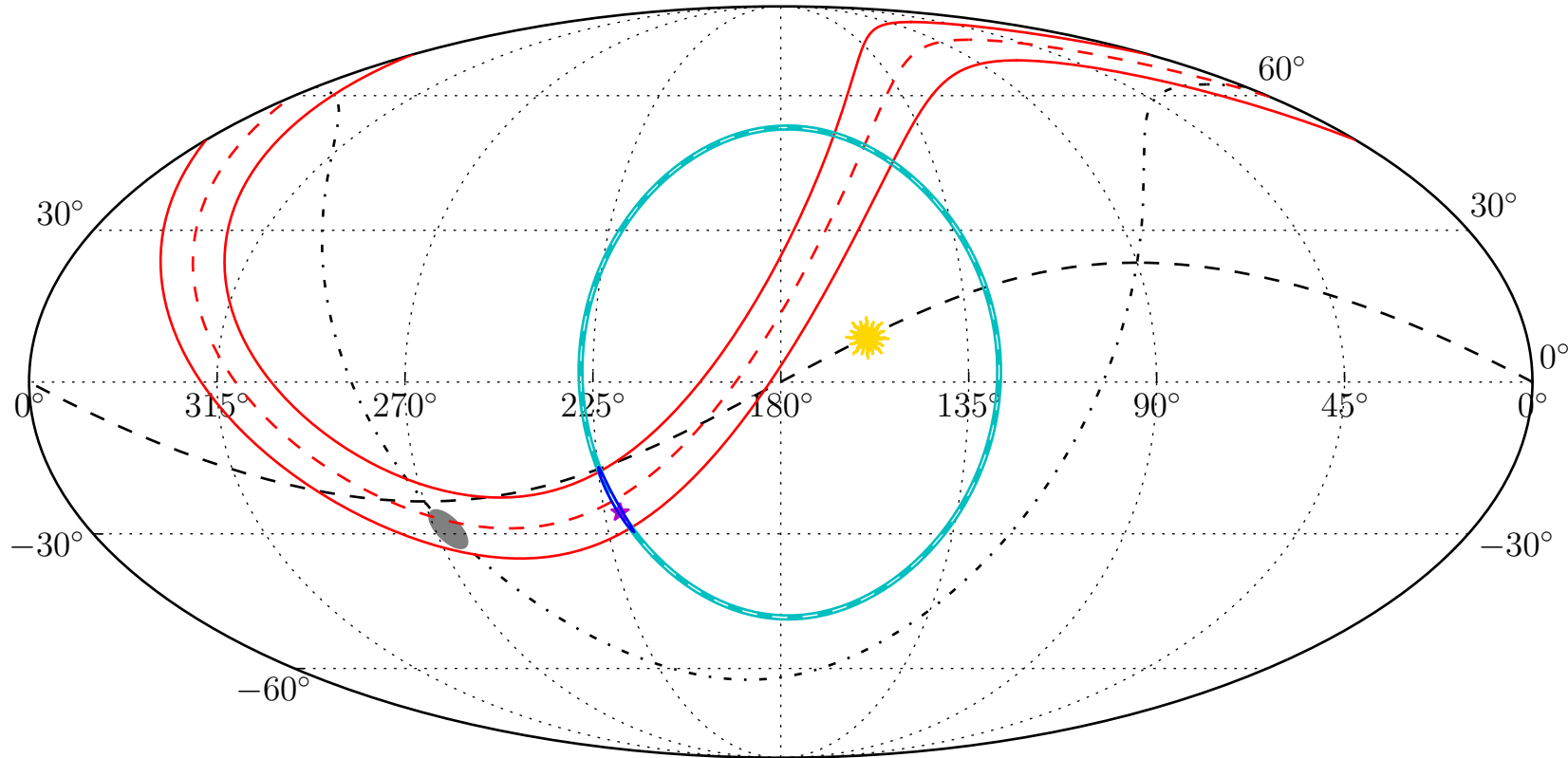
# GRB150819B (2015-08-19 $T_0=38000.750$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	350.5695	-3.7424	76.3649	0.0276
FER - MO	129.1952	19.6778	62.3099	0.0196
KW - INT	348.4083	0.1861	75.3433	0.0538

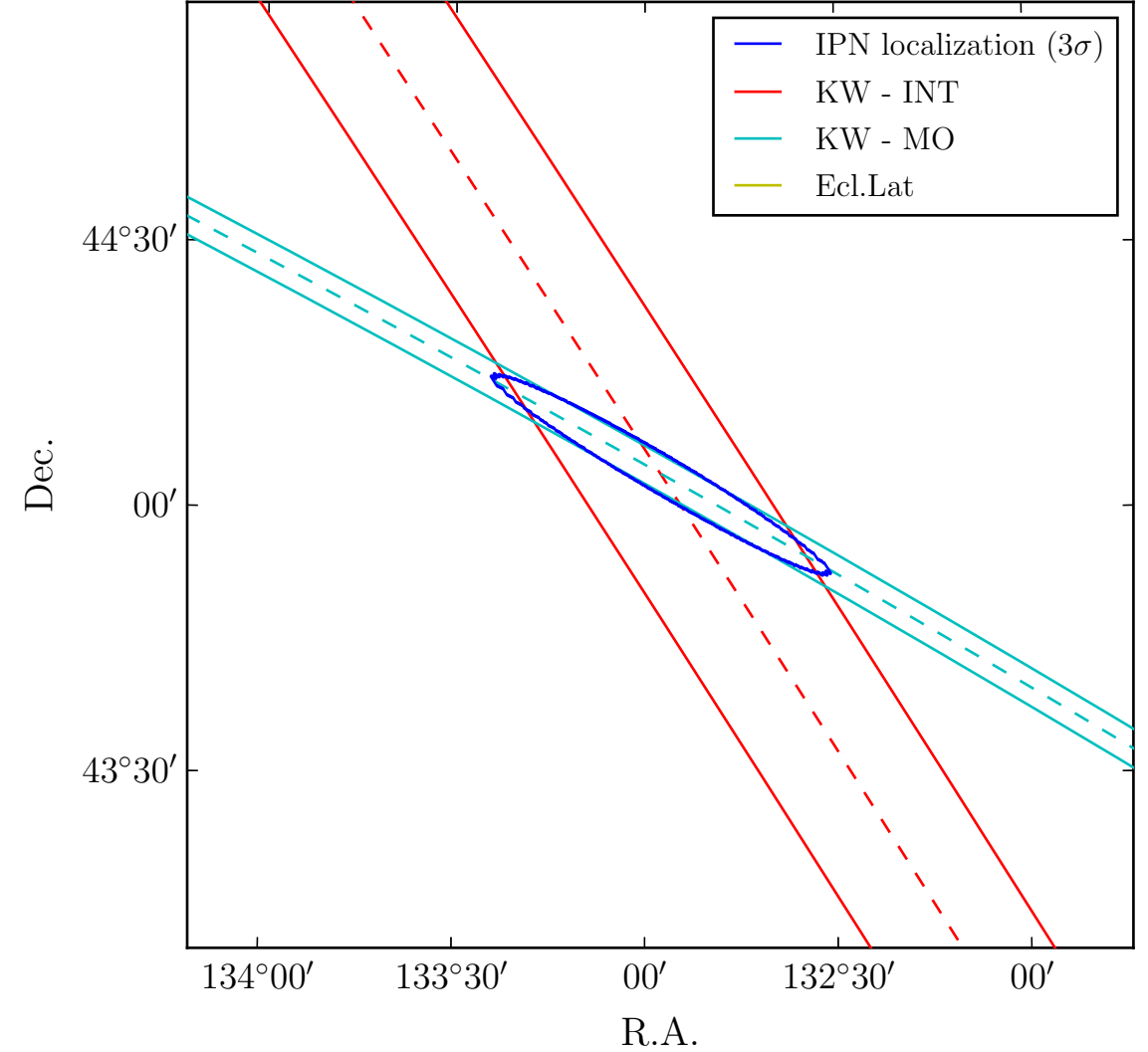
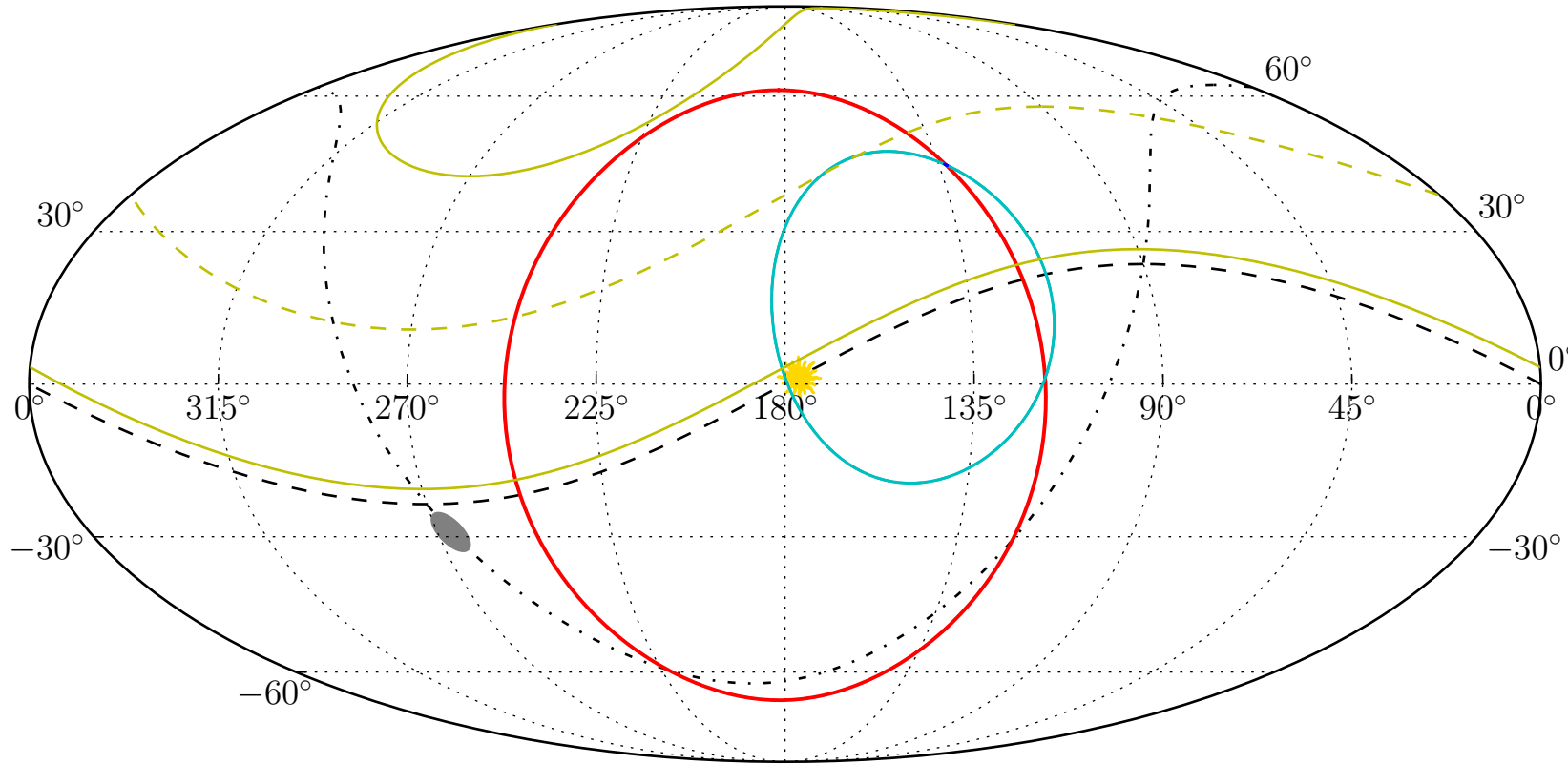
# GRB150831A (2015-08-31 T<sub>0</sub>=38049.519 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
SWI - INT	250.6761	37.7403	66.6296	6.2276
KW - SWI	177.8326	2.1999	50.1021	0.4526

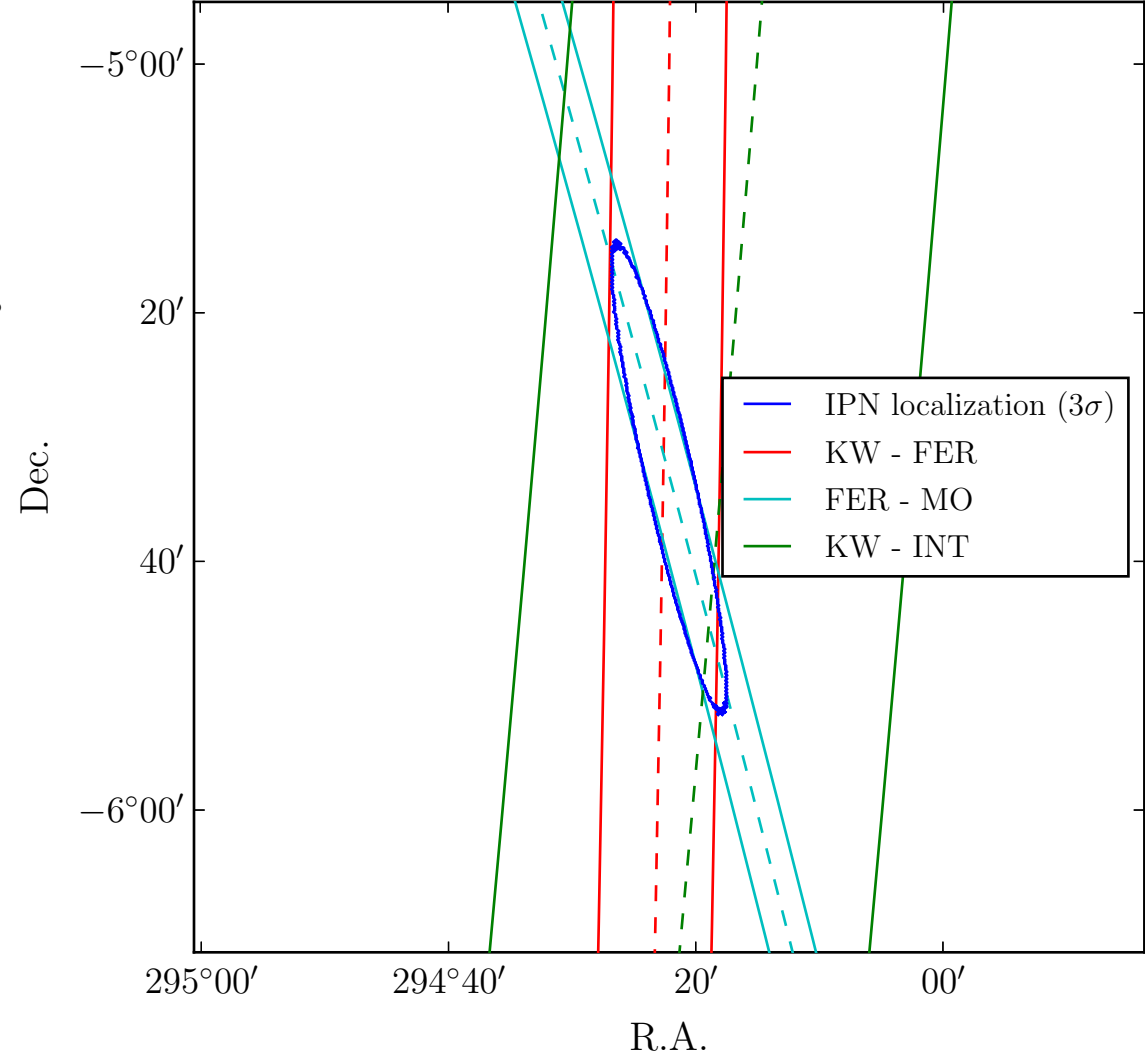
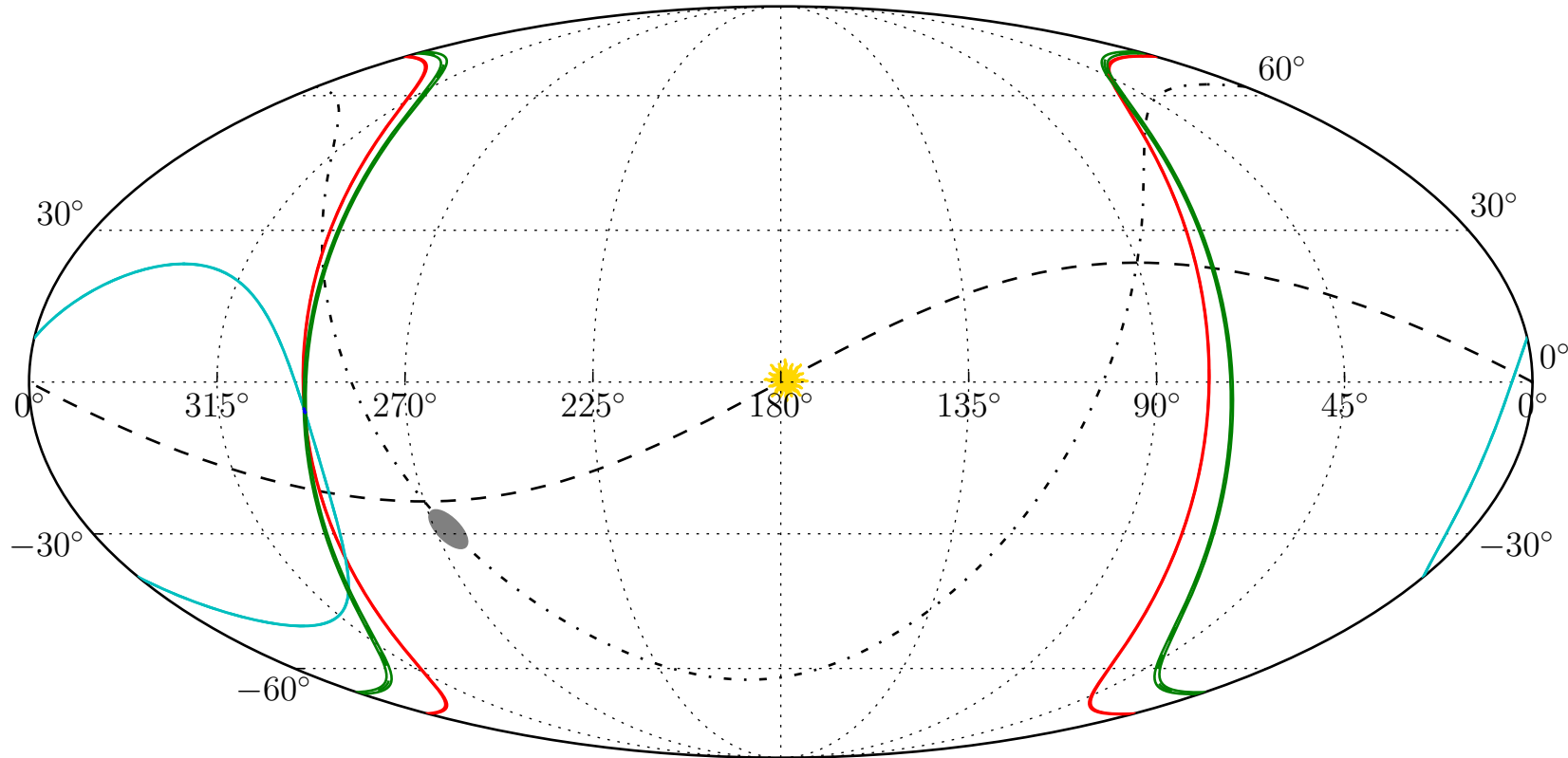
# GRB150919A (2015-09-19 T<sub>0</sub>=74595.399 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	182.3799	-2.9209	64.4459	0.1466
KW - MO	148.9932	13.8834	33.1451	0.0313
Ecl.Lat	270.0000	66.5610	56.0000	31.0000

# GRB150922A (2015-09-22 T<sub>0</sub>=20250.916 s, UT)

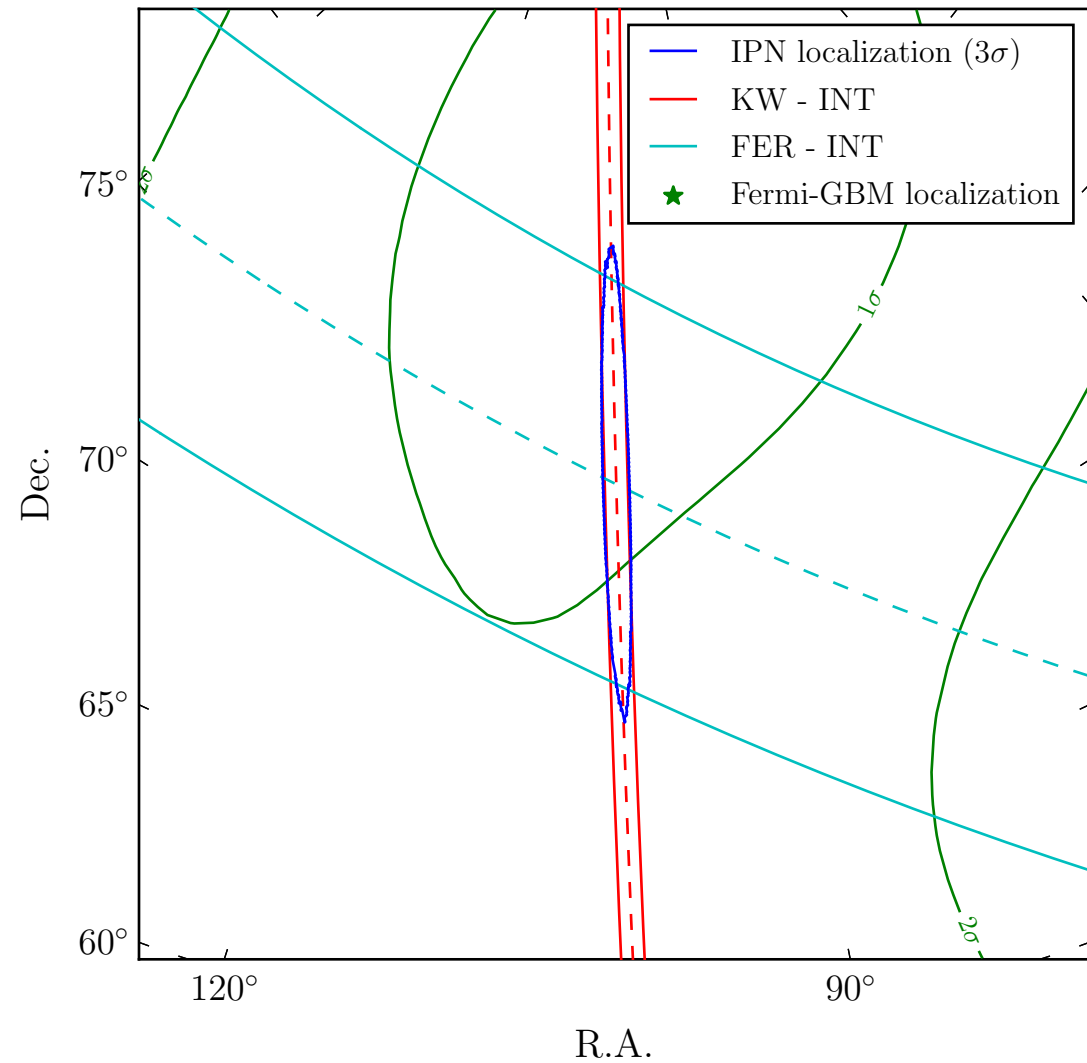
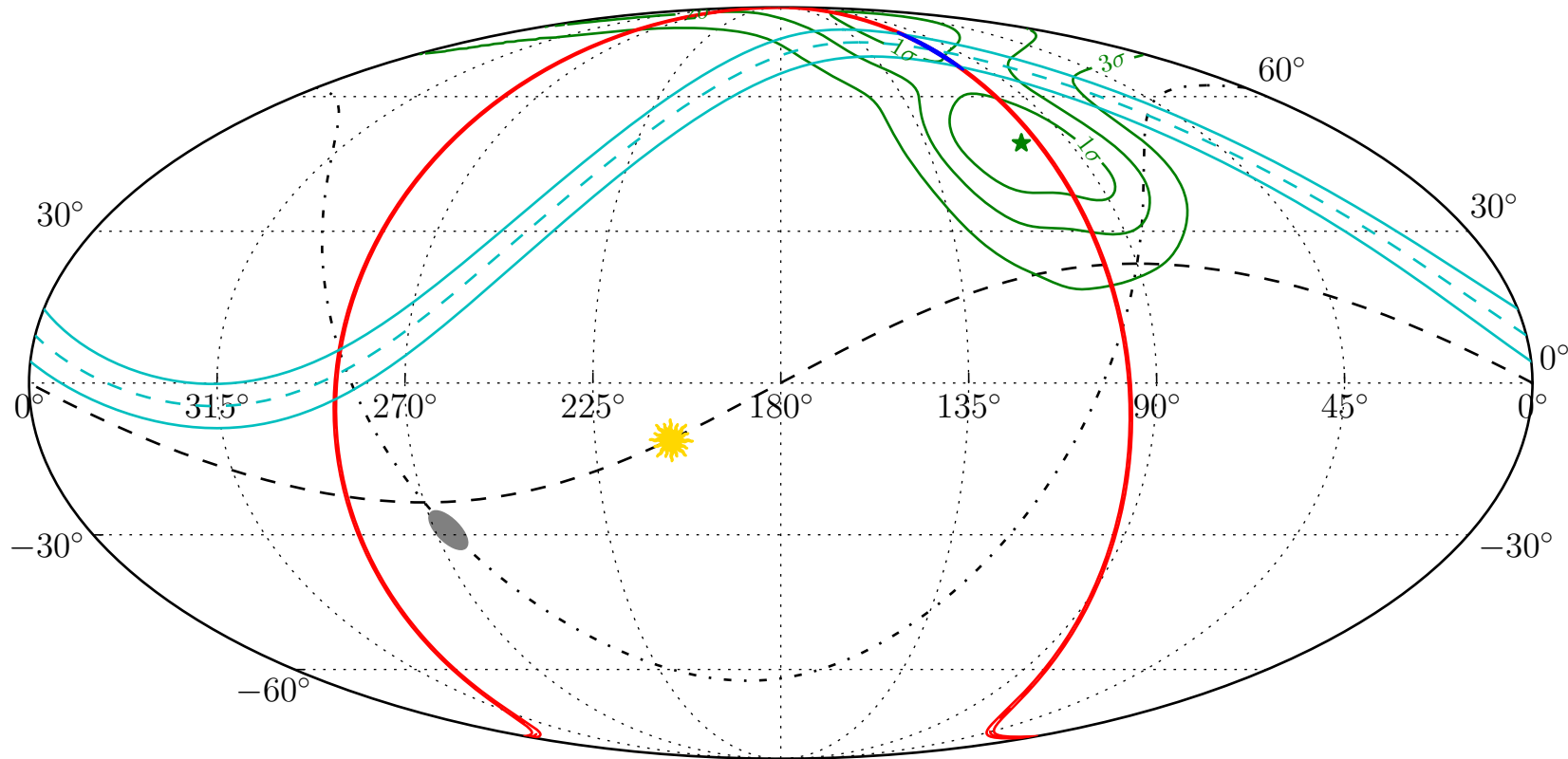


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	5.9033	-0.8904	71.5276	0.0759
FER - MO	330.5963	-13.3337	36.5283	0.0304
KW - INT	2.9877	2.6203	69.0892	0.2535



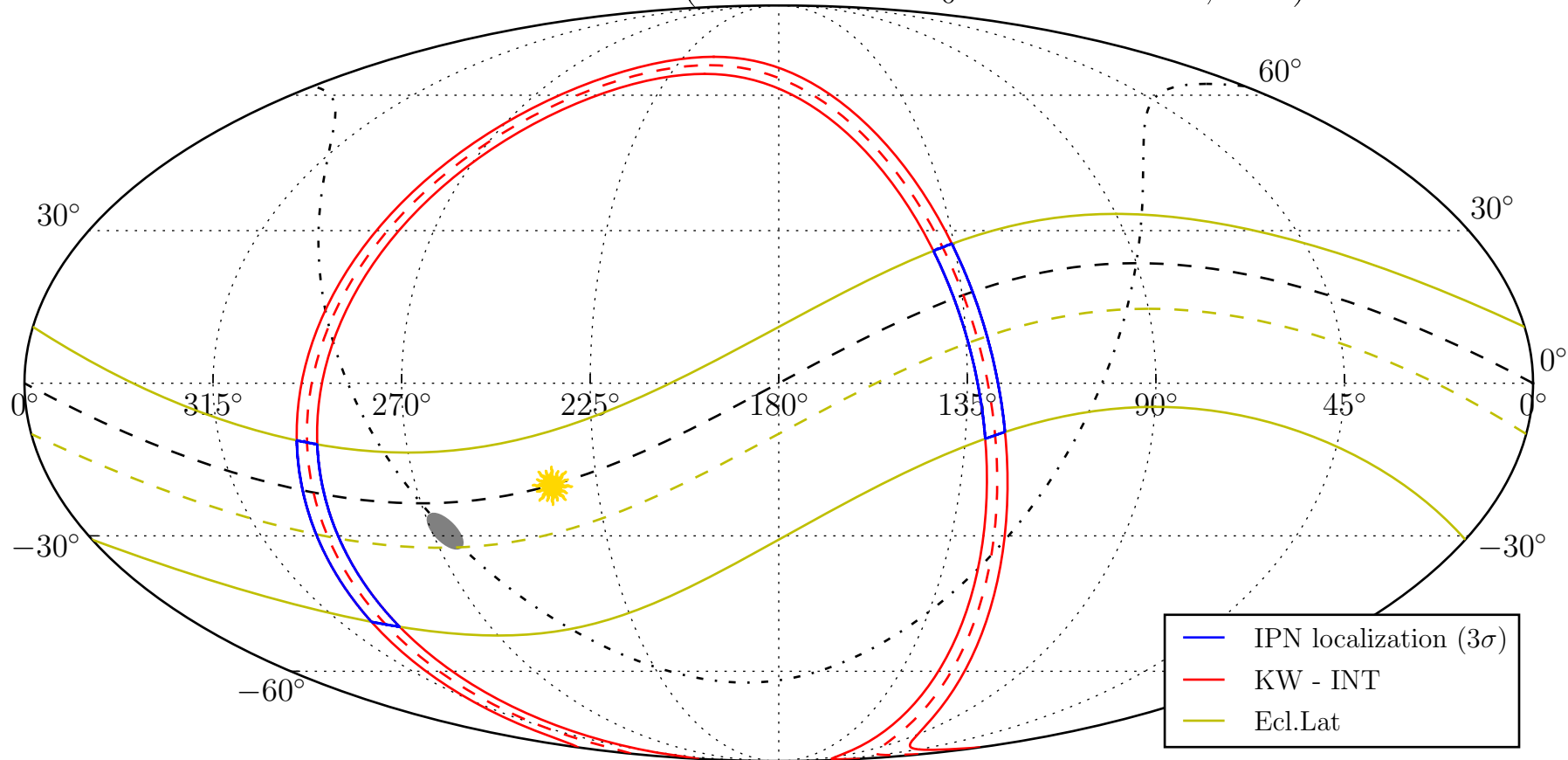
GRB20151022\_T49862 (2015-10-22 T<sub>0</sub>=49862.372 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	11.5028	5.1993	84.9774	0.2758
FER - INT	315.9973	50.2142	54.6956	4.2978

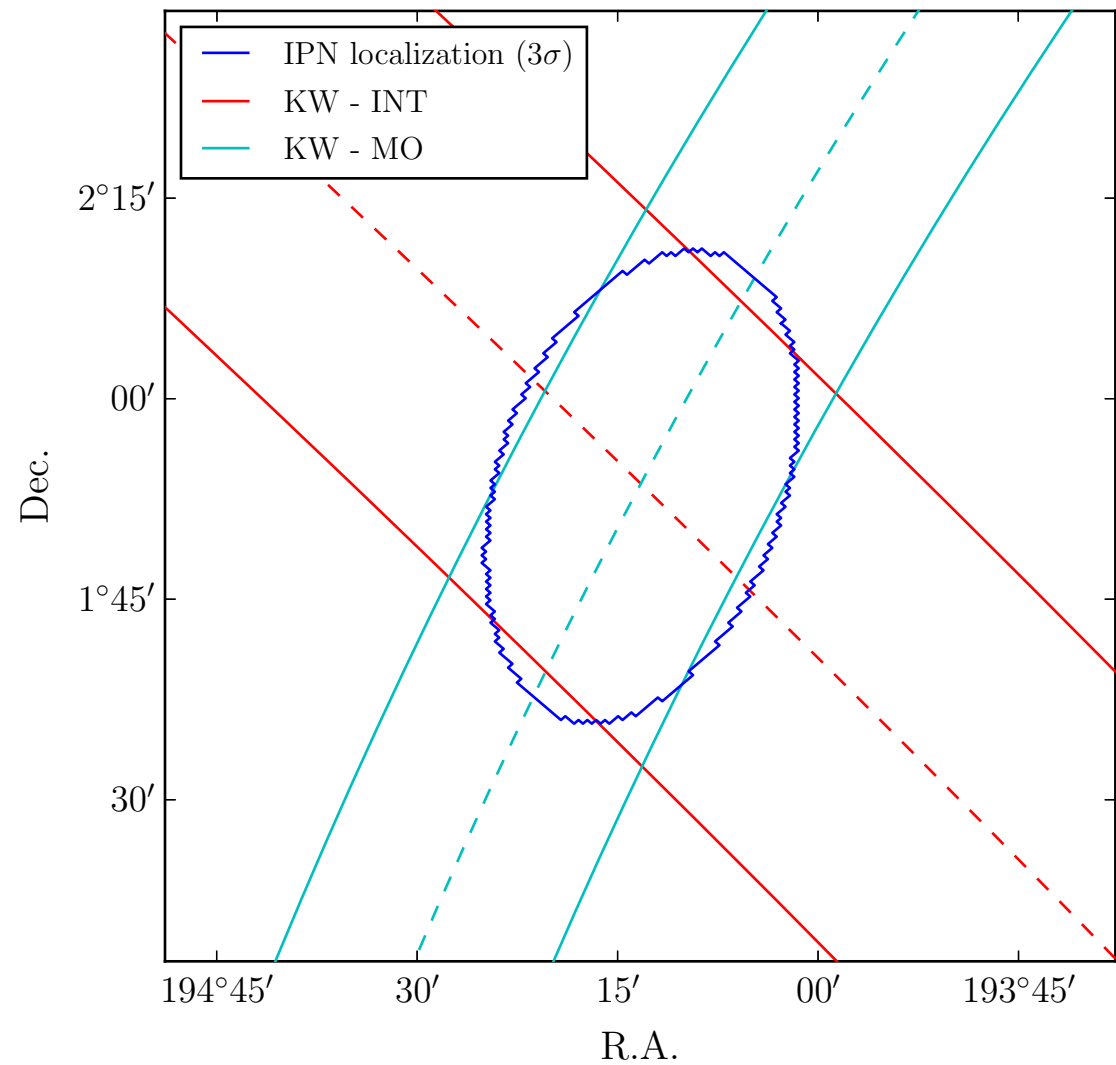
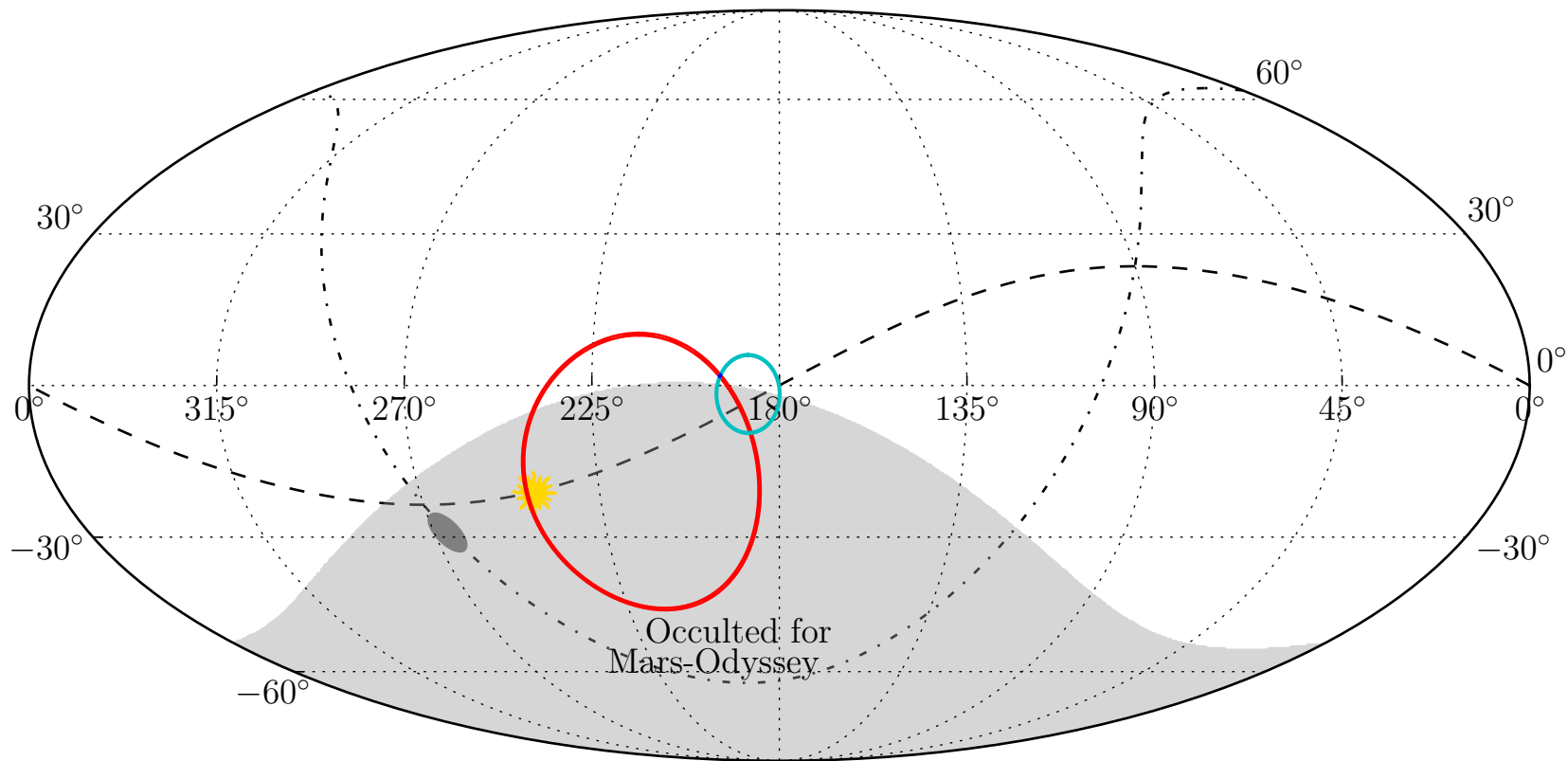
# GRB20151121\_T24987 (2015-11-21 T<sub>0</sub>=24987.061 s, UT)



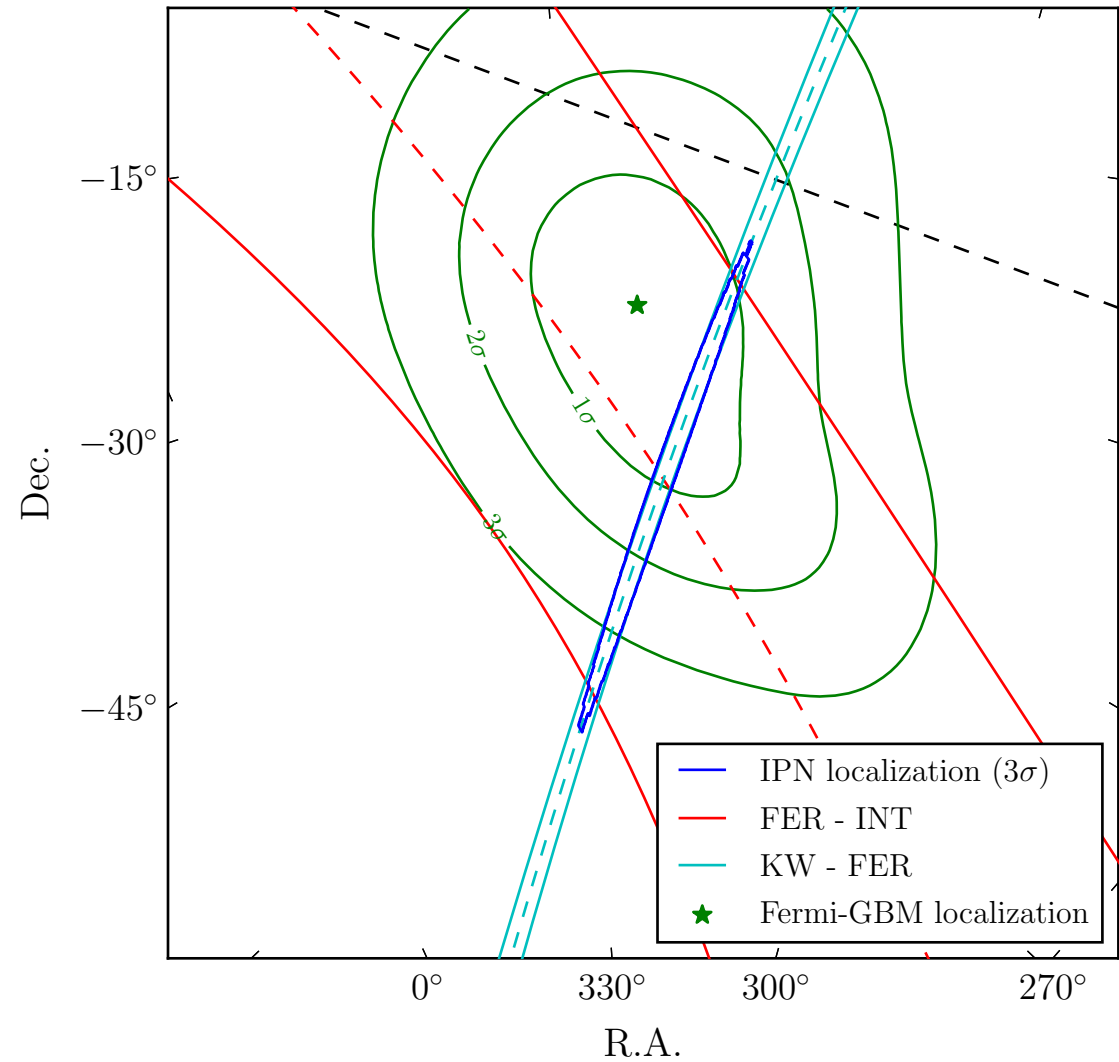
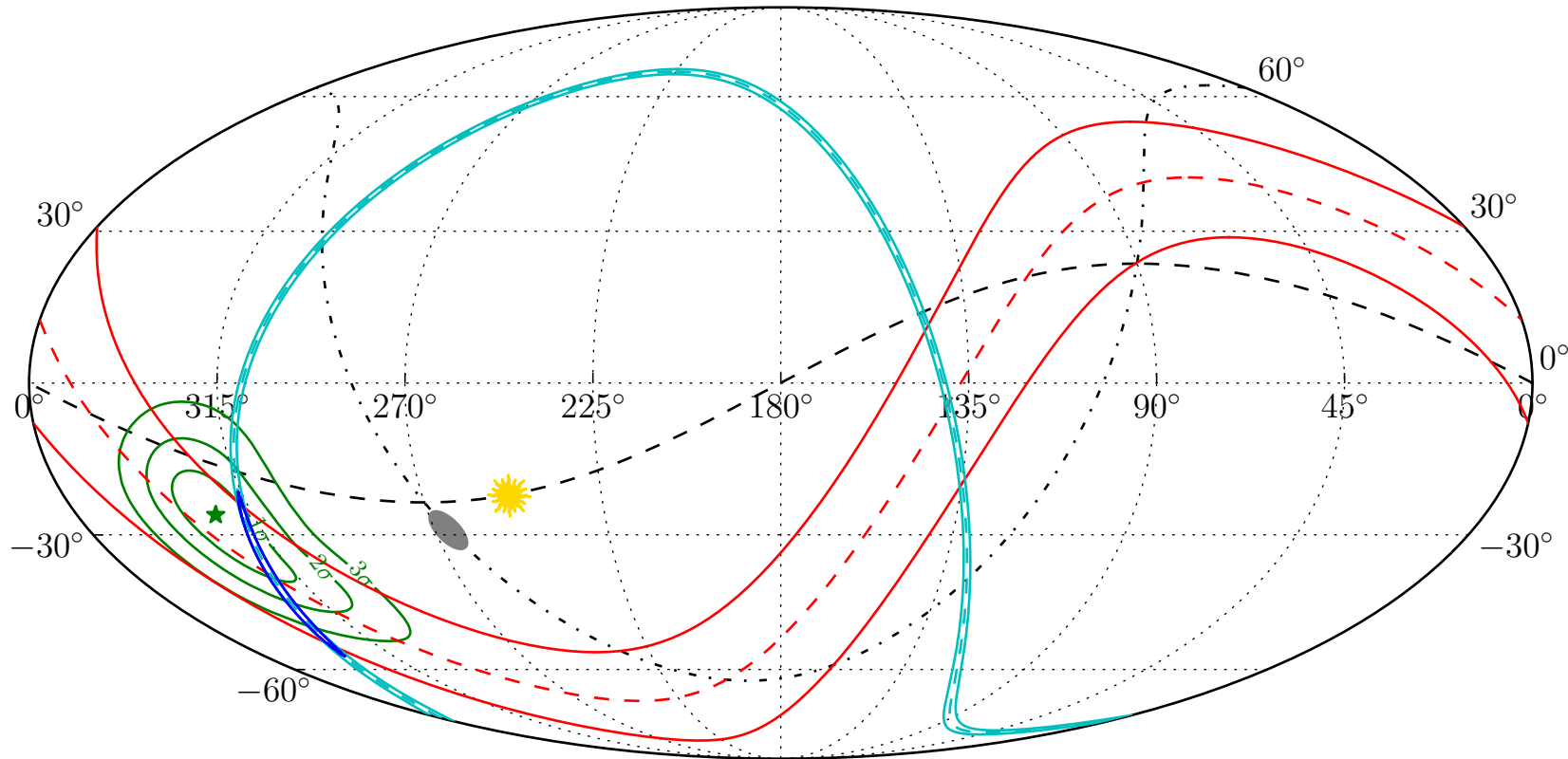
Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	210.7745	-13.0464	80.9179	2.3681
Ecl.Lat	270.0000	66.5610	99.0000	19.0000

GRB20151126\_T14583 (2015-11-26  $T_0=14583.770$  s, UT)



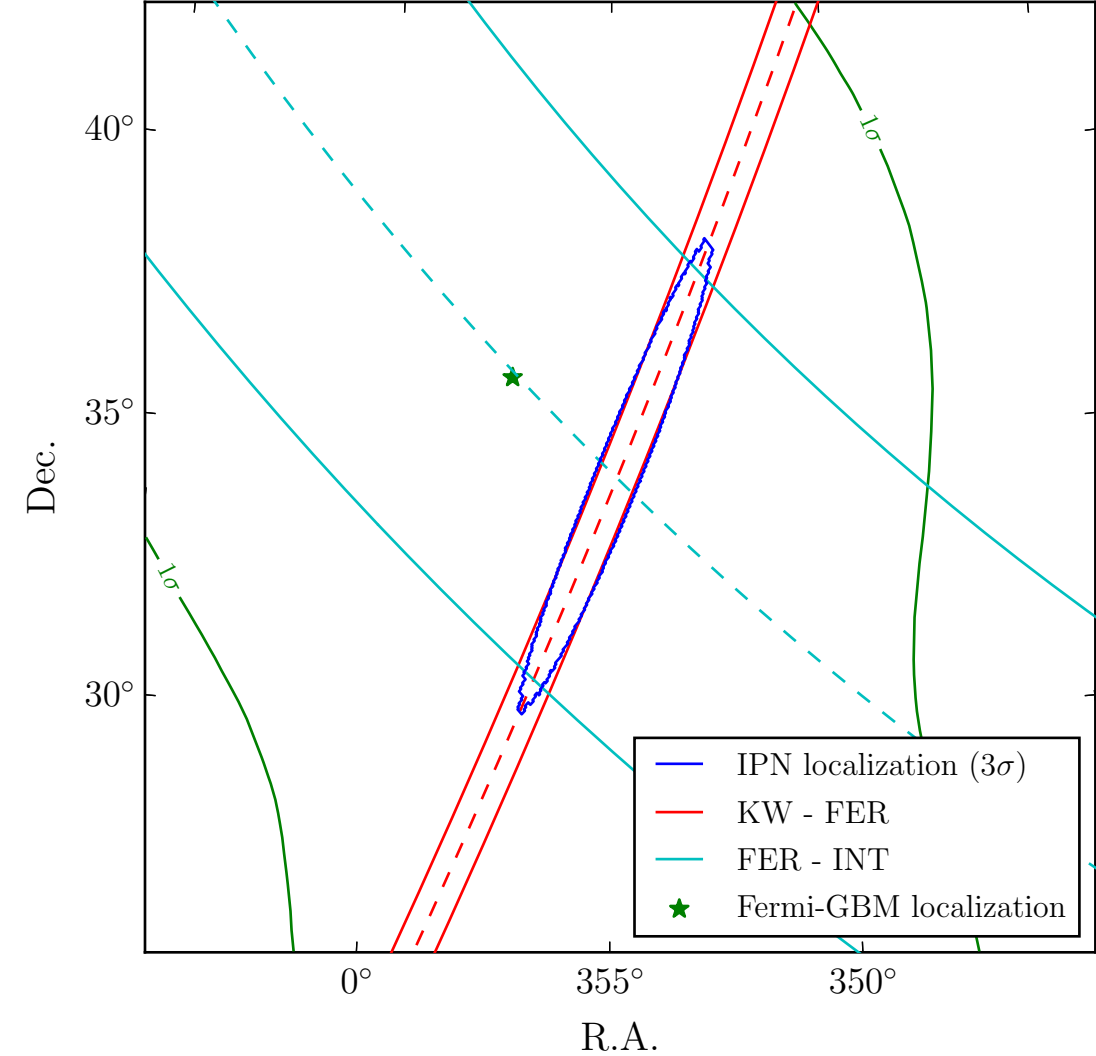
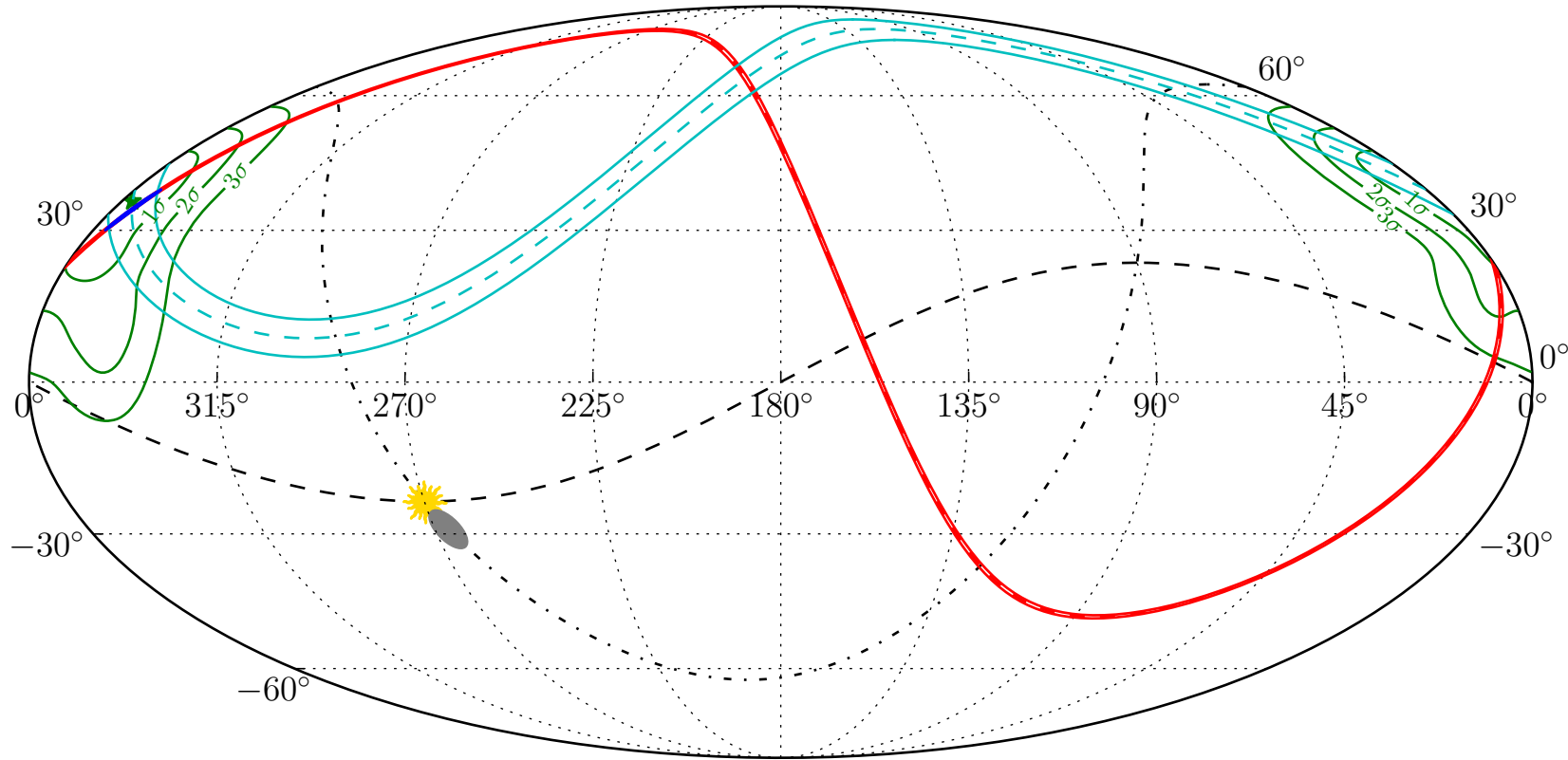
GRB20151202\_T48829 (2015-12-02 T<sub>0</sub>=48829.826 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - INT	63.5247	-35.1779	76.4995	12.5543
KW - FER	225.0440	-17.7489	84.2745	0.6963

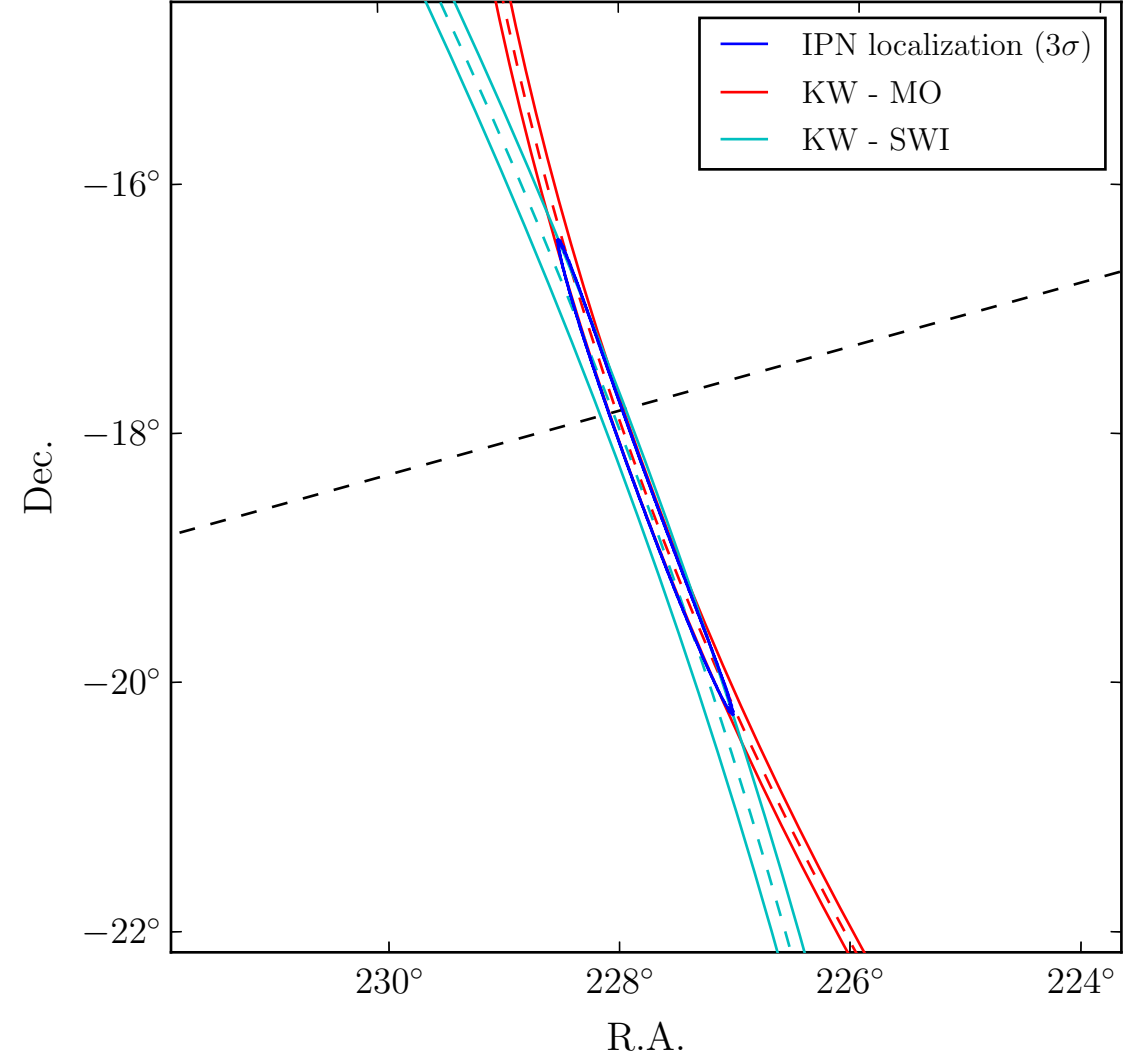
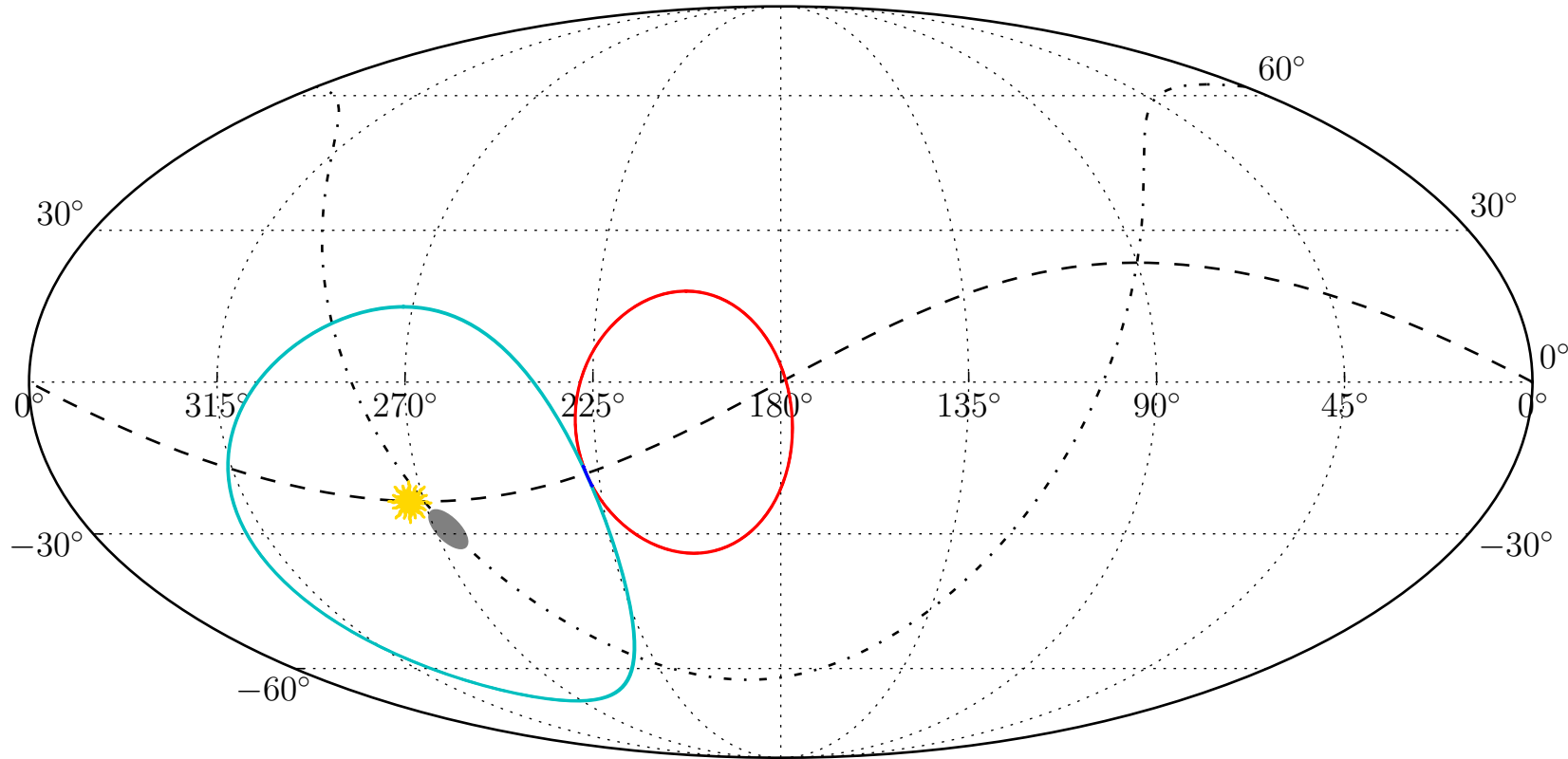
# GRB151222A (2015-12-22 $T_0=29415.138$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	83.6046	26.6575	74.4083	0.3518
FER - INT	294.1369	54.6531	46.1299	3.6556

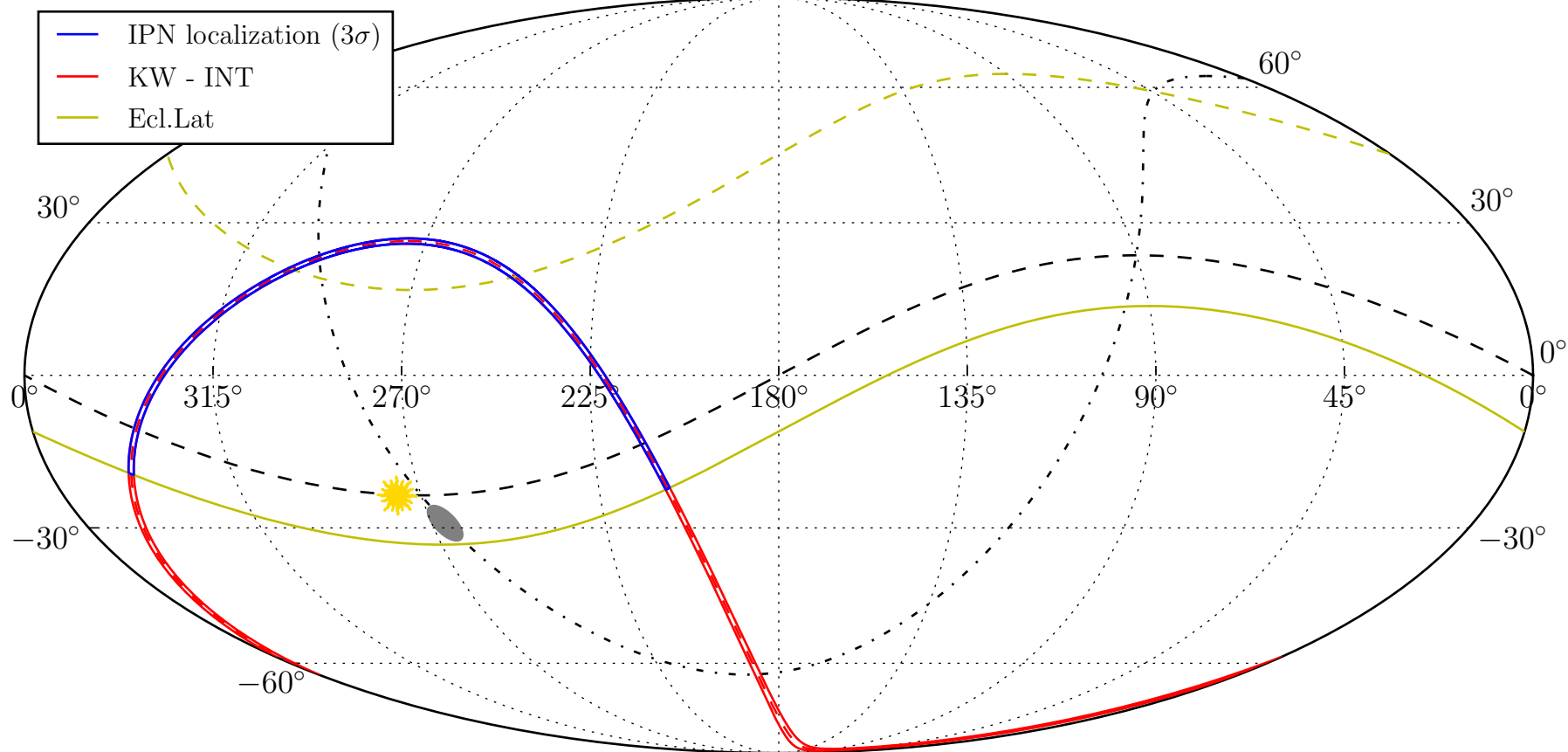
# GRB151225A (2015-12-25 T<sub>0</sub>=68946.508 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	203.3506	-8.1227	25.8971	0.0582
KW - SWI	272.2351	-26.9521	41.6306	0.1044

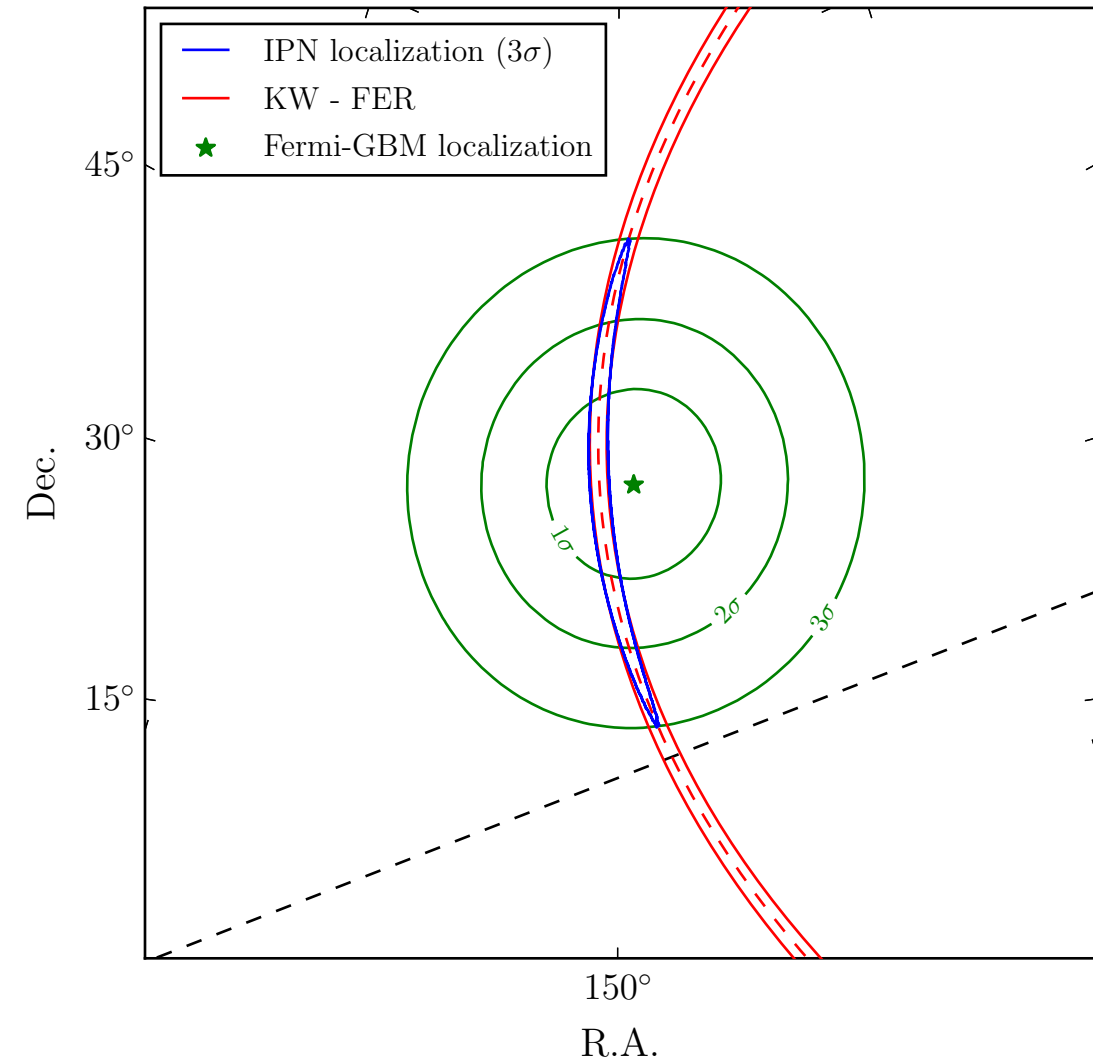
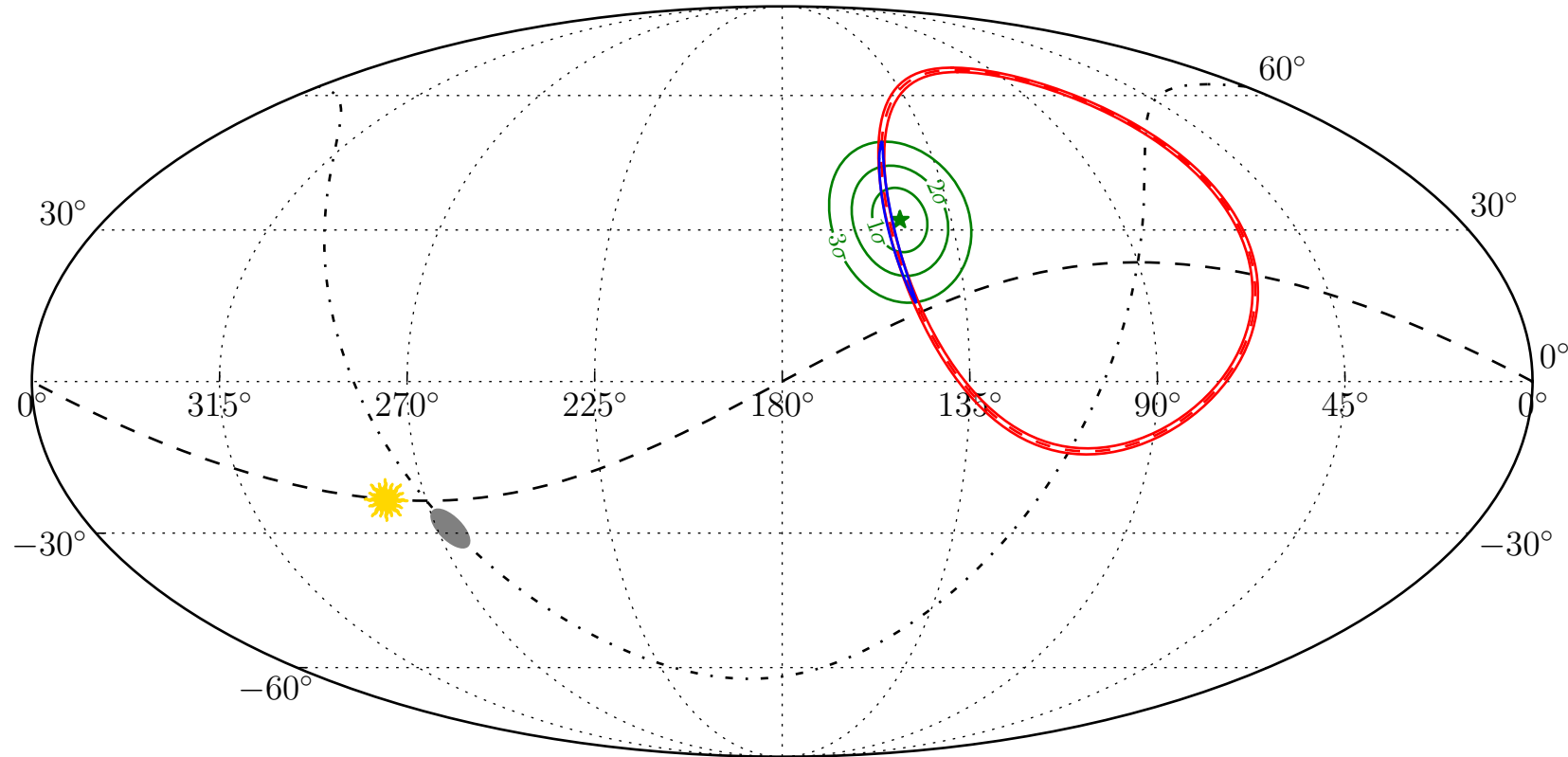
# GRB20151227\_T72717 (2015-12-27 T<sub>0</sub>=72717.744 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	274.7186	-33.0857	59.3785	0.5357
Ecl.Lat	270.0000	66.5610	50.0000	50.0000

# GRB151231B (2015-12-31 T<sub>0</sub>=49091.420 s, UT)

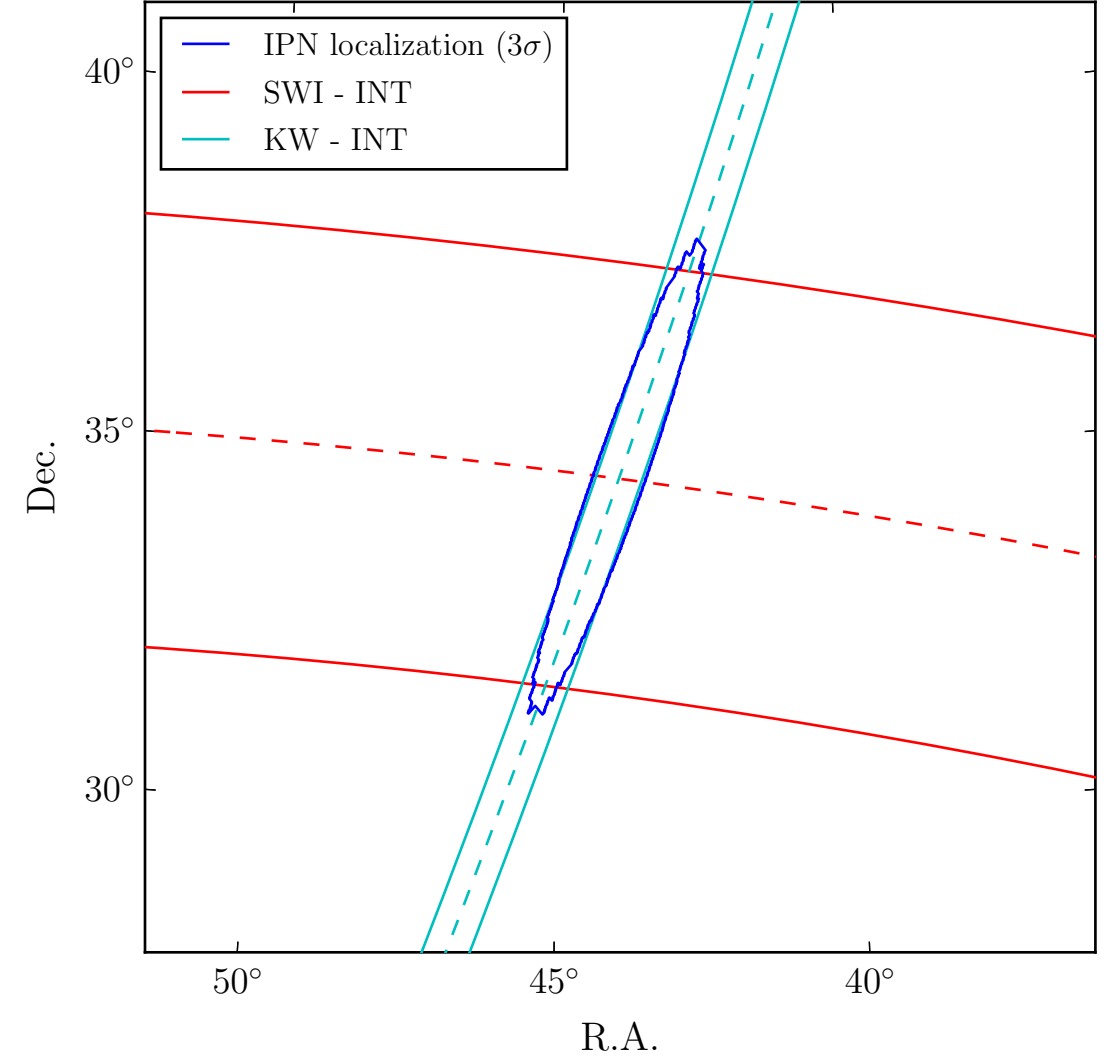
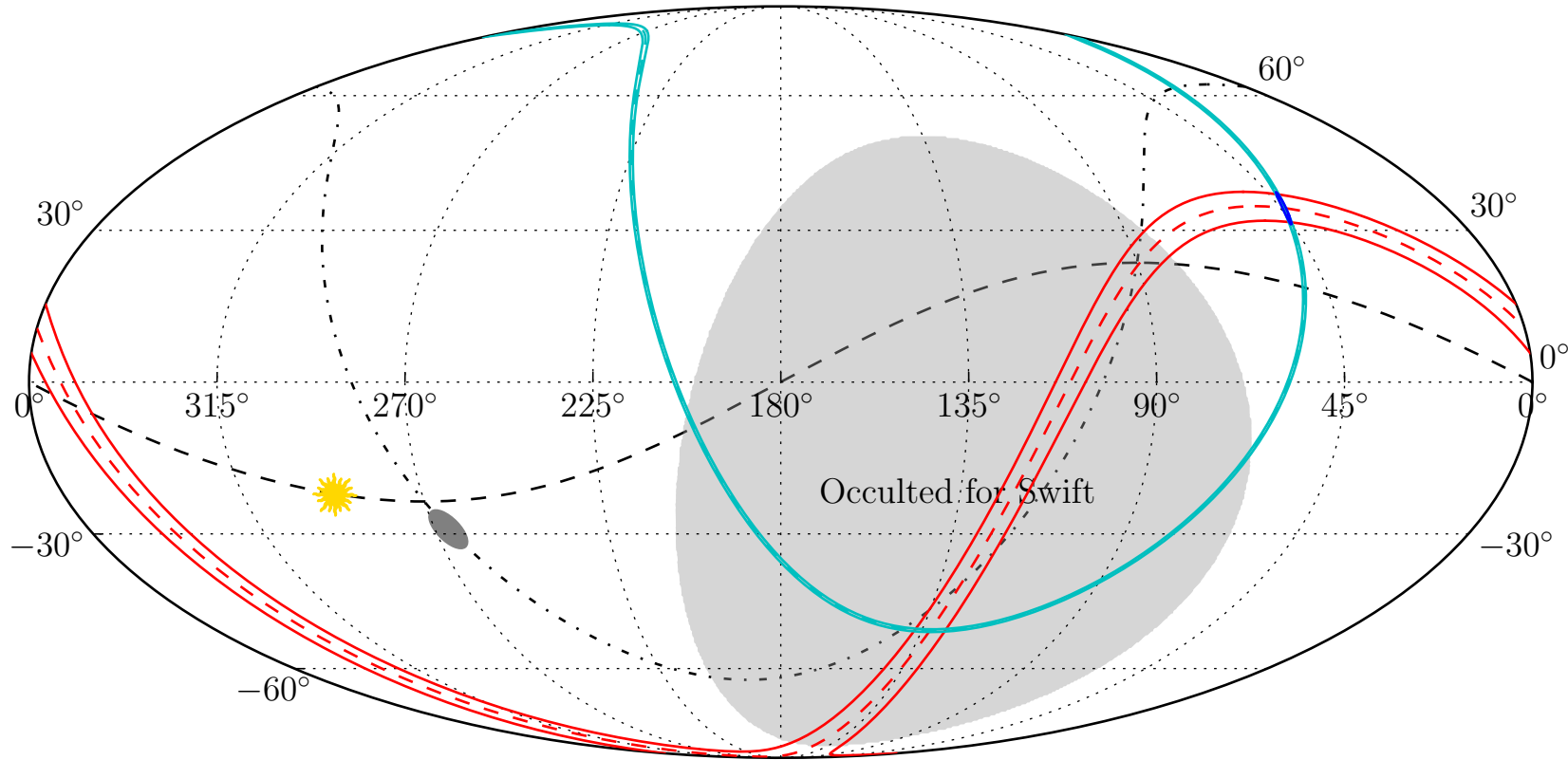


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	105.5863	26.5486	40.1814	0.5946



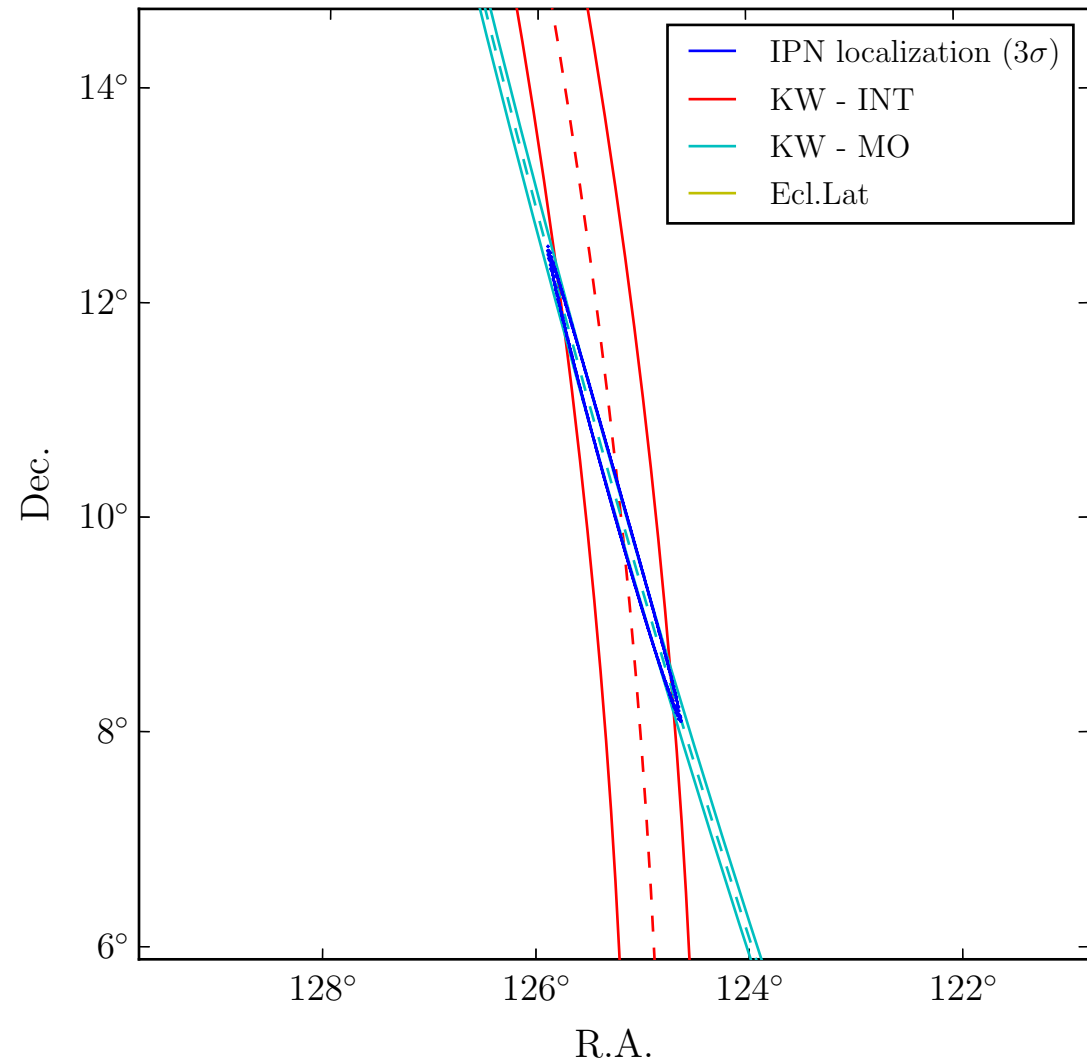
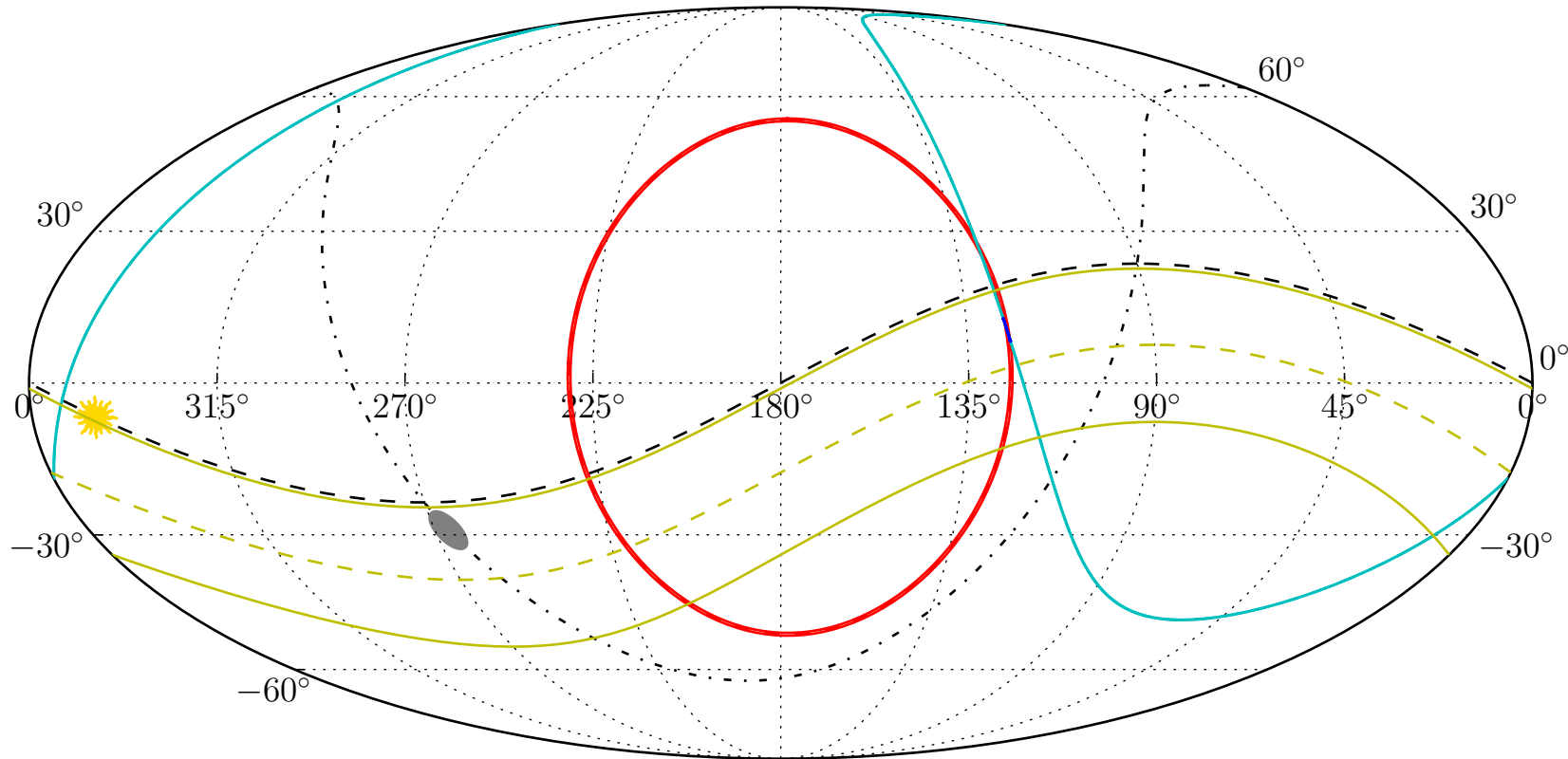
# GRB160111A (2016-01-11 $T_0=26526.639$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
SWI - INT	51.5758	-28.0257	63.0337	3.0280
KW - INT	131.8518	24.0662	74.9684	0.3137

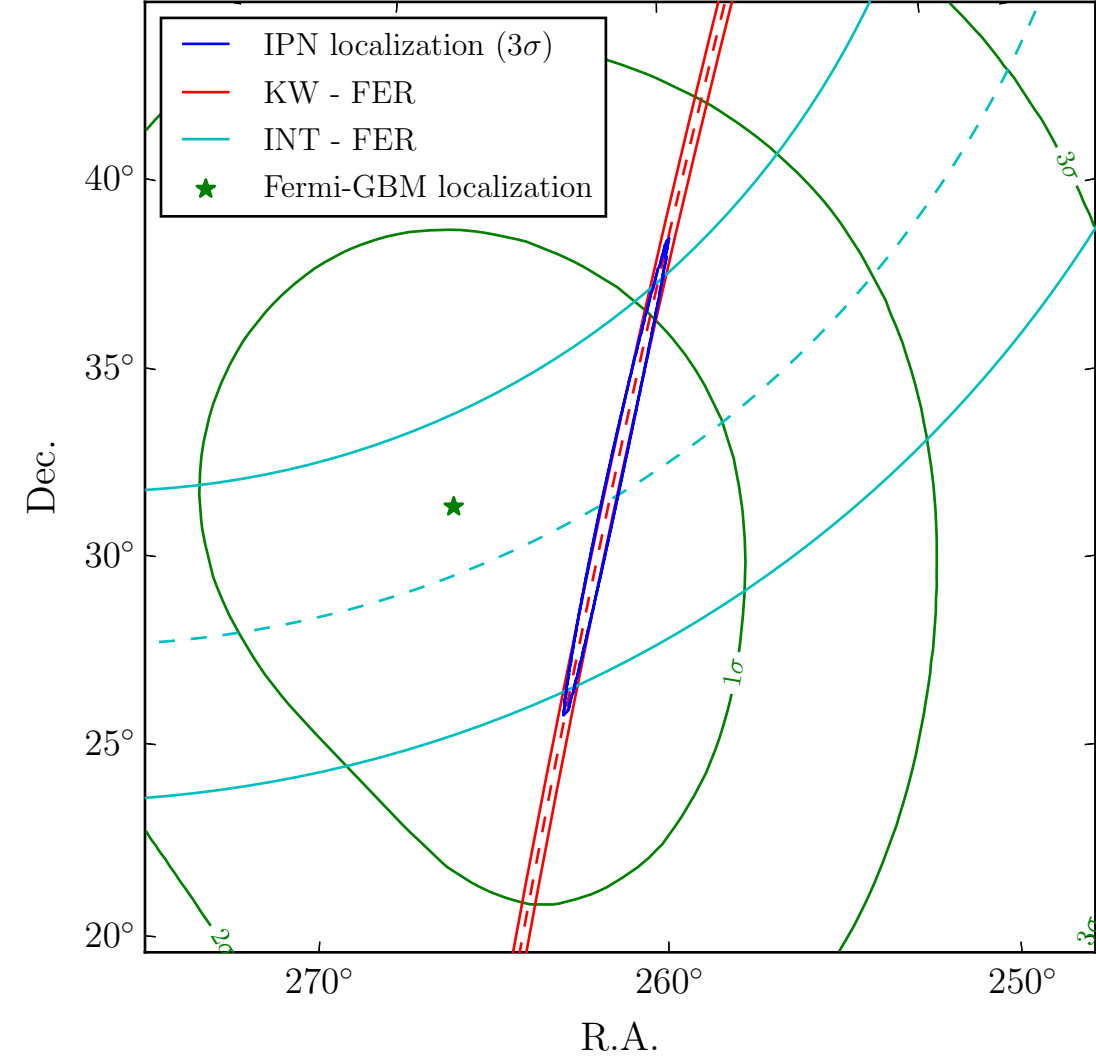
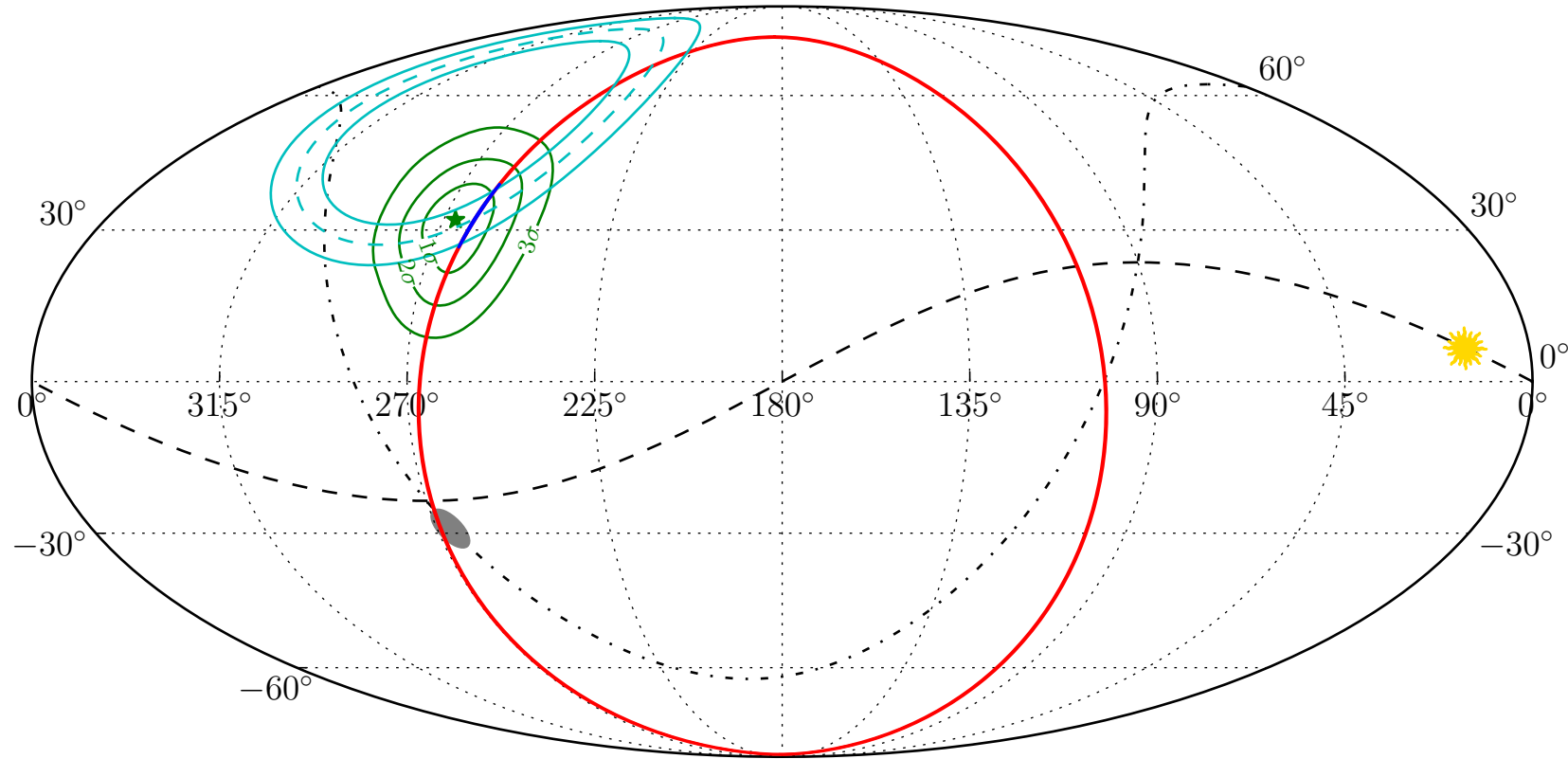
GRB20160303\_T73318 (2016-03-03 T<sub>0</sub>=73318.359 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	177.7577	1.4025	52.9319	0.3257
KW - MO	56.4528	18.5671	66.8075	0.0475
Ecl.Lat	270.0000	66.5610	106.0000	15.0000

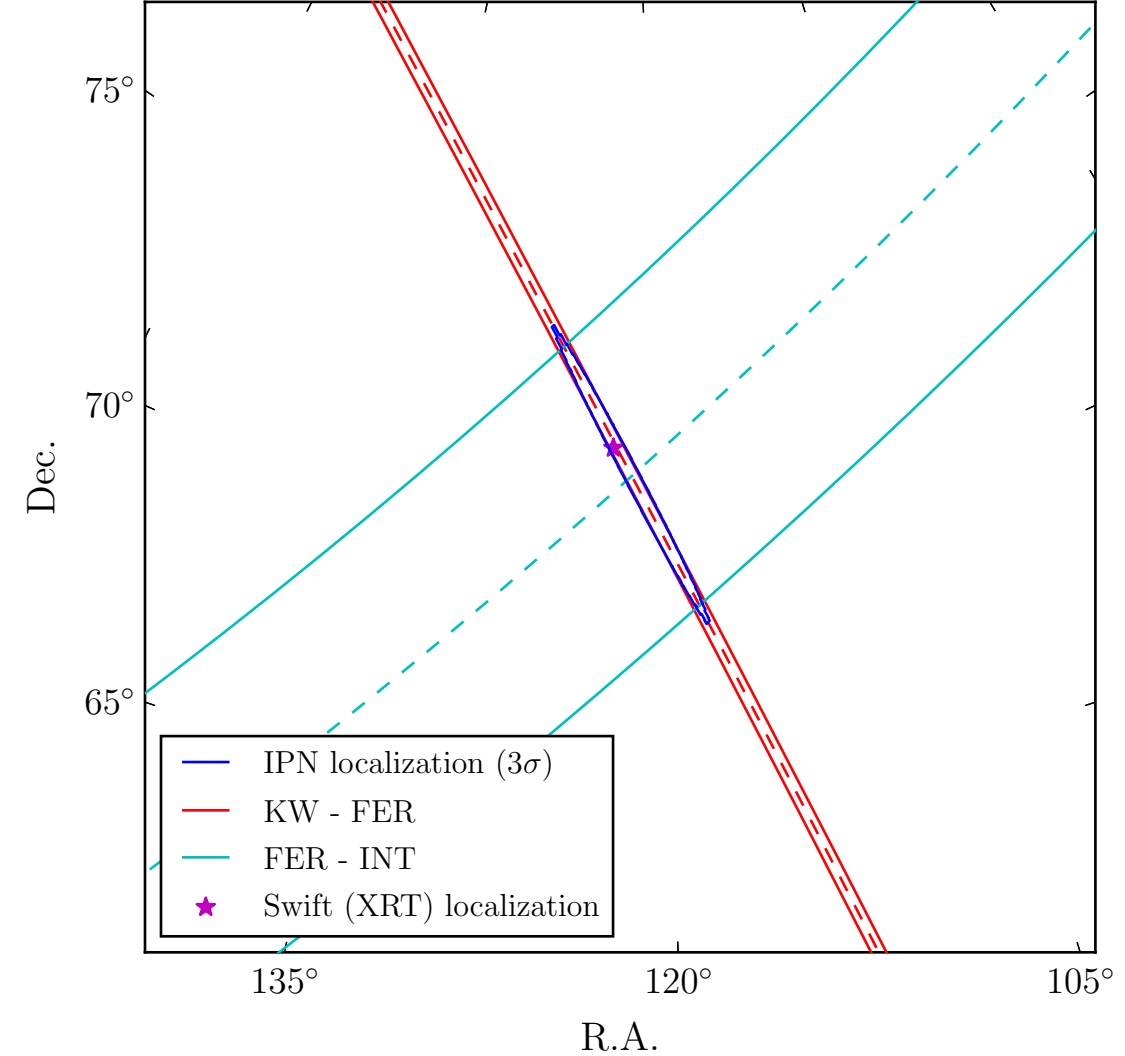
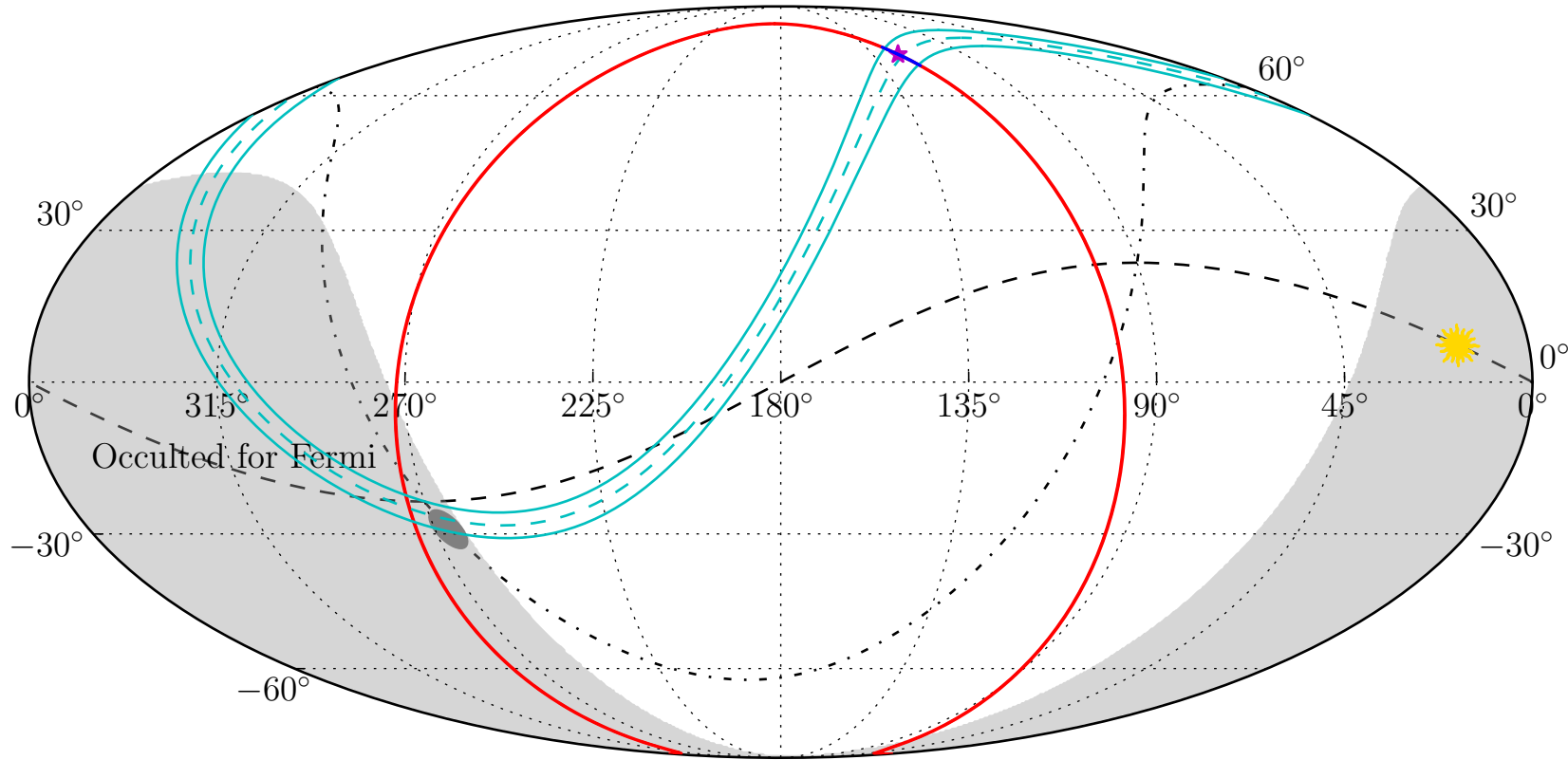
GRB160406A (2016-04-06  $T_0=43477.581$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	184.7468	-5.7533	82.2291	0.1768
INT - FER	283.9380	53.1466	26.1592	4.1197

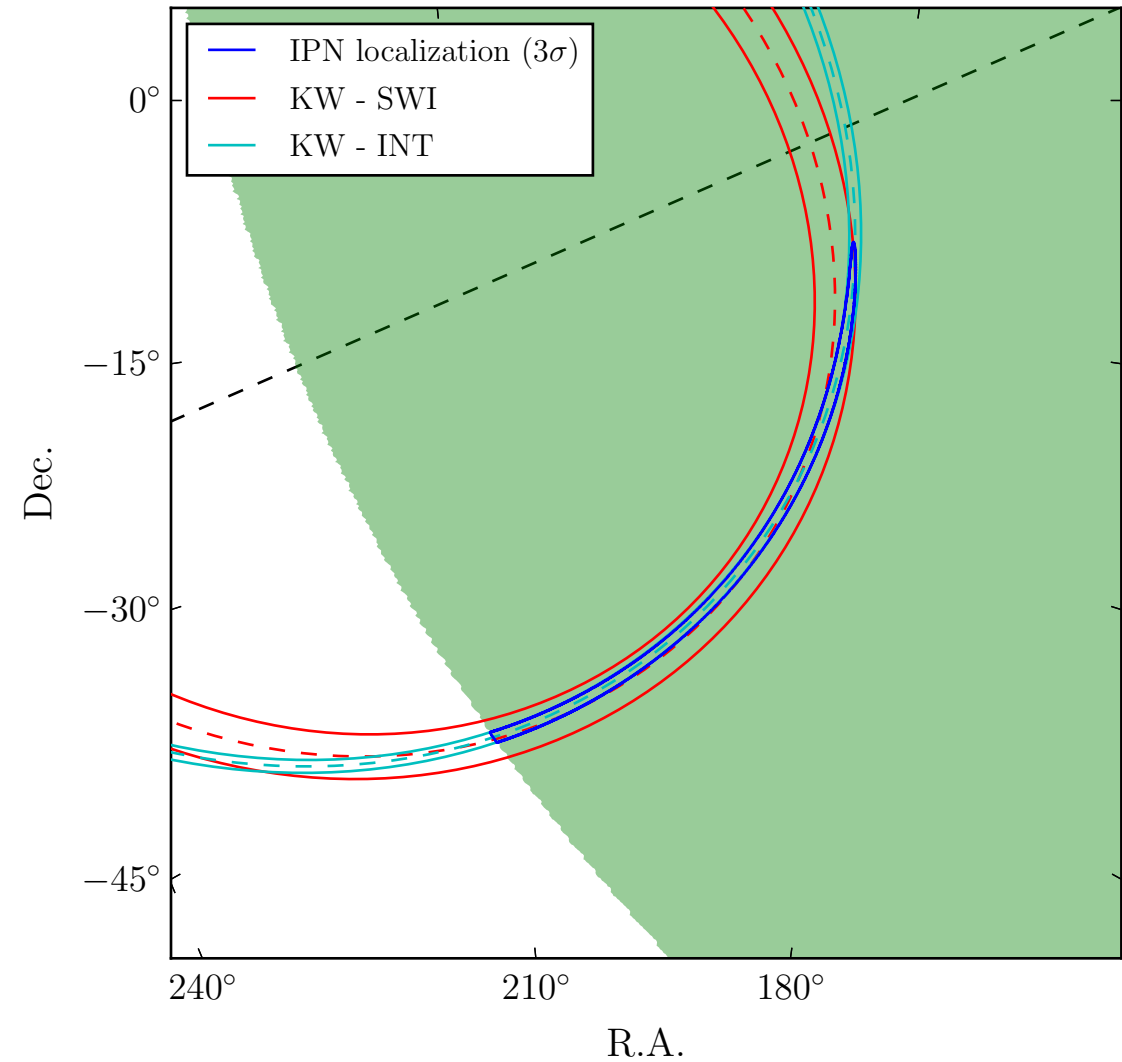
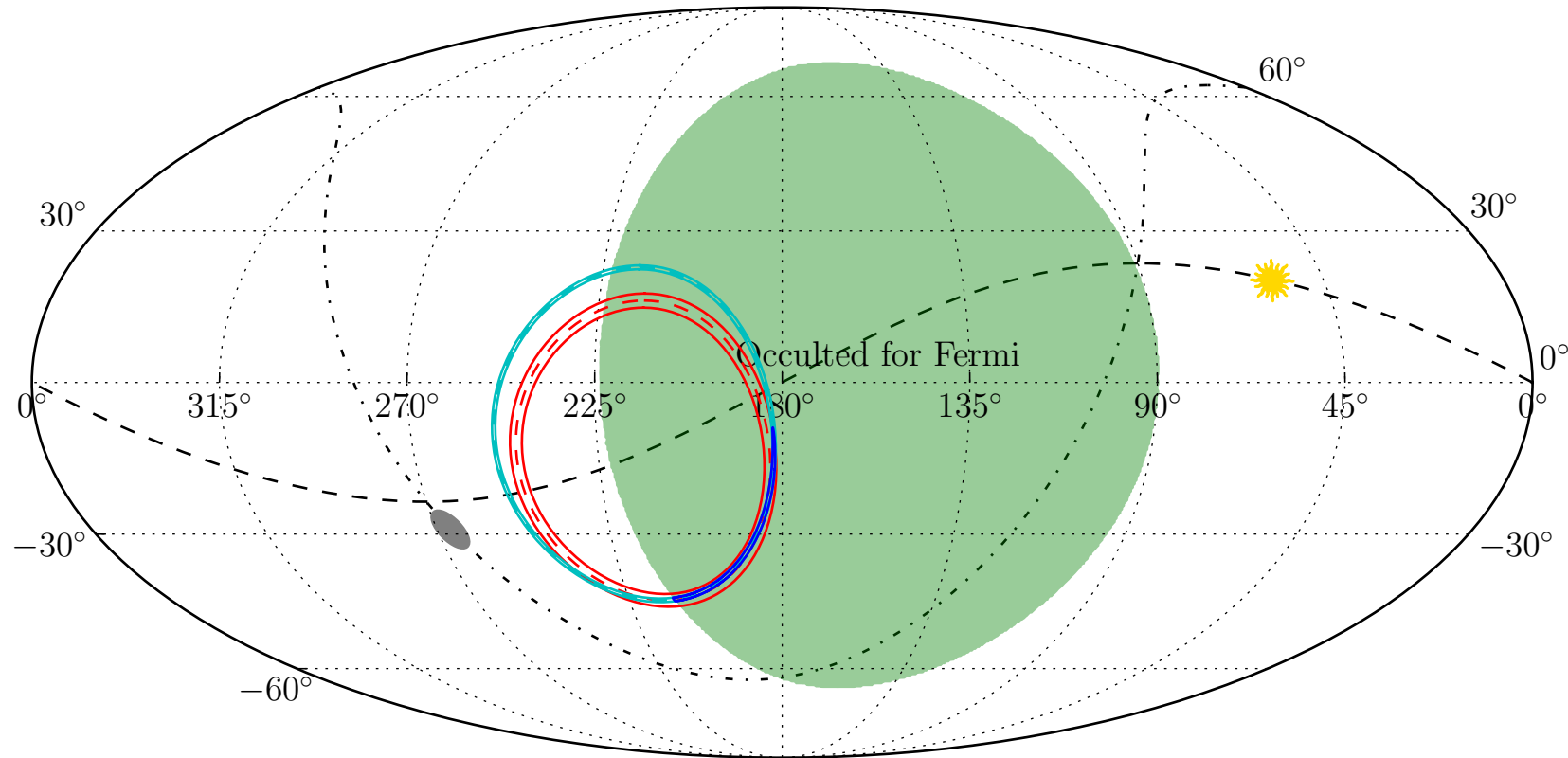
# GRB160408A (2016-04-08 $T_0=23144.202$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	184.9739	-5.8491	87.0283	0.1235
FER - INT	252.1271	37.7360	66.0054	2.6044

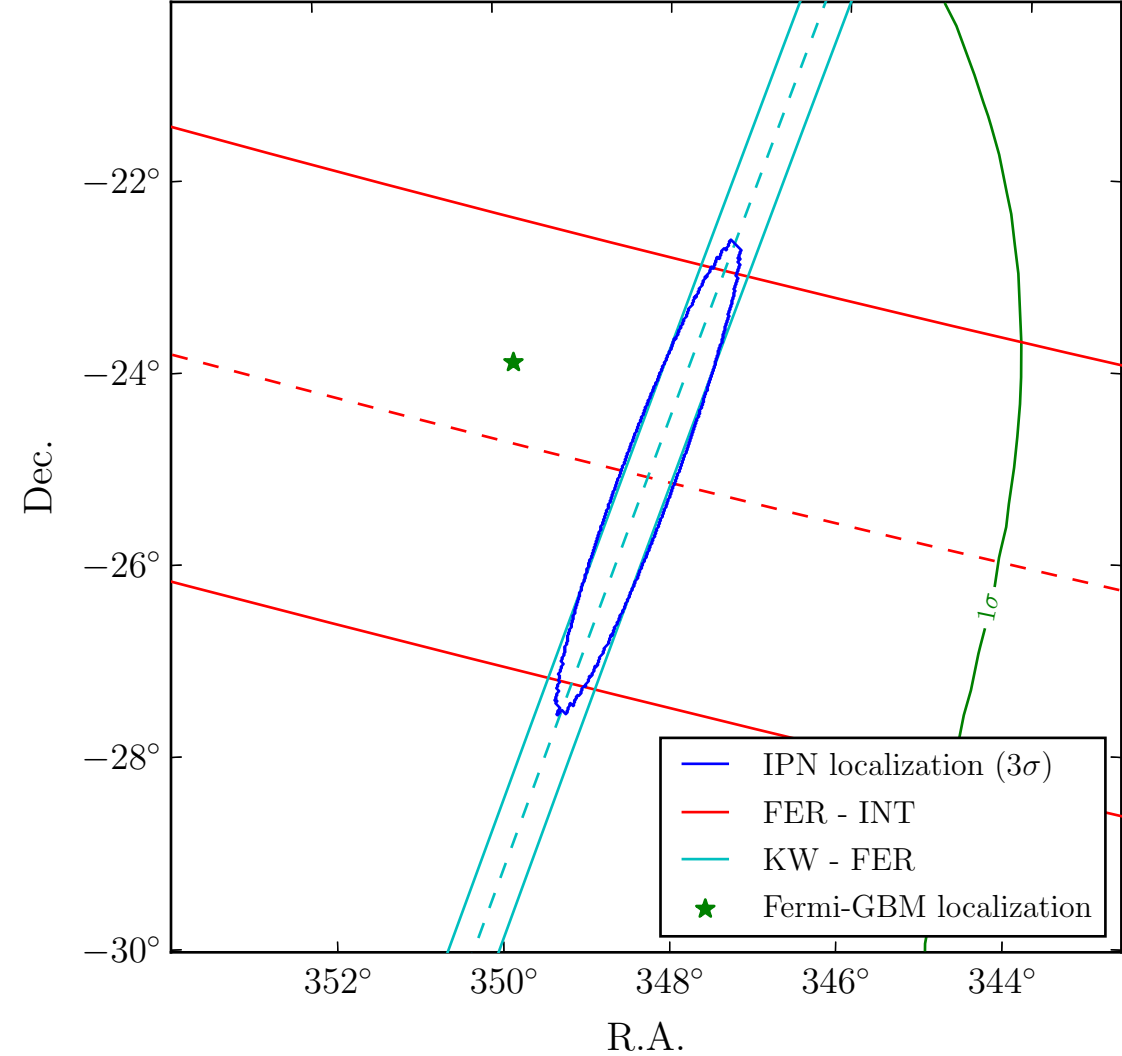
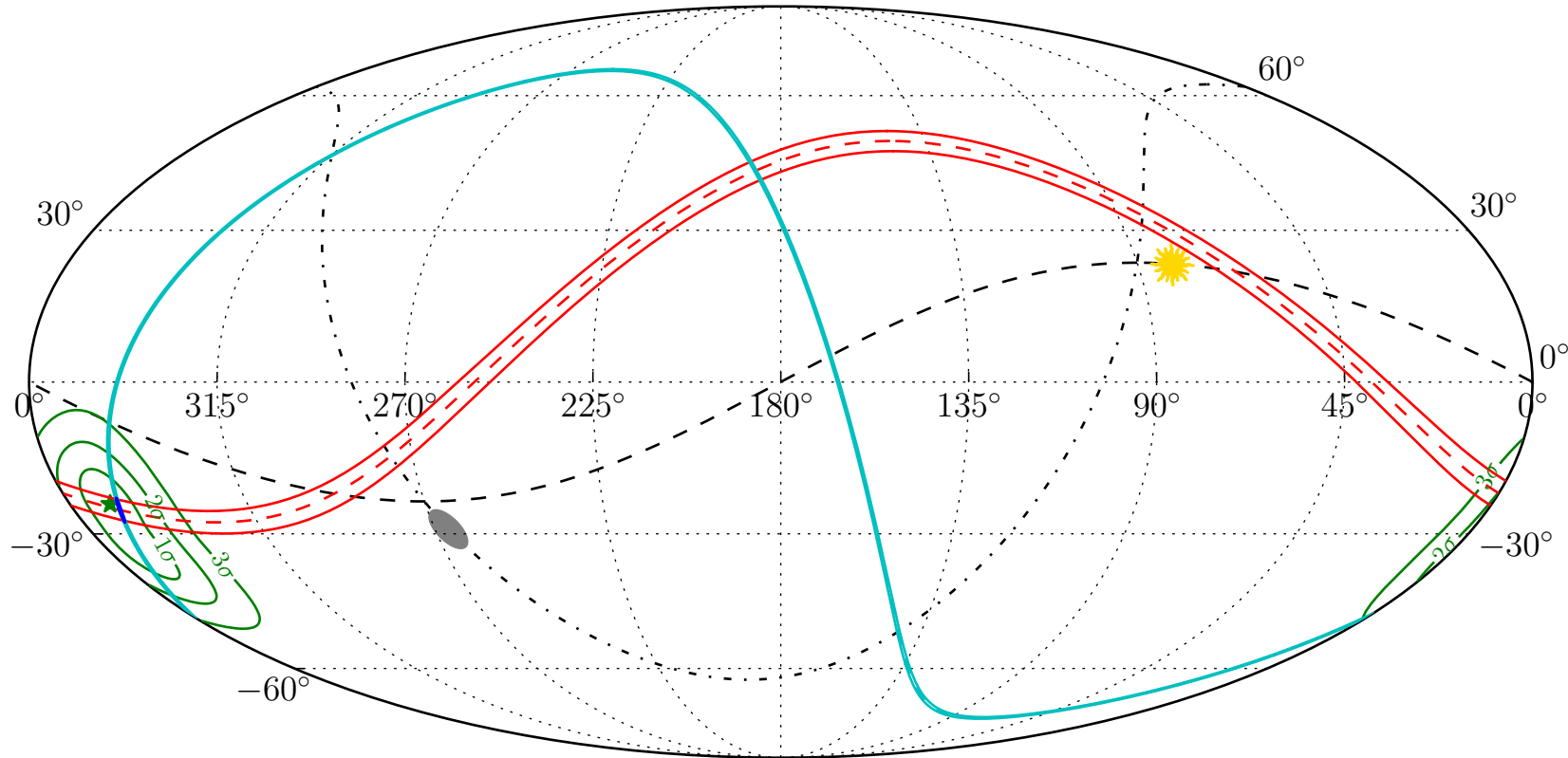
# GRB20160520\_T77416 (2016-05-20 T<sub>0</sub>=77416.866 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	213.9691	-14.0235	30.0398	1.3982
KW - INT	215.9482	-10.7107	33.3342	0.3915

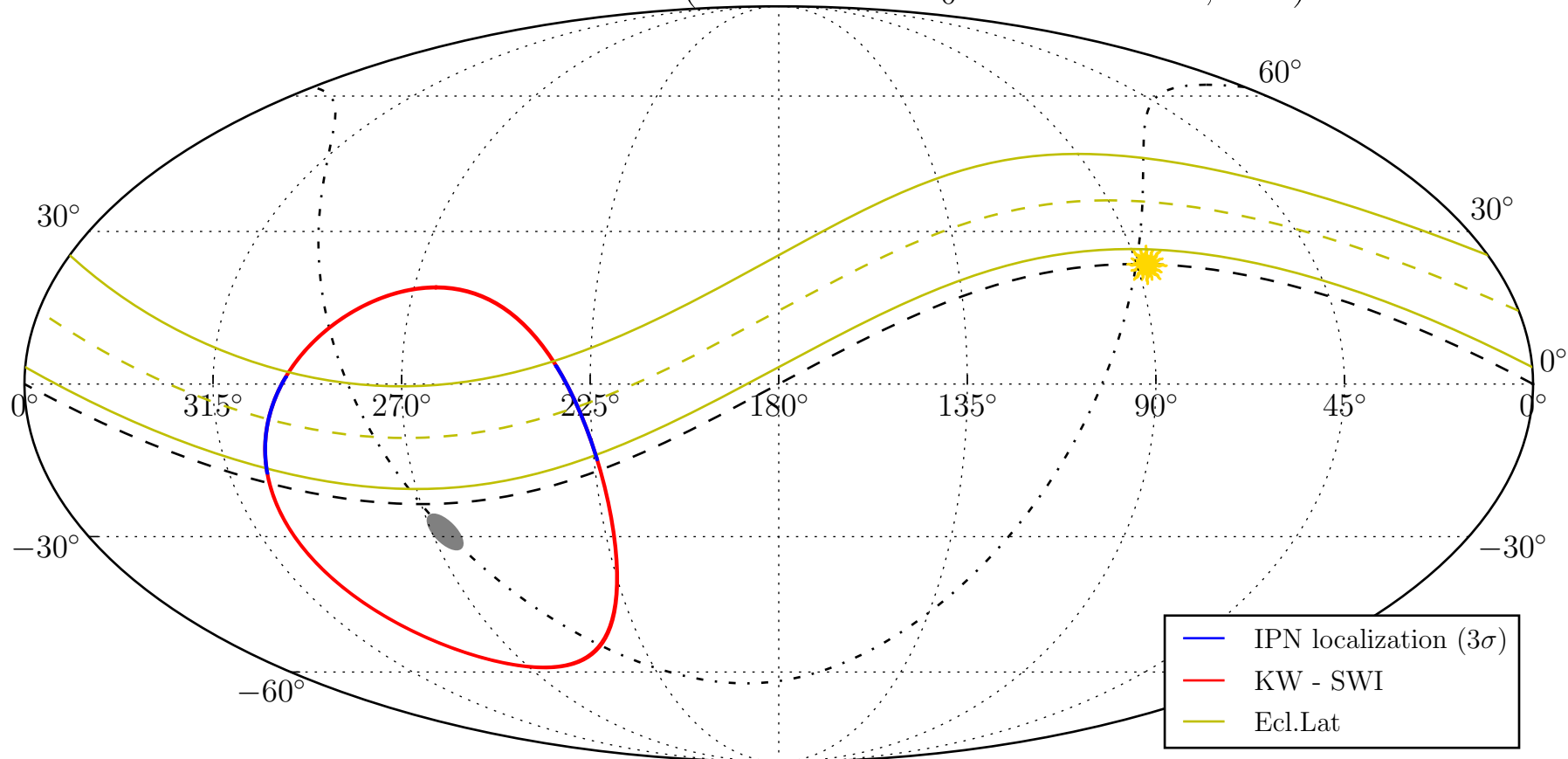
# GRB160612A (2016-06-12 $T_0=72767.893$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - INT	325.8800	51.5751	79.2383	2.2914
KW - FER	252.5818	-19.8516	86.5490	0.2496

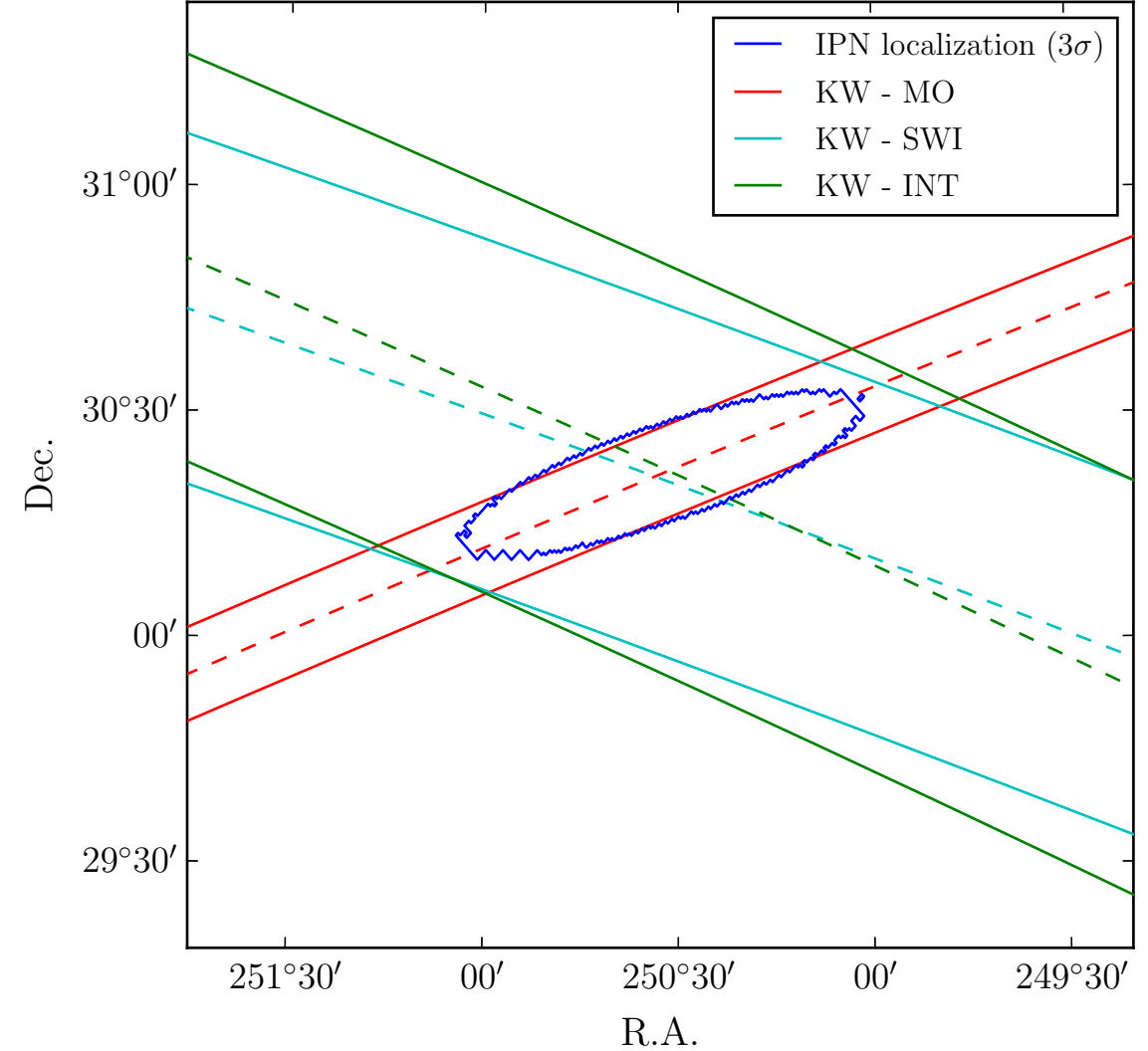
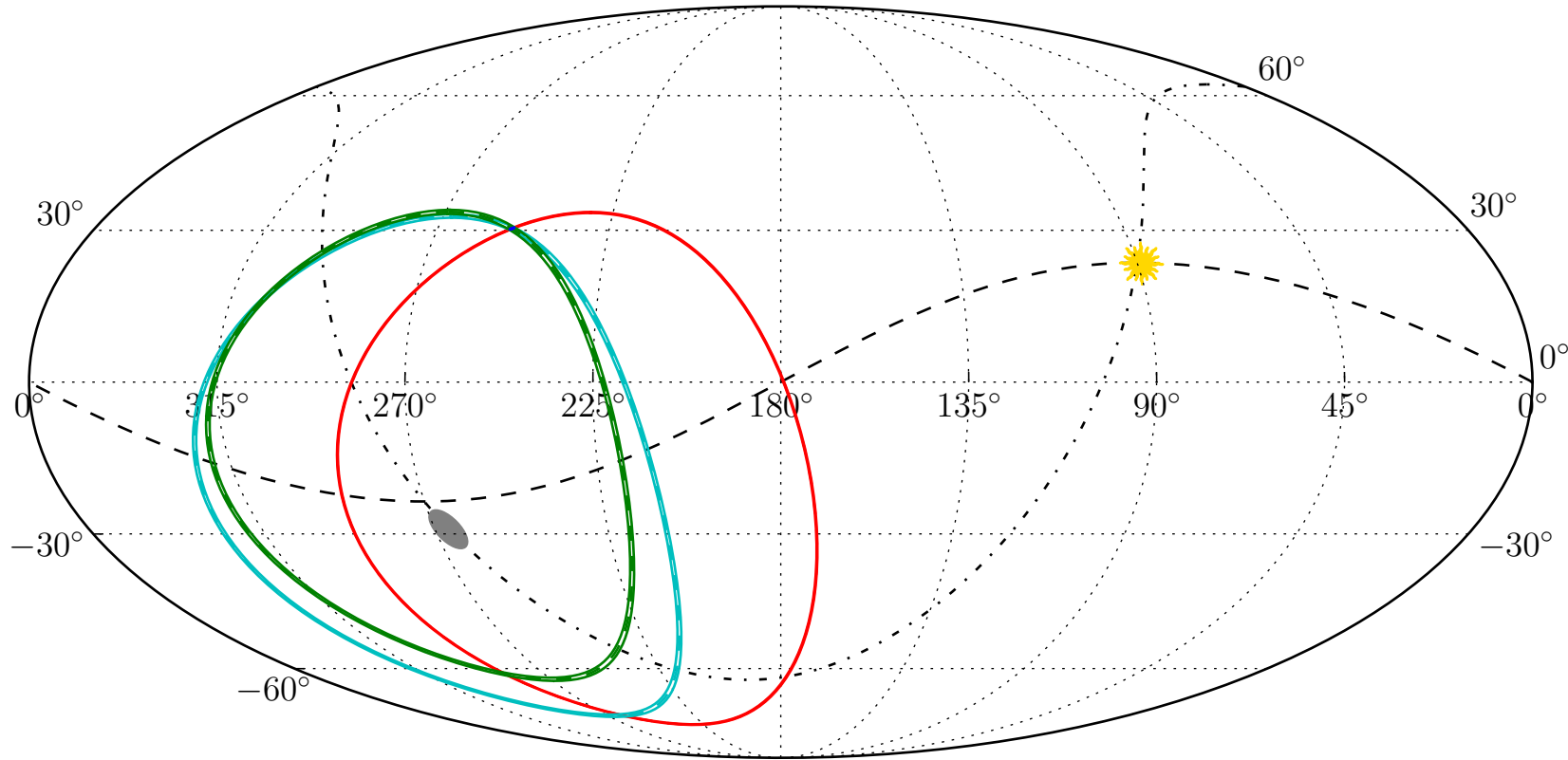
# GRB20160618\_T59629 (2016-06-18 T<sub>0</sub>=59629.659 s, UT)



Parameters of IPN annuli

Instrument	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	264.6144	-20.0350	38.8340	0.1697
Ecl.Lat	270.0000	66.5610	77.0000	10.0000

GRB160620A (2016-06-20  $T_0=18380.236$  s, UT)

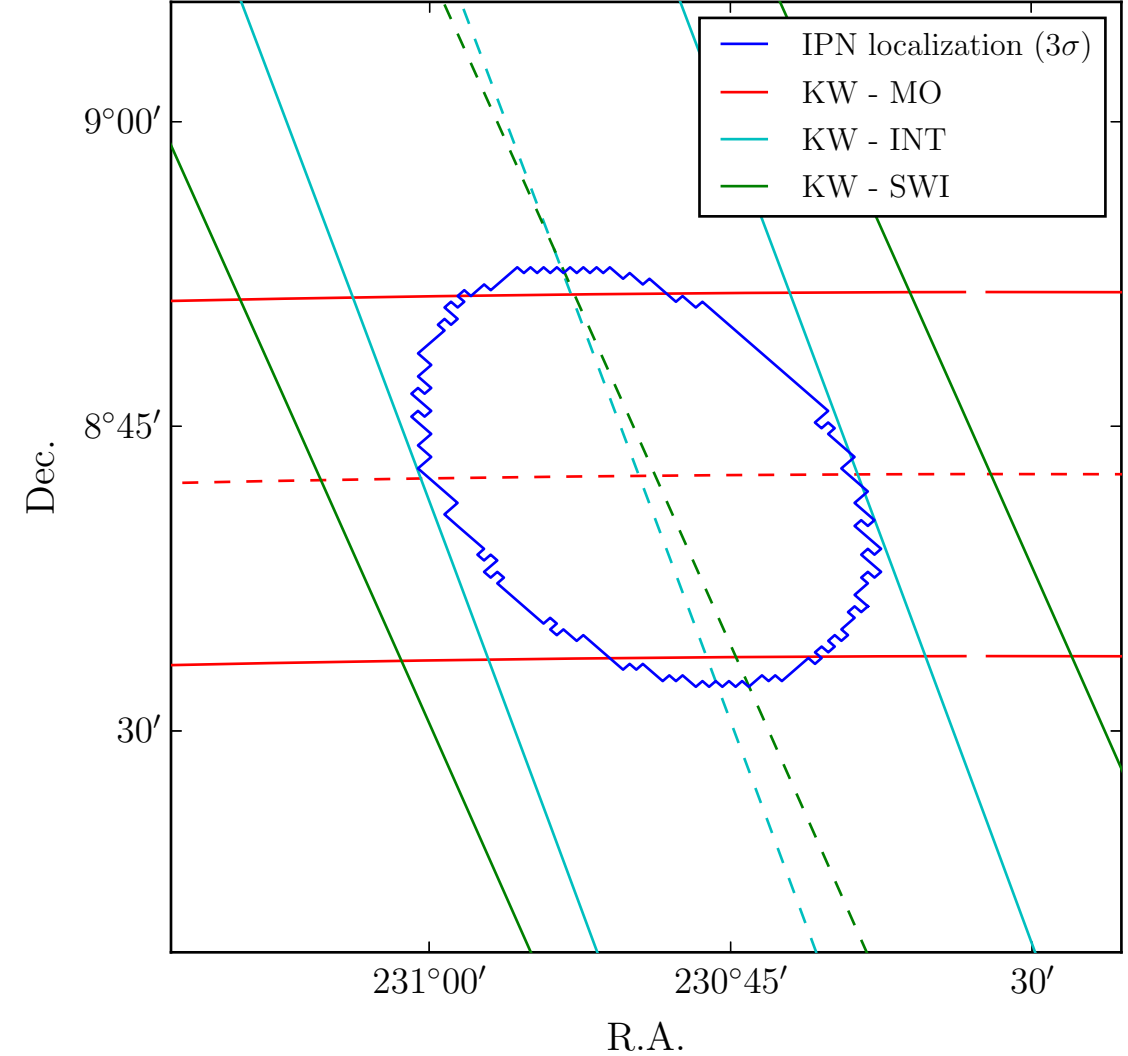
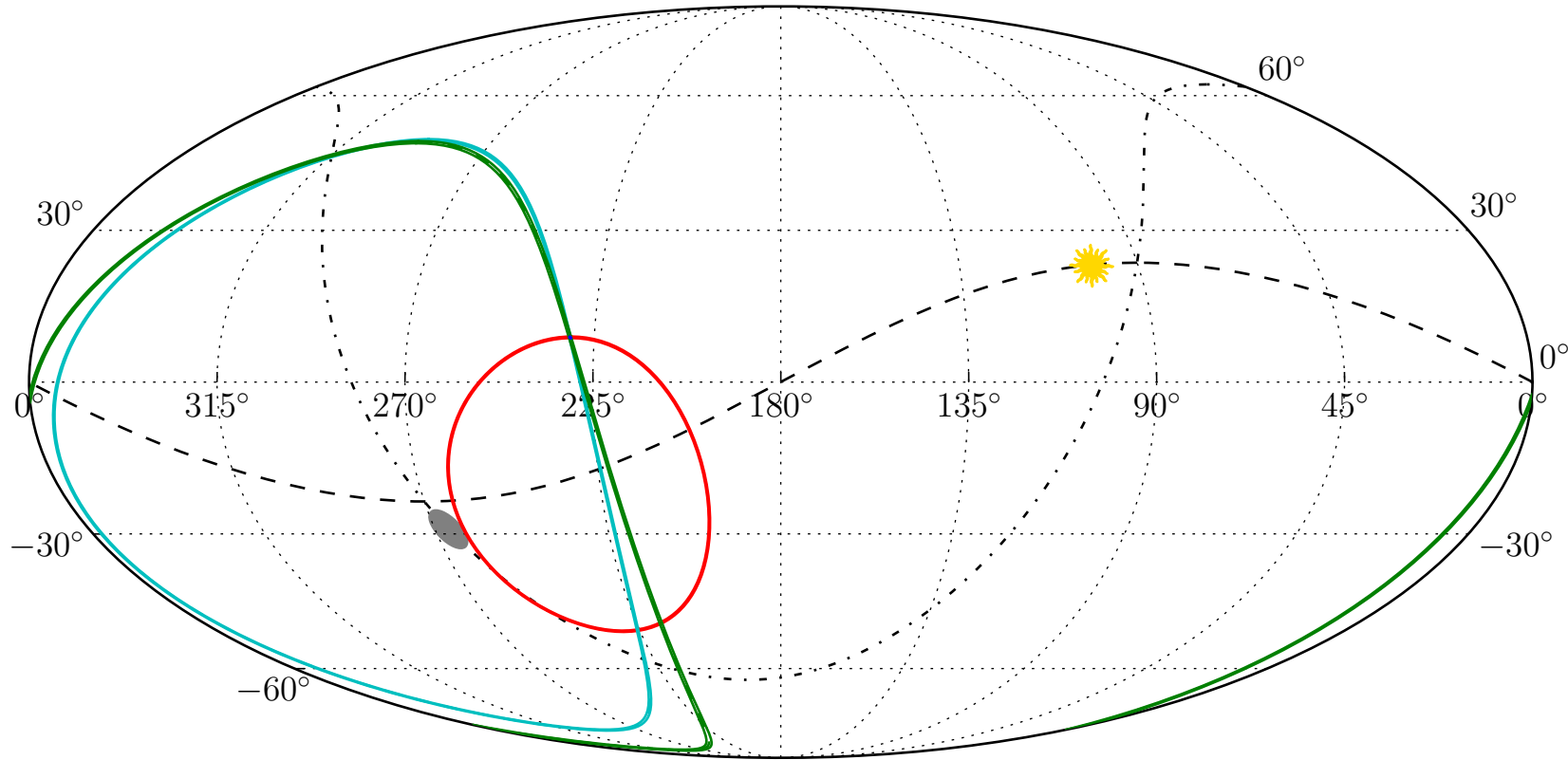


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	231.0183	-20.9836	54.6712	0.0957
KW - SWI	267.6256	-19.9601	52.9283	0.3668
KW - INT	269.1414	-14.4611	48.2818	0.4150



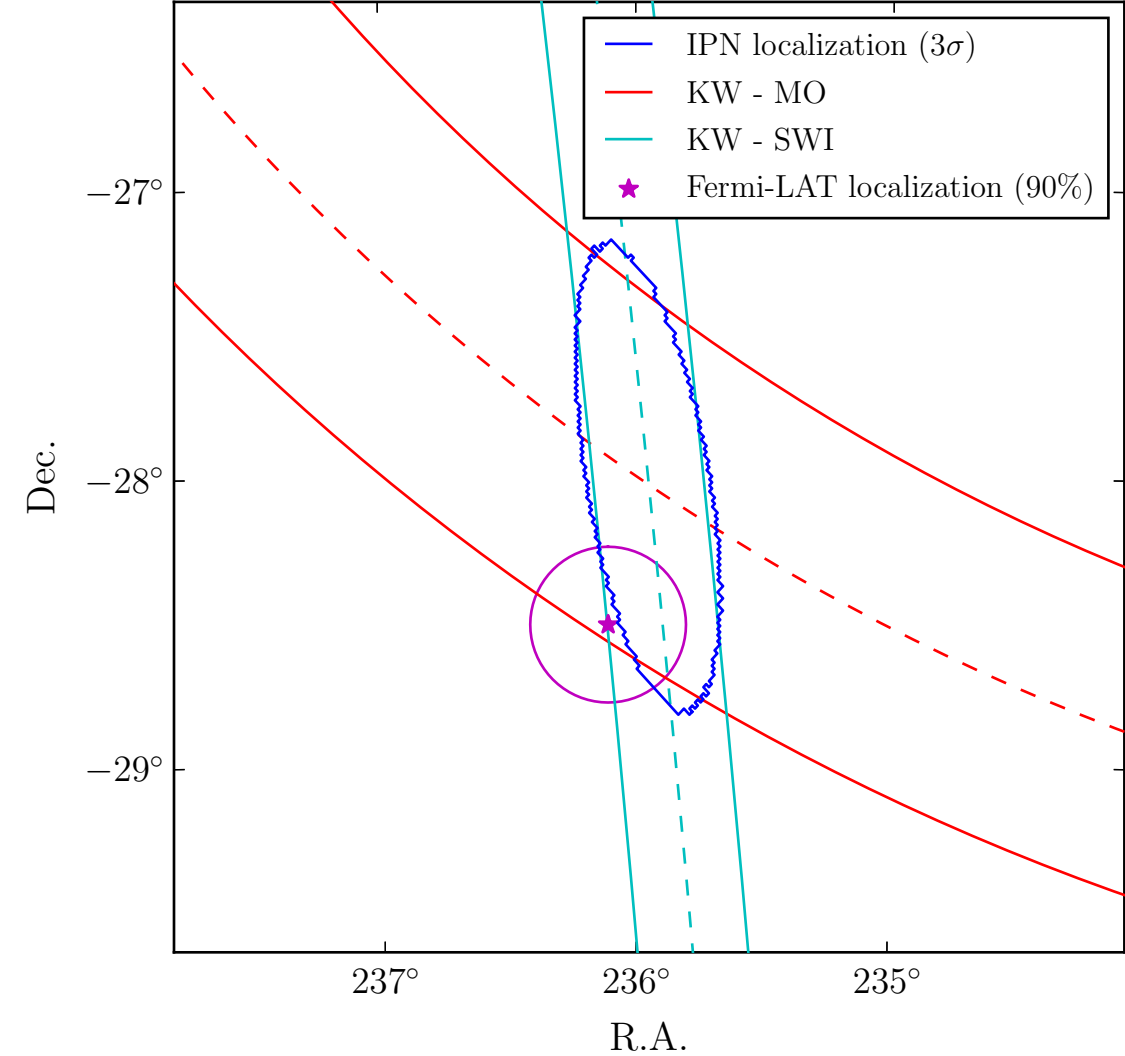
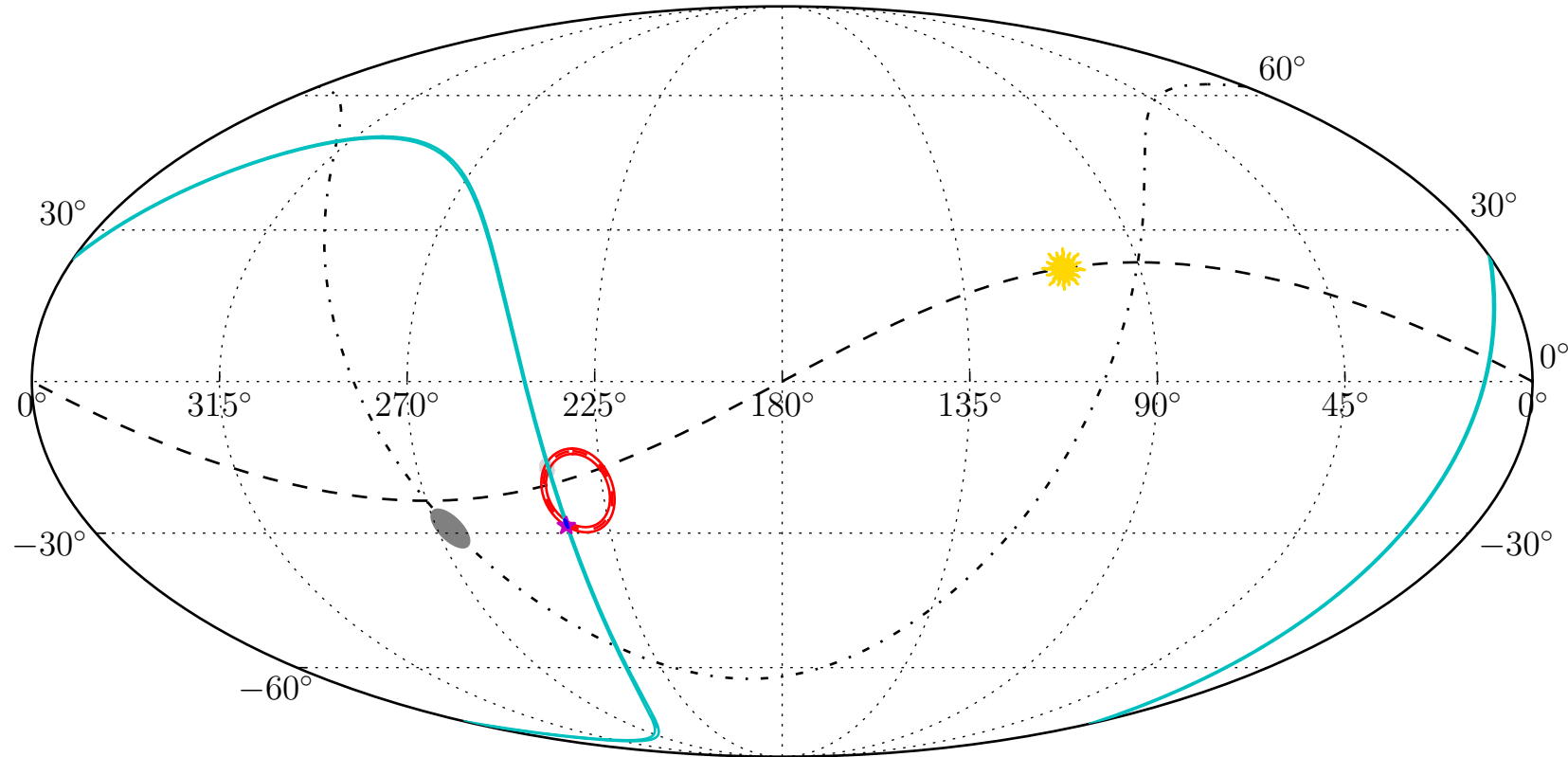
# GRB160702A (2016-07-02 $T_0=44544.054$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	230.5371	-21.1638	29.8747	0.1494
KW - INT	290.5562	-14.0142	63.4641	0.1685
KW - SWI	293.1068	-18.1455	67.0733	0.2521

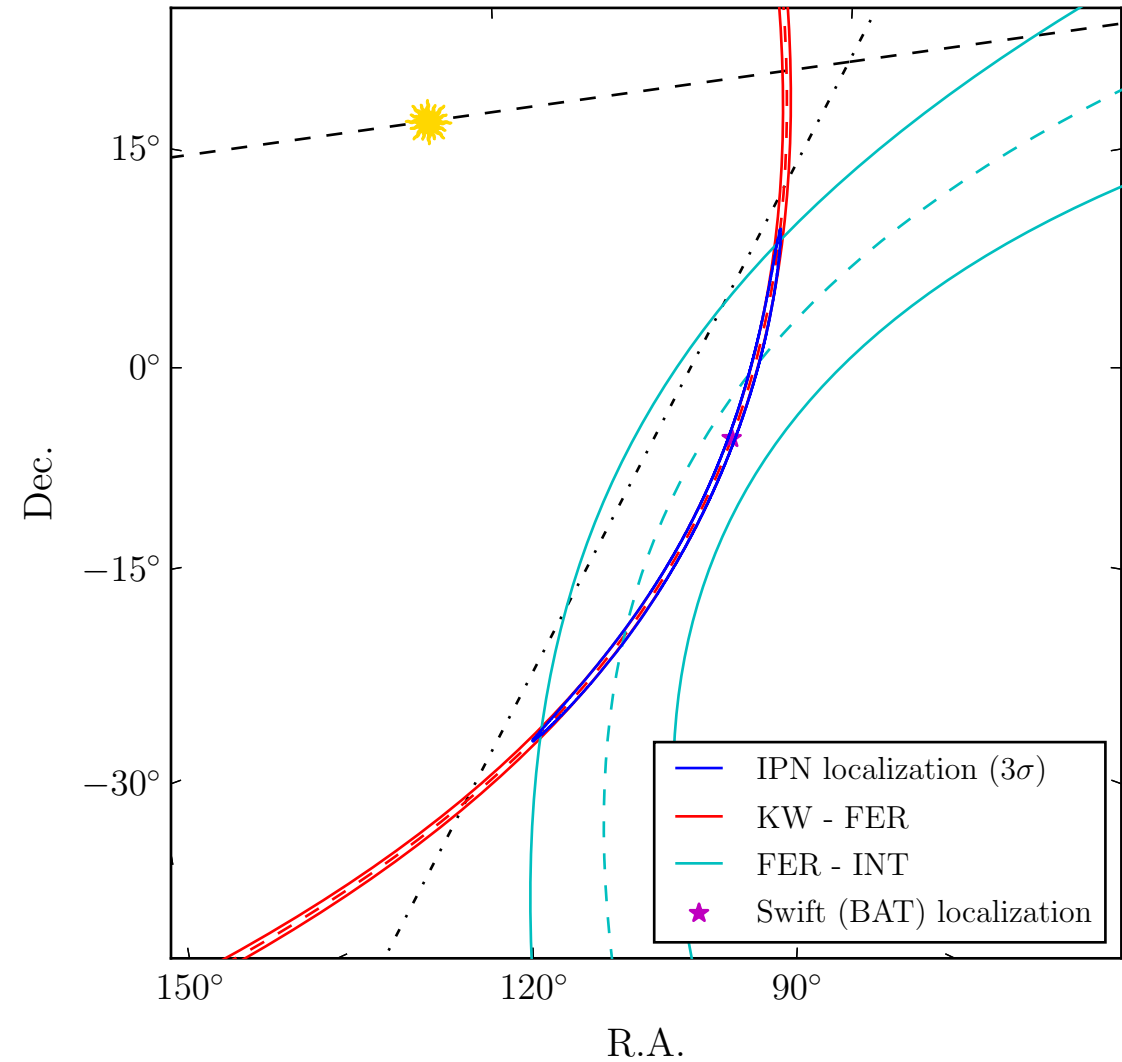
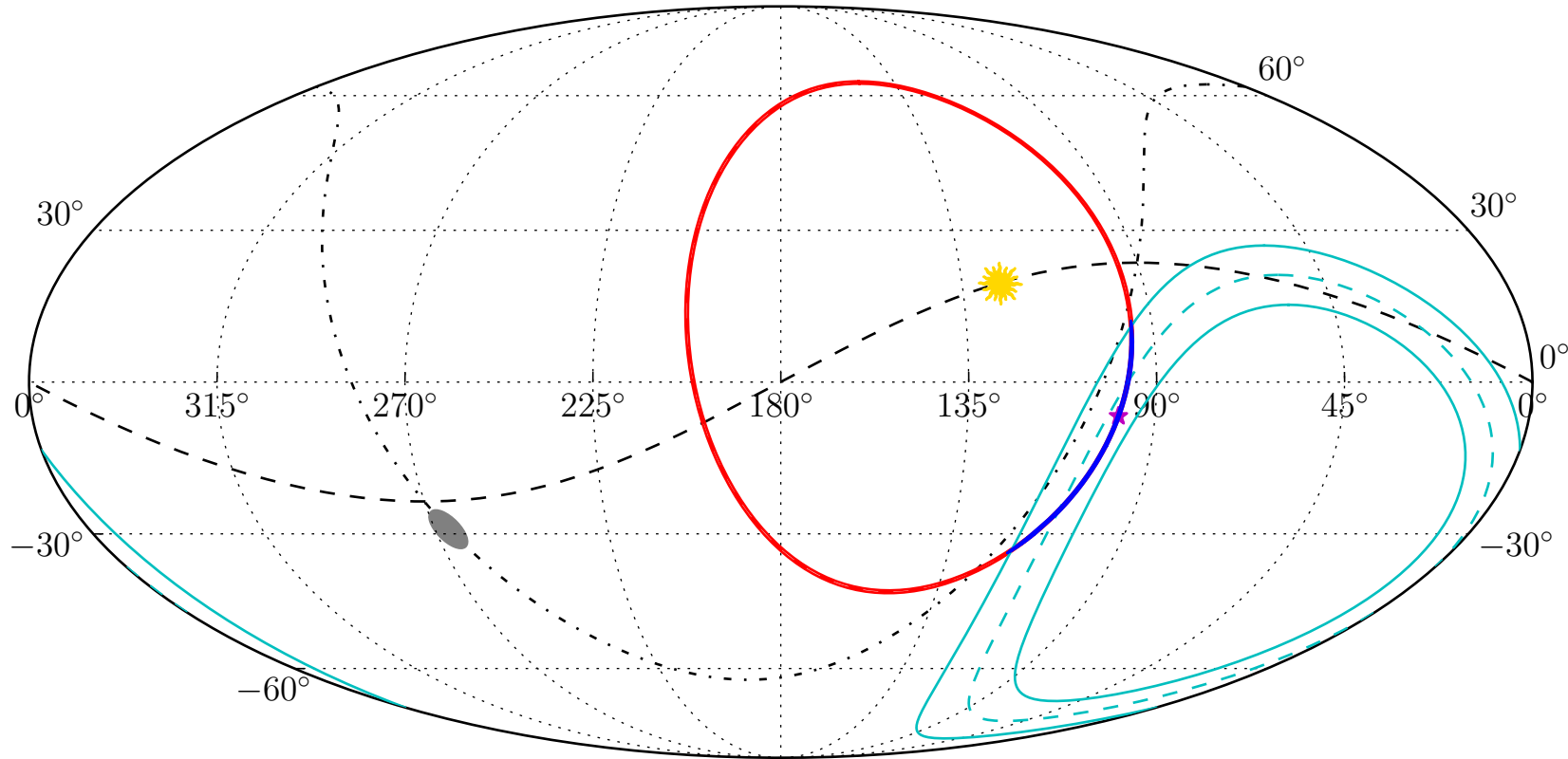
# GRB160709A (2016-07-09 $T_0=71345.896$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	231.2148	-21.4472	7.8566	0.5316
KW - SWI	306.6252	-15.8458	65.8391	0.1912

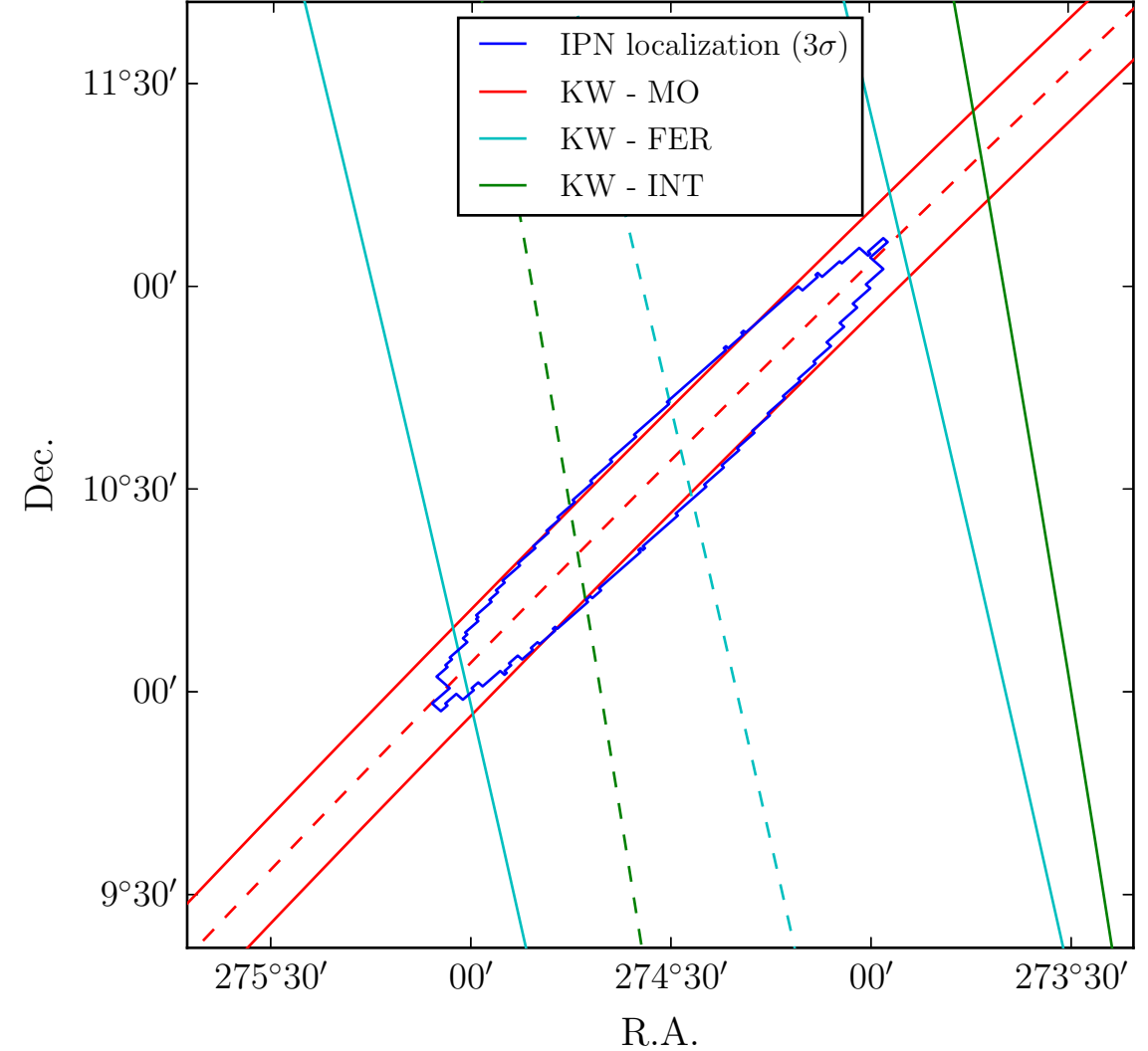
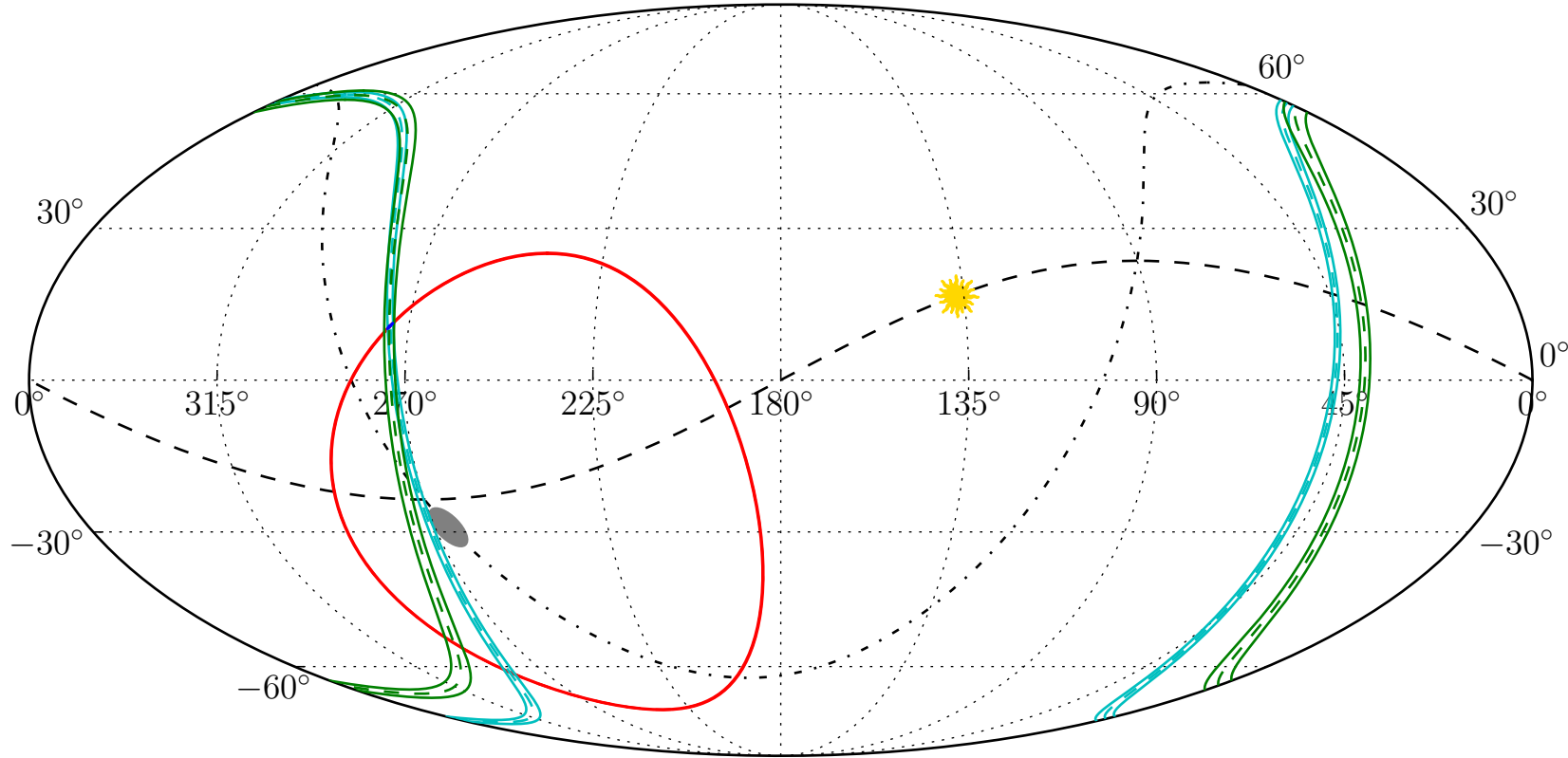
# GRB160726A (2016-07-26 T<sub>0</sub>=5645.315 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	148.9344	10.5839	52.7902	0.3037
FER - INT	55.7489	-26.7691	47.7590	5.9062

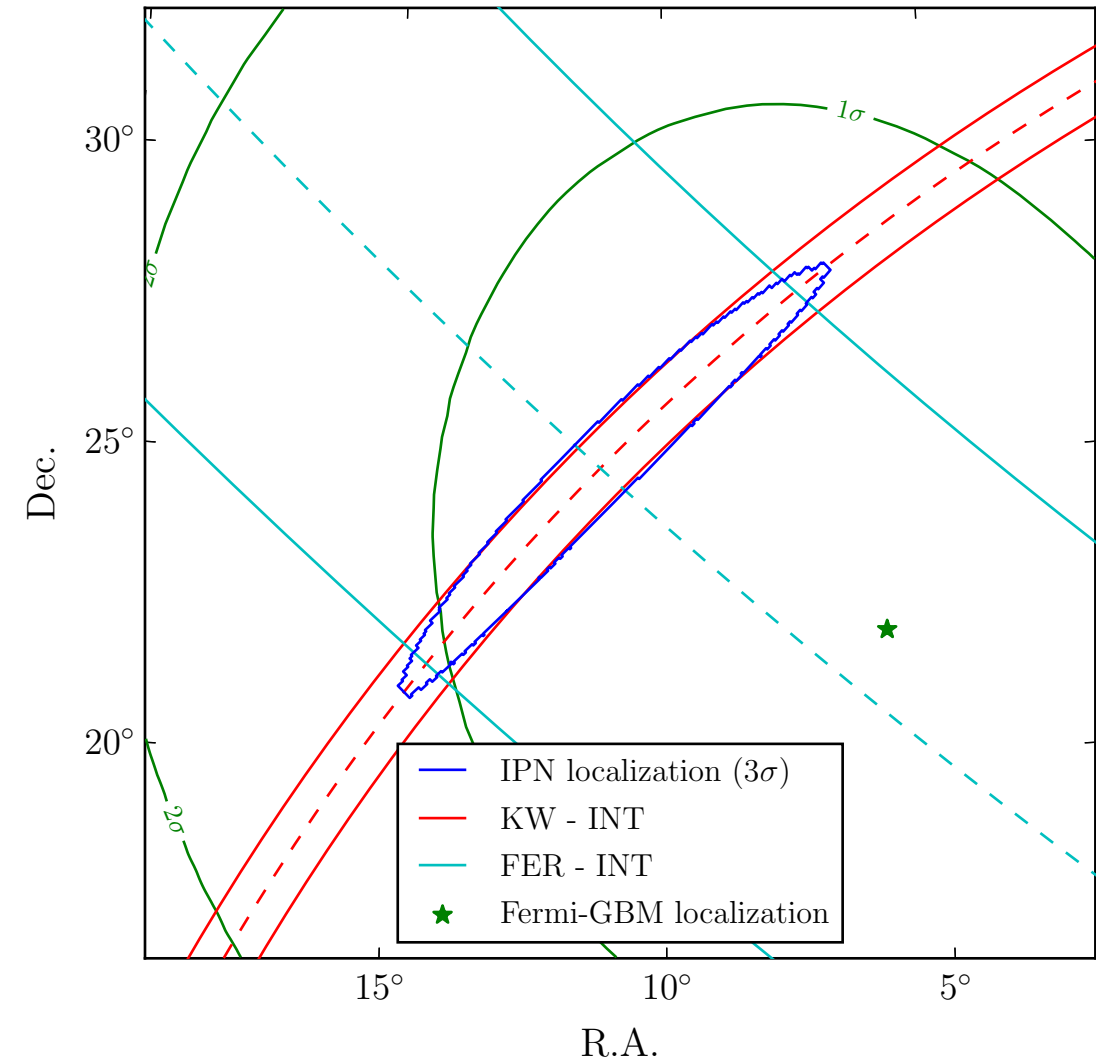
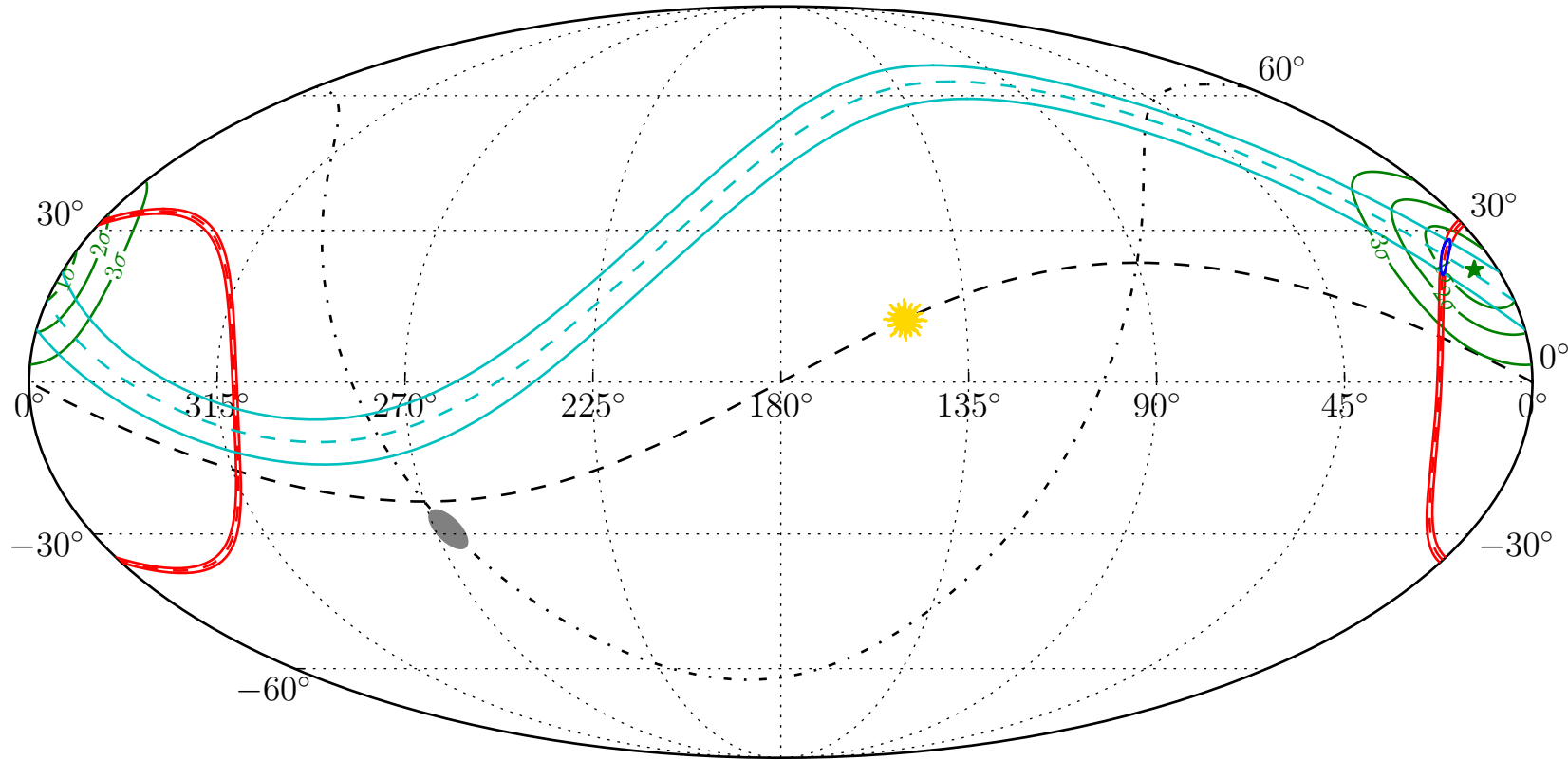
# GRB160806A (2016-08-06 $T_0=50460.639$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	239.3644	-23.3745	48.3073	0.0915
KW - FER	339.8748	-7.8366	67.6490	0.6462
KW - INT	336.8207	-3.7310	63.3936	1.1450

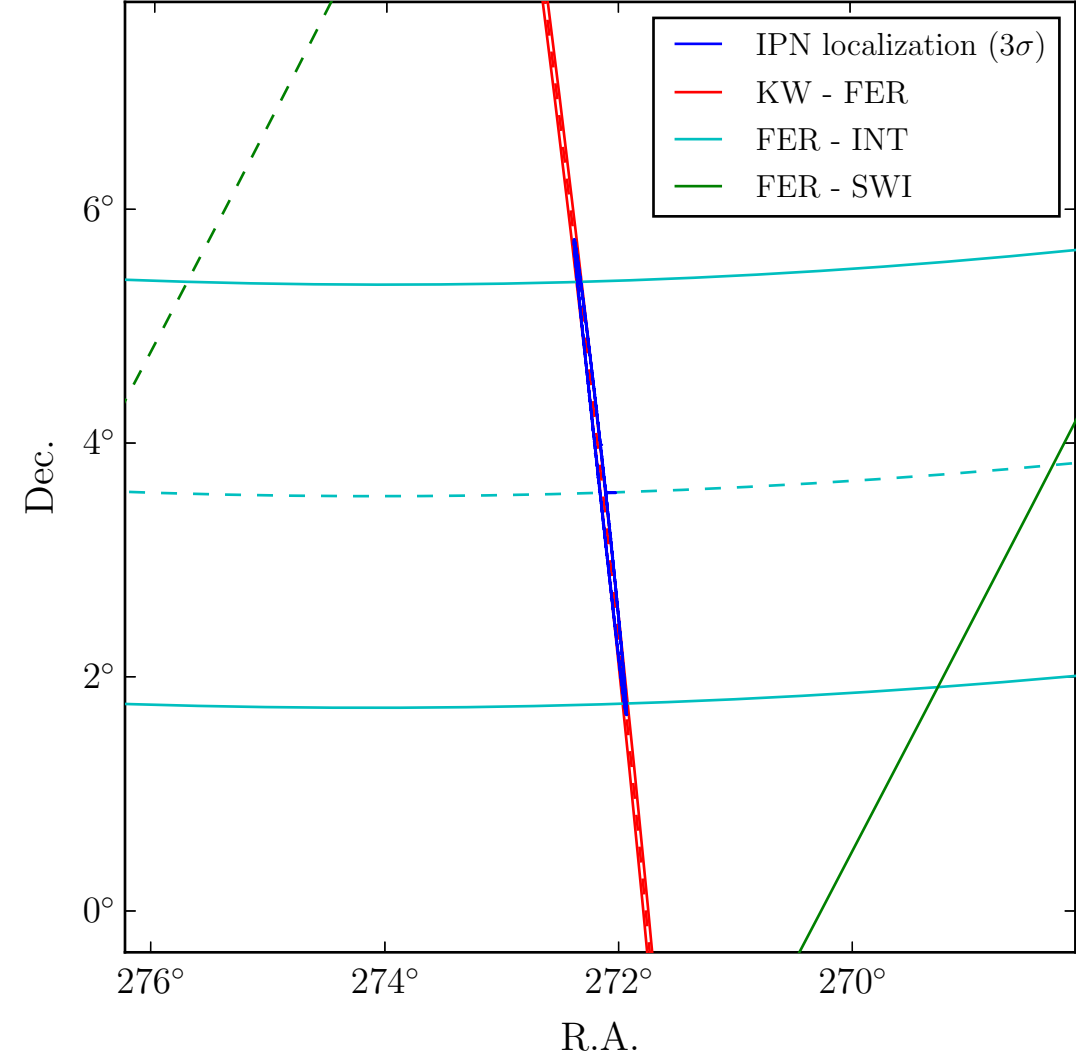
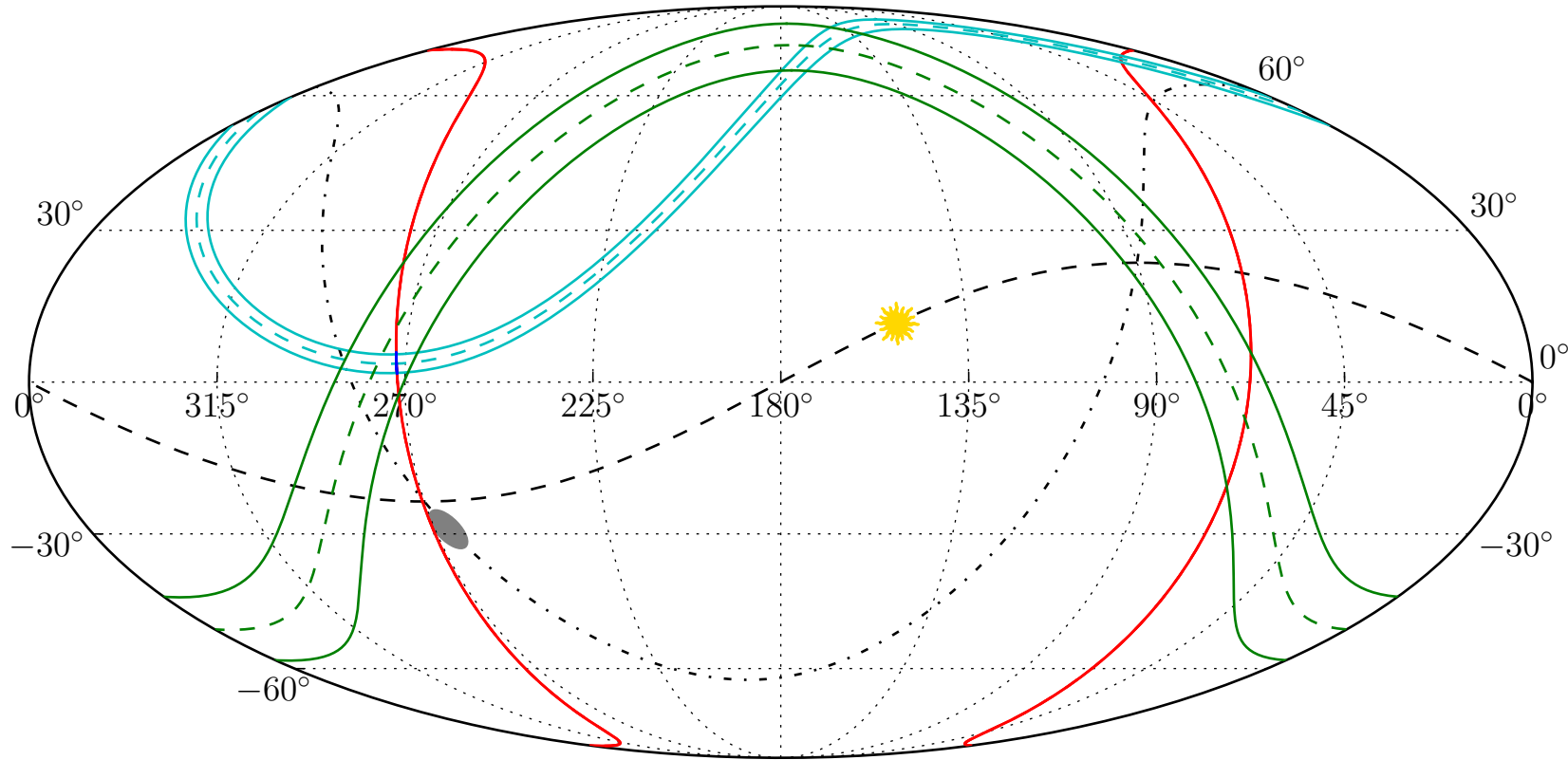
GRB160820A (2016-08-20  $T_0=42855.115$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	346.5284	-1.8646	35.8134	0.5056
FER - INT	292.1566	52.3464	64.0409	4.3957

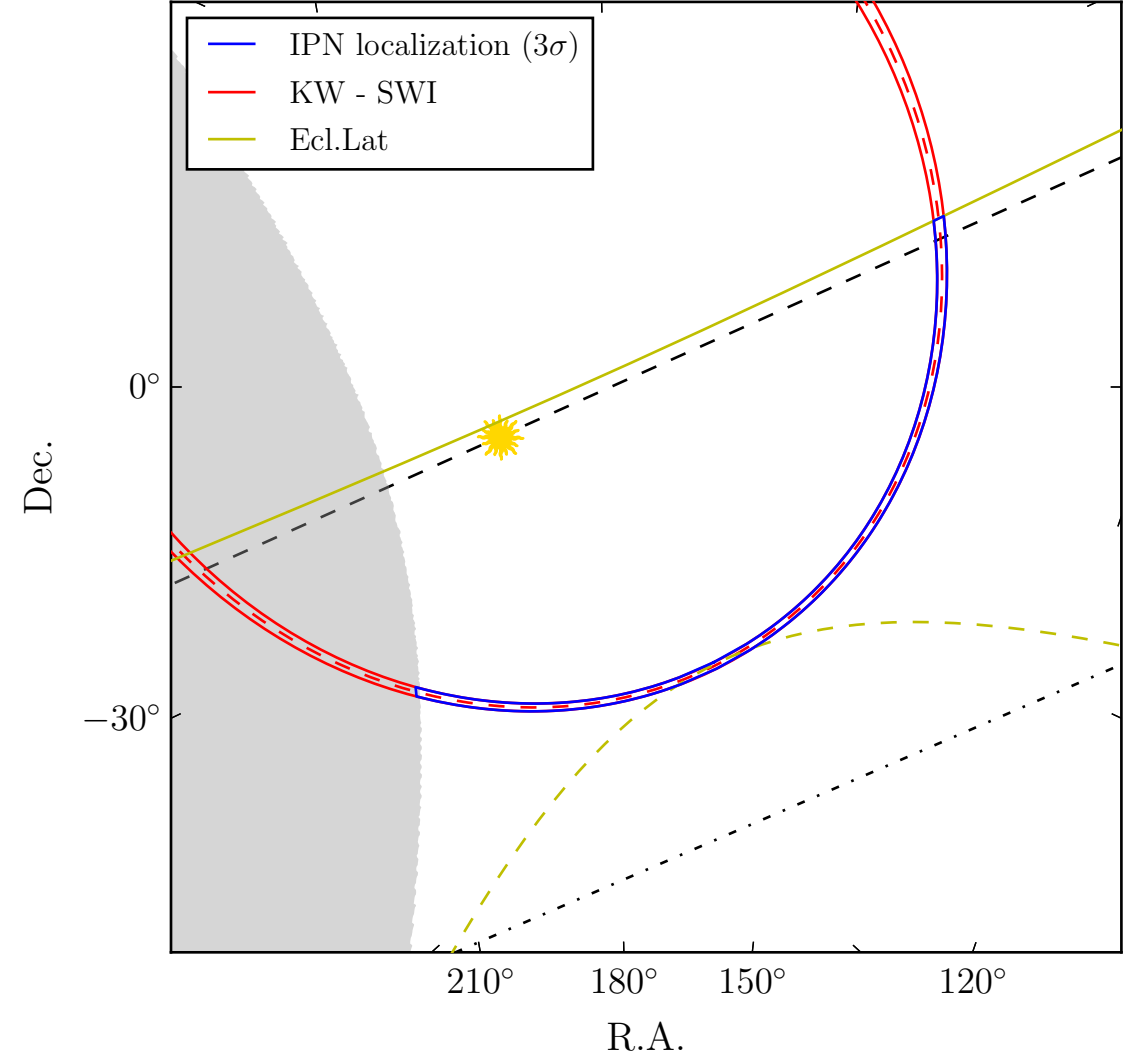
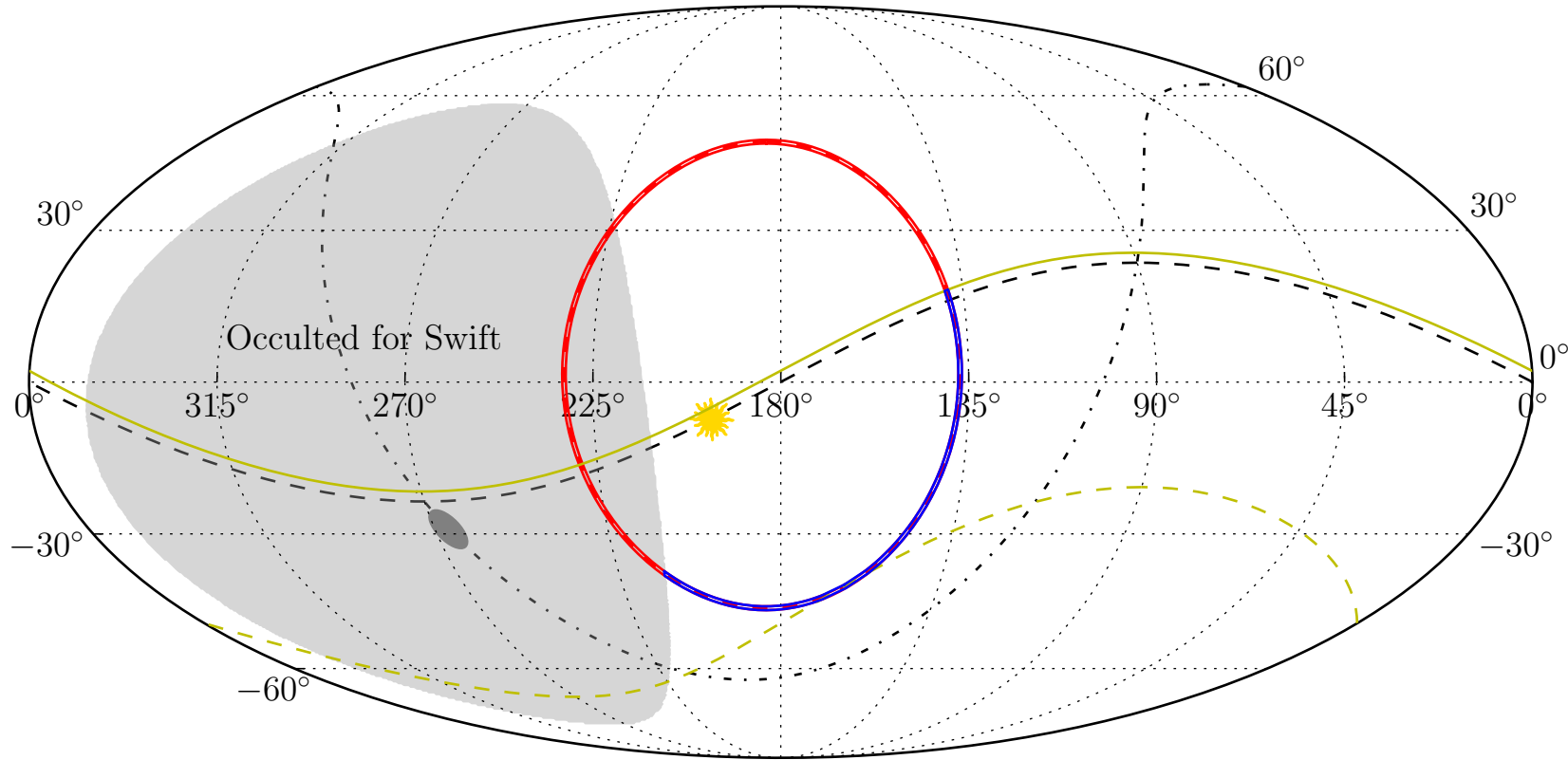
# GRB160822A (2016-08-22 $T_0=58061.153$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	349.7065	-5.3419	77.9928	0.0213
FER - INT	274.2064	51.2578	47.7060	1.8138
FER - SWI	355.4230	27.6860	78.4039	7.3082

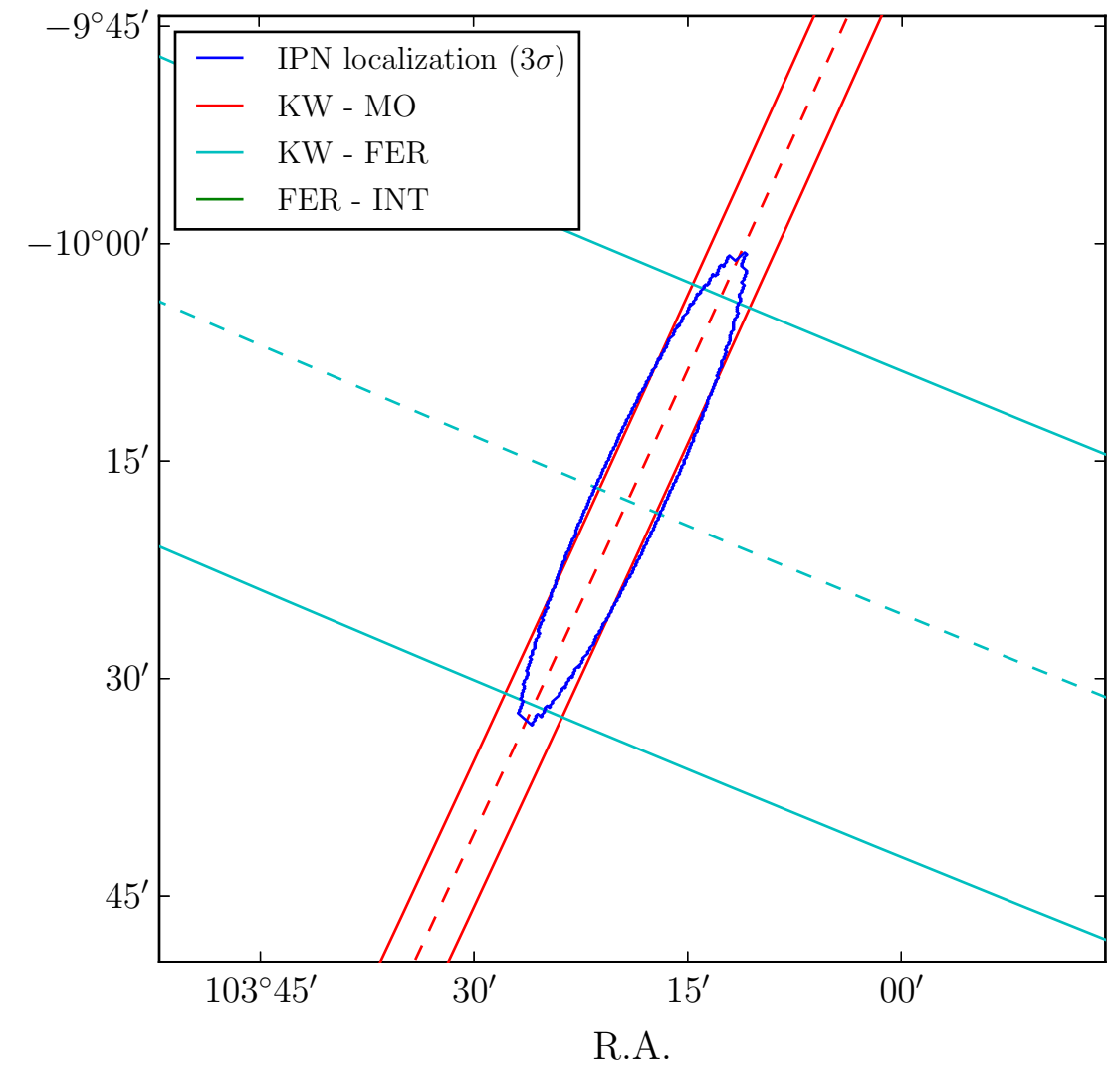
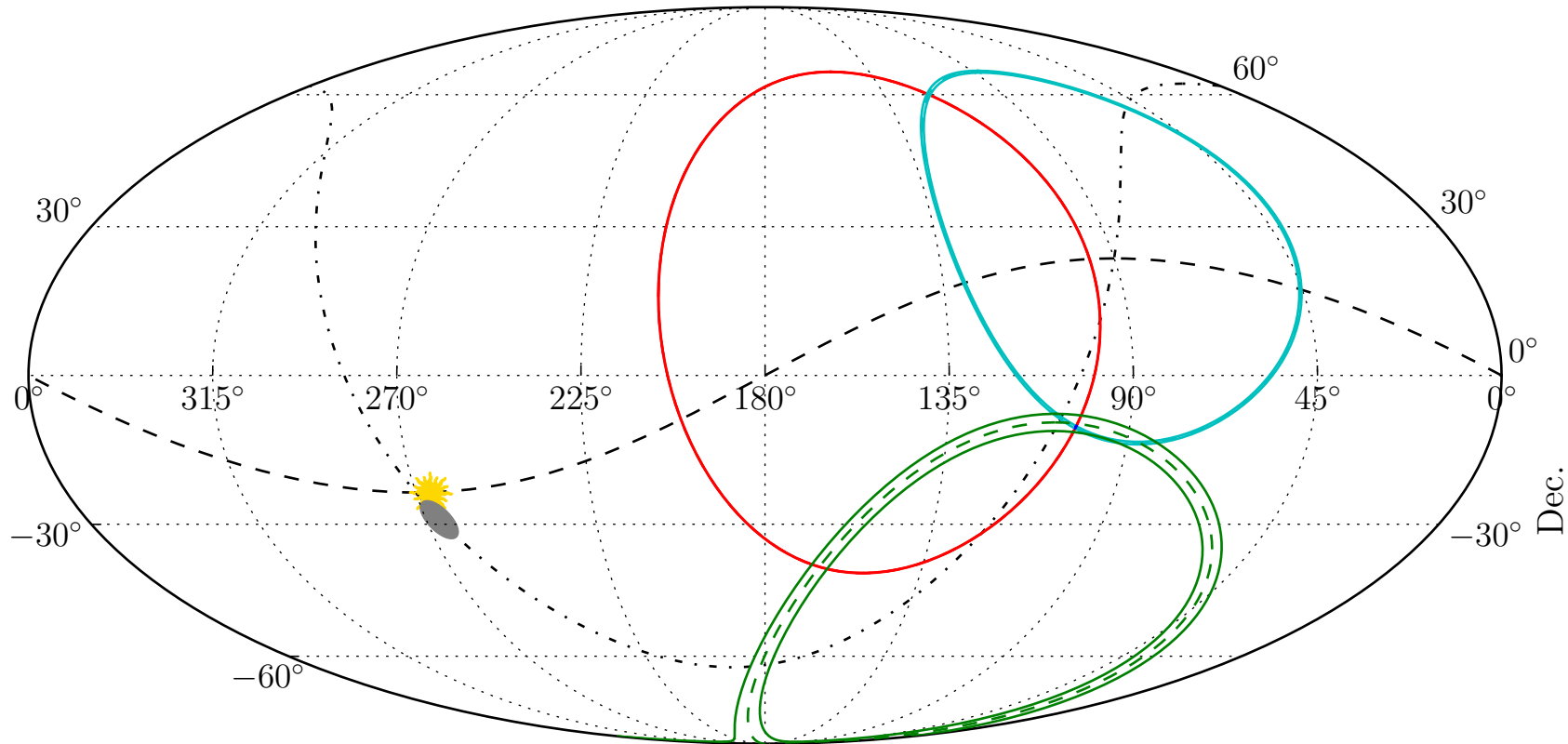
GRB20161011\_T18824 (2016-10-11 T<sub>0</sub>=18824.426 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	184.4876	1.6071	47.4314	0.4251
Ecl.Lat	270.0000	66.5610	134.0000	46.0000

GRB20161218\_T19166 (2016-12-18  $T_0=19166.402$  s, UT)

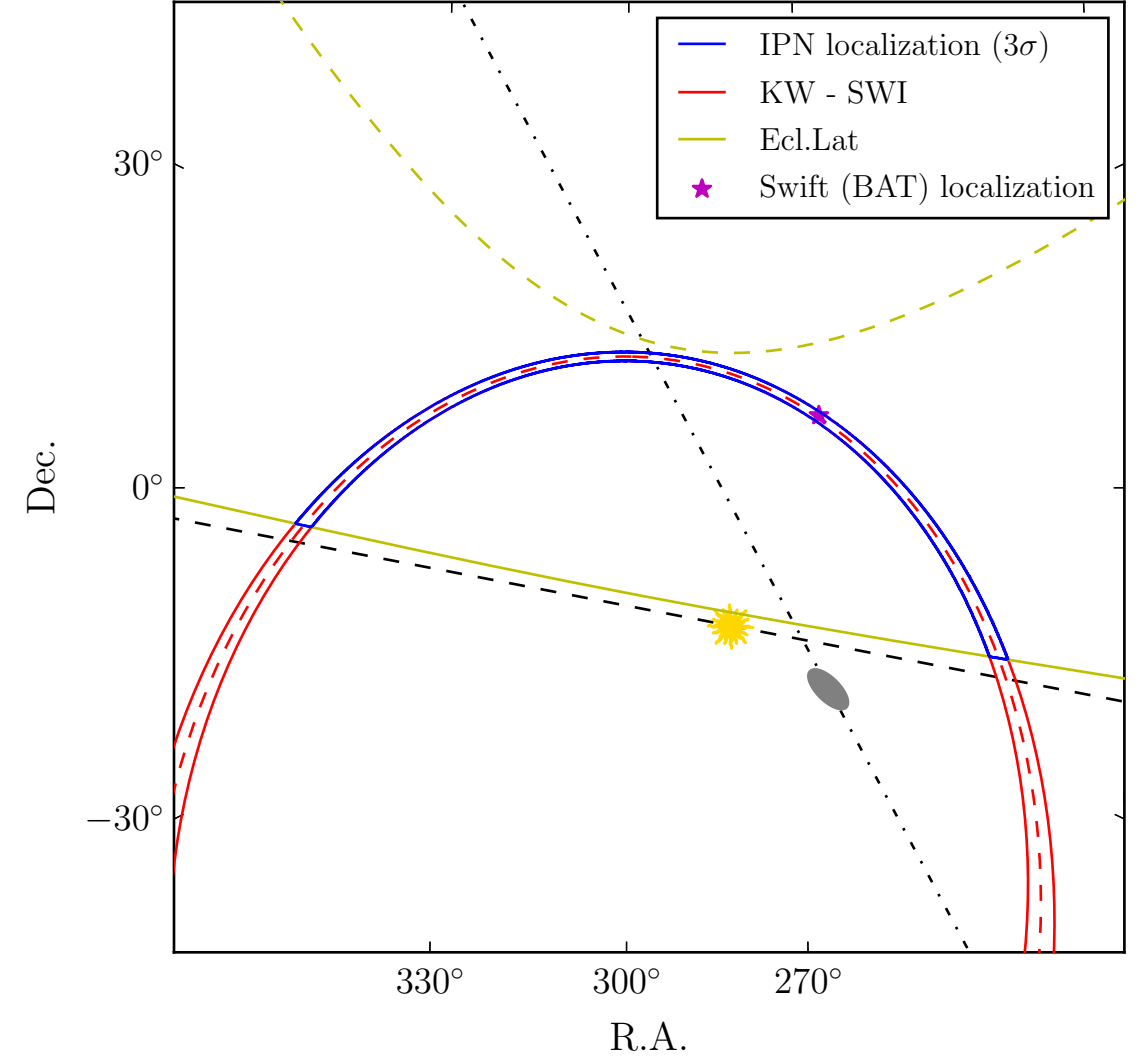
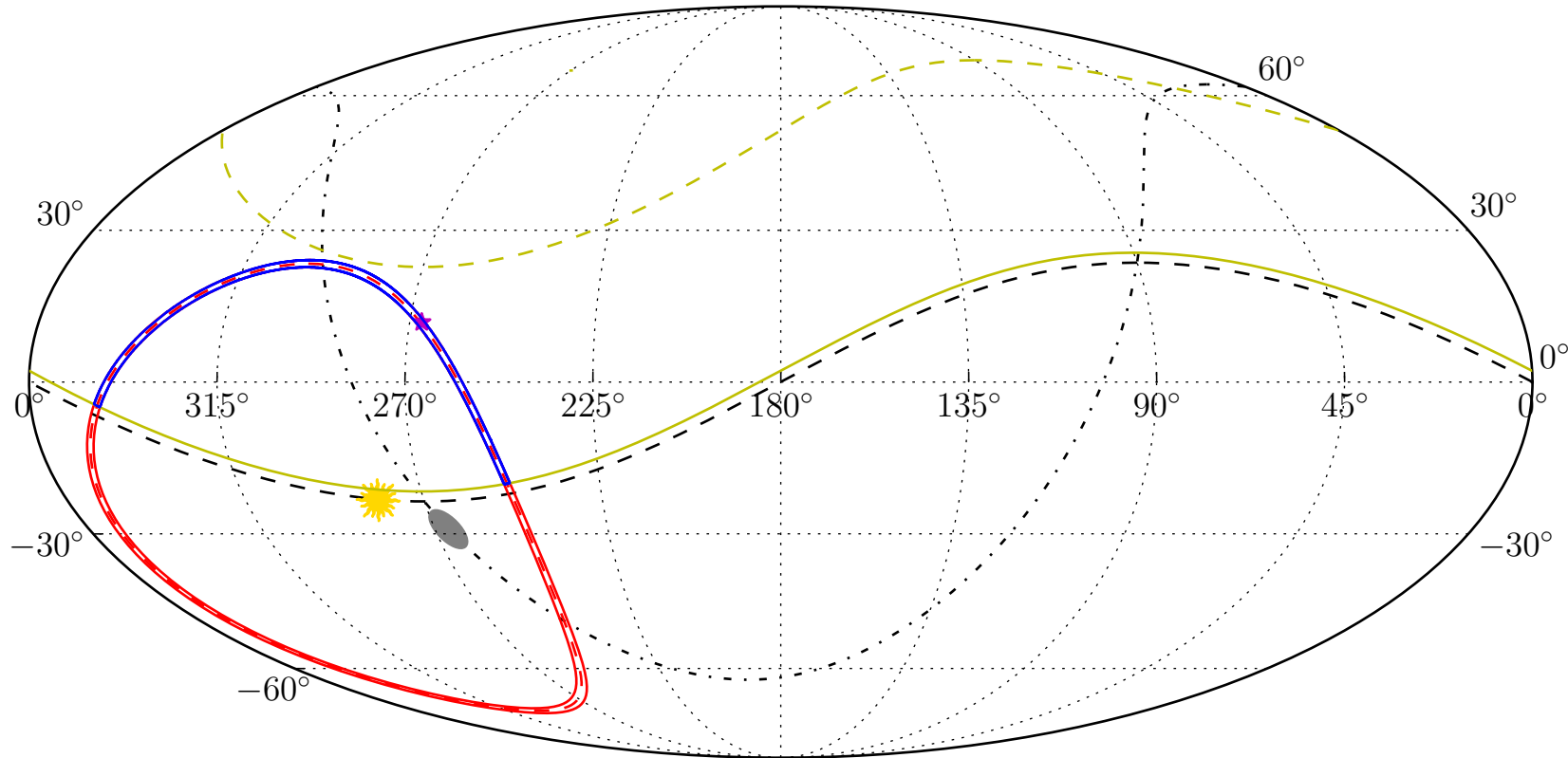


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	151.6591	12.8063	53.2639	0.0354
KW - FER	87.3305	26.3297	39.7867	0.2586
FER - INT	108.5528	-49.6591	40.3442	1.7096



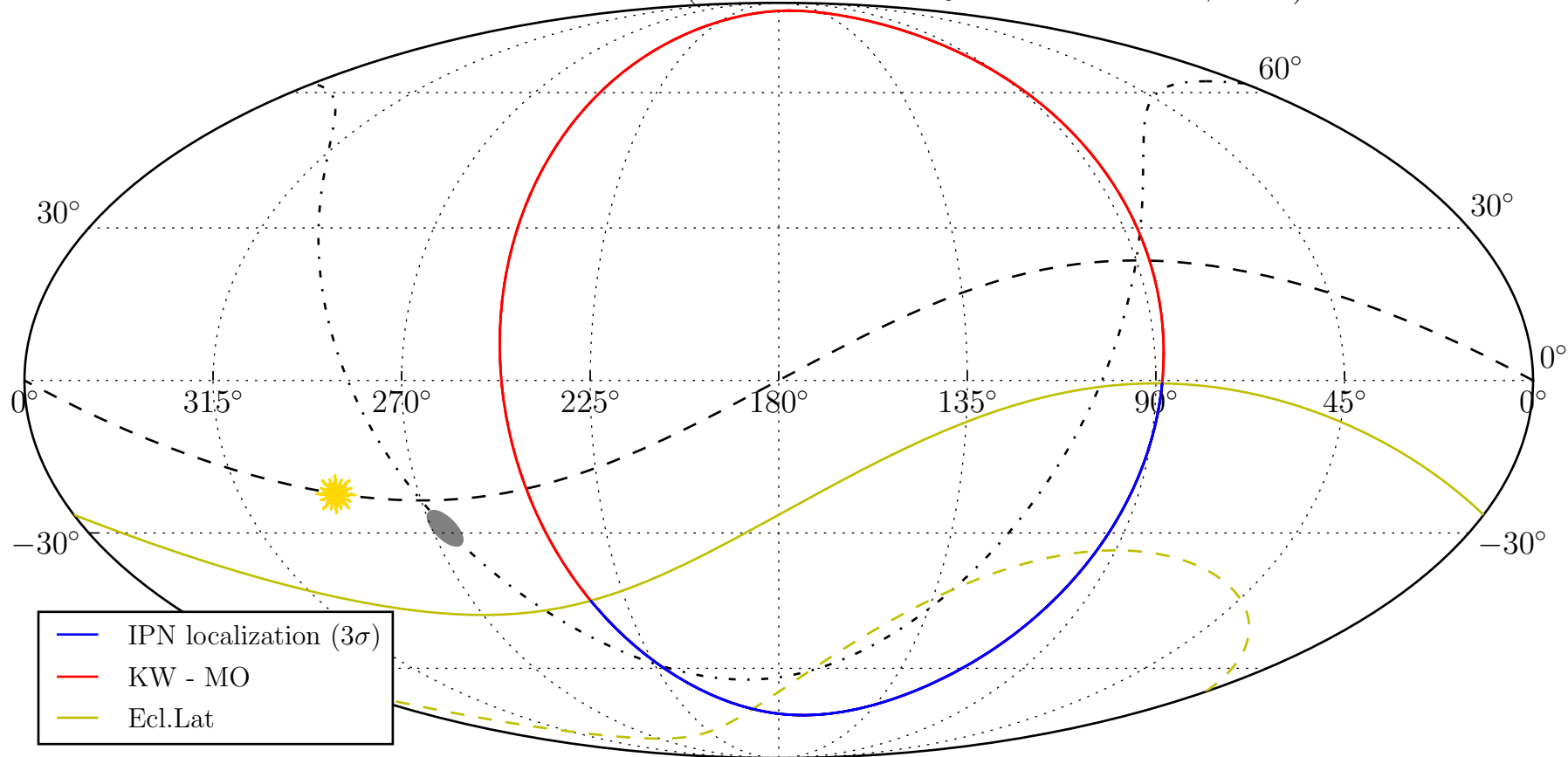
# GRB170101A (2017-01-01 T<sub>0</sub>=8757.802 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	299.1933	-24.0981	47.3289	0.7161
Ecl.Lat	270.0000	66.5610	44.0000	44.0000

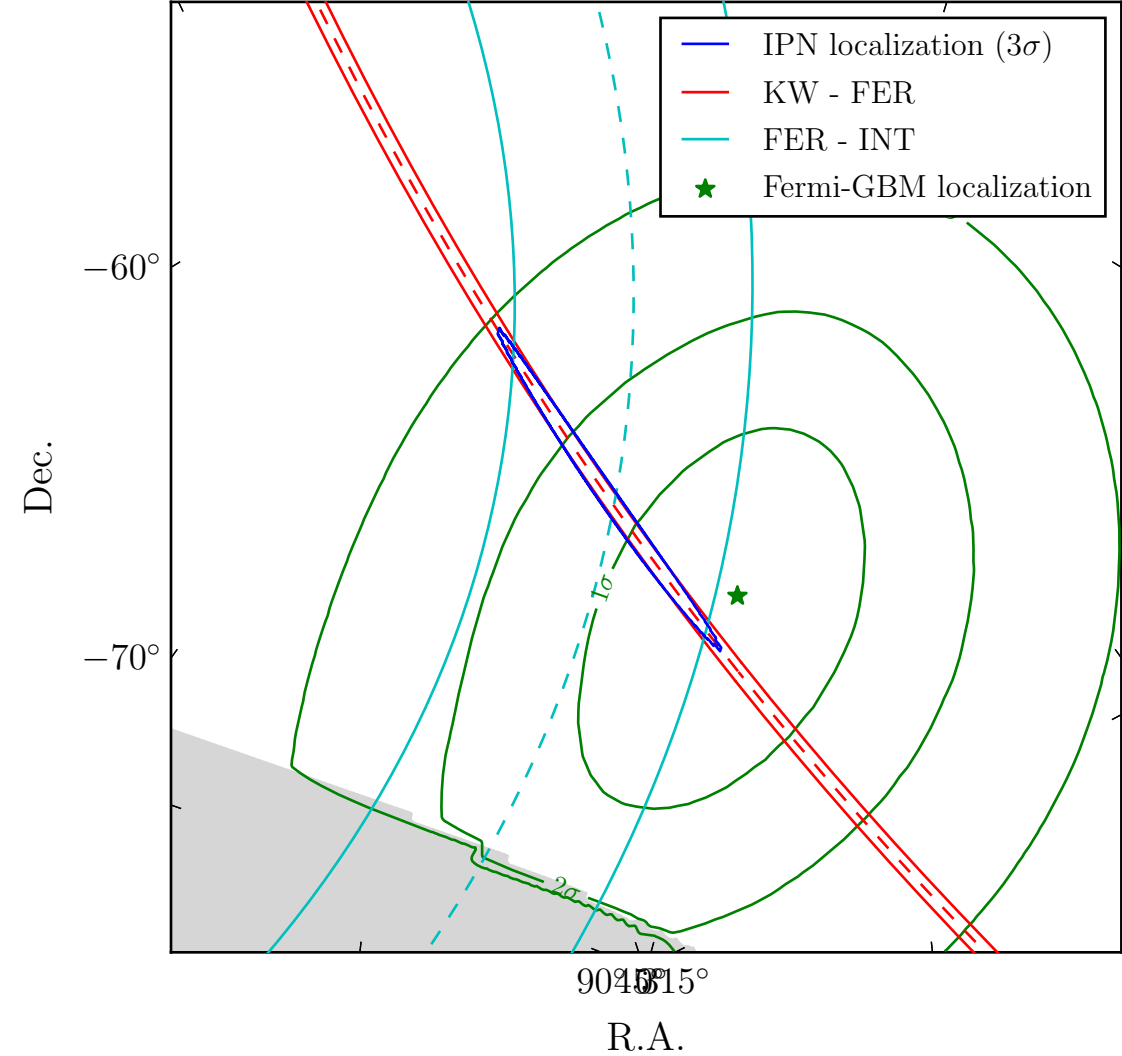
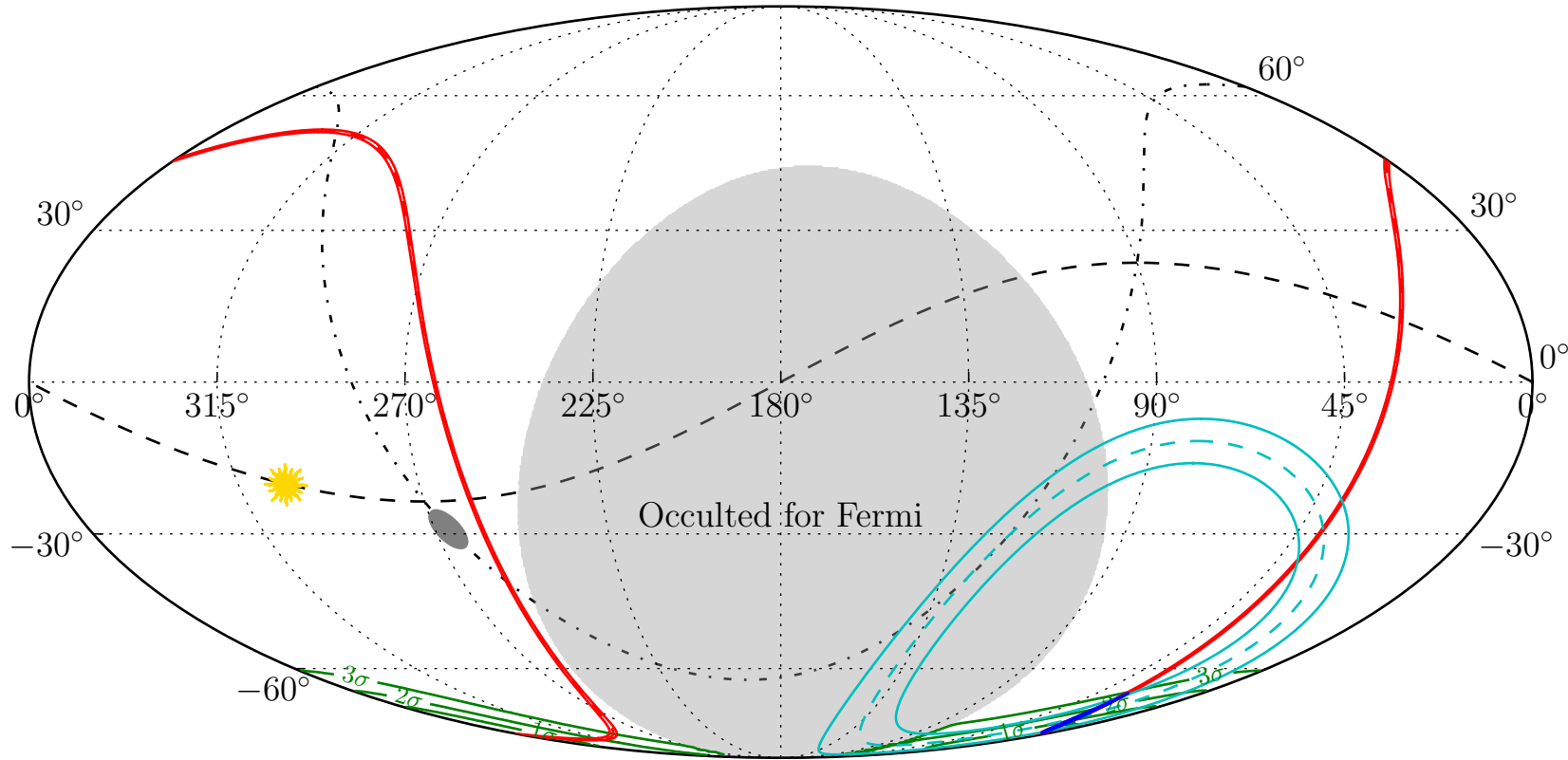
# GRB20170109\_T47357 (2017-01-09 T<sub>0</sub>=47357.909 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	167.3172	6.2197	78.9469	0.0261
Ecl.Lat	270.0000	66.5610	147.0000	33.0000

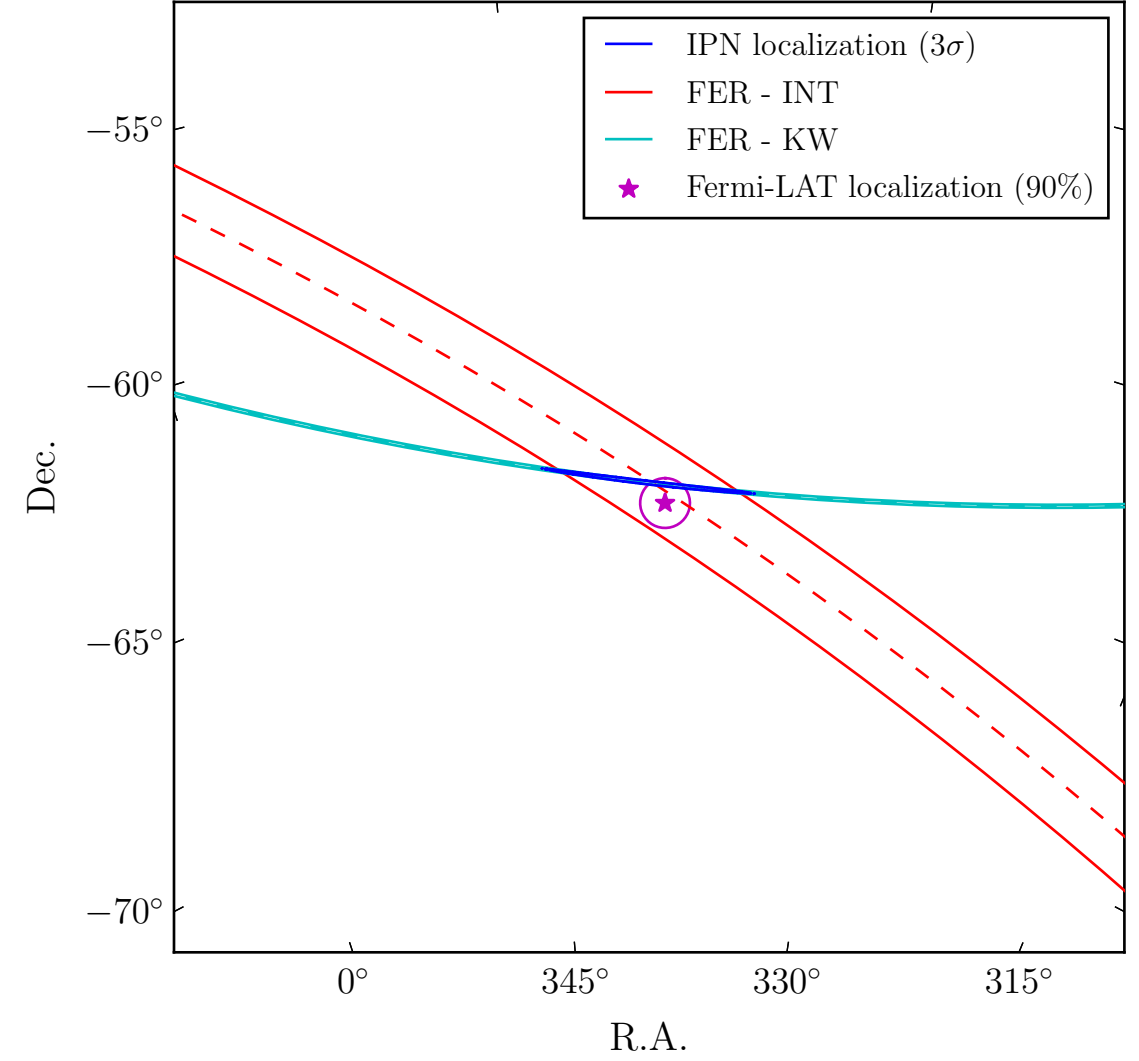
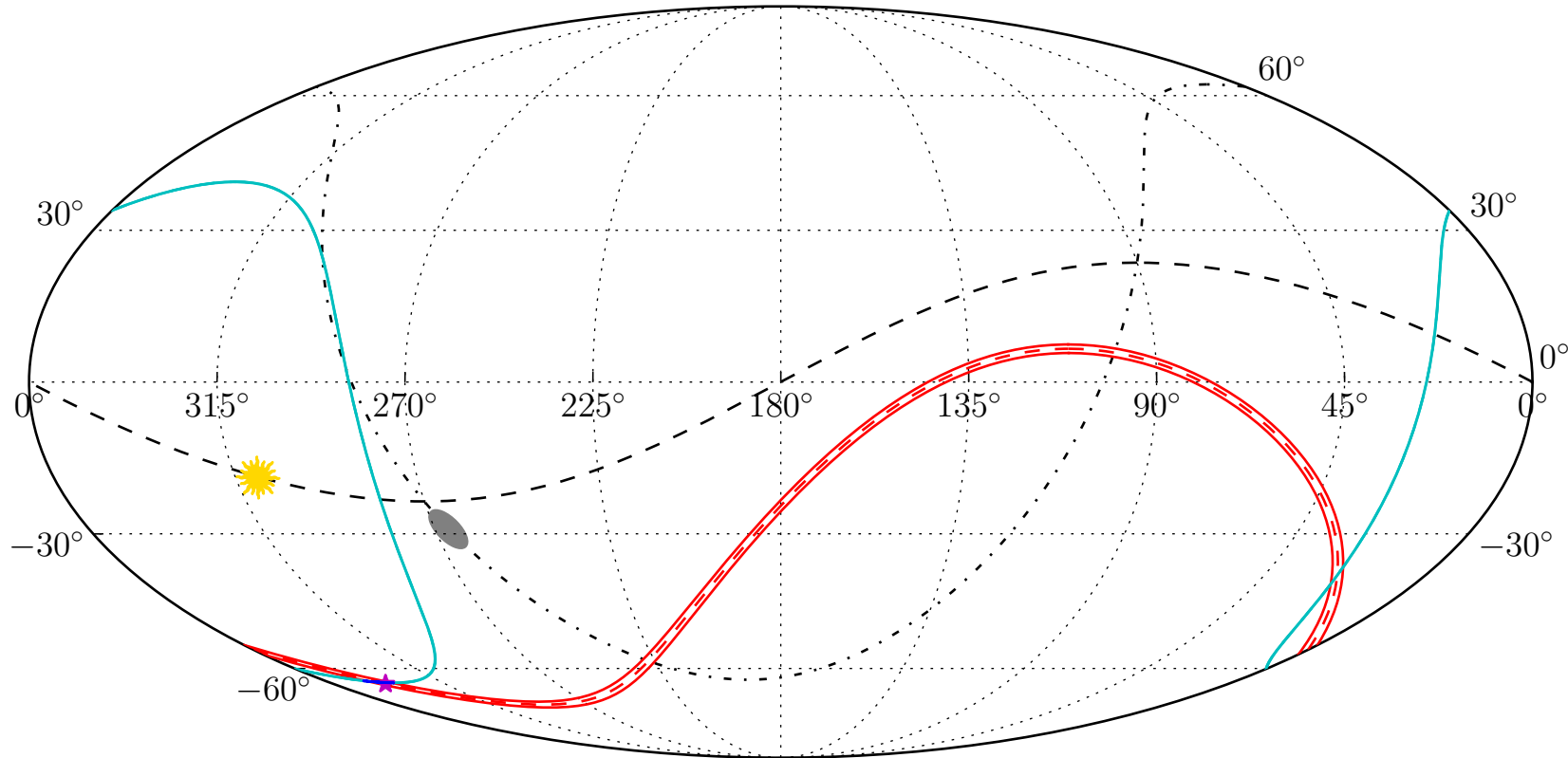
# GRB170121A (2017-01-21 T<sub>0</sub>=5812.788 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	328.2778	-14.6440	66.1767	0.2945
FER - INT	78.8737	-47.3032	35.8357	4.3418

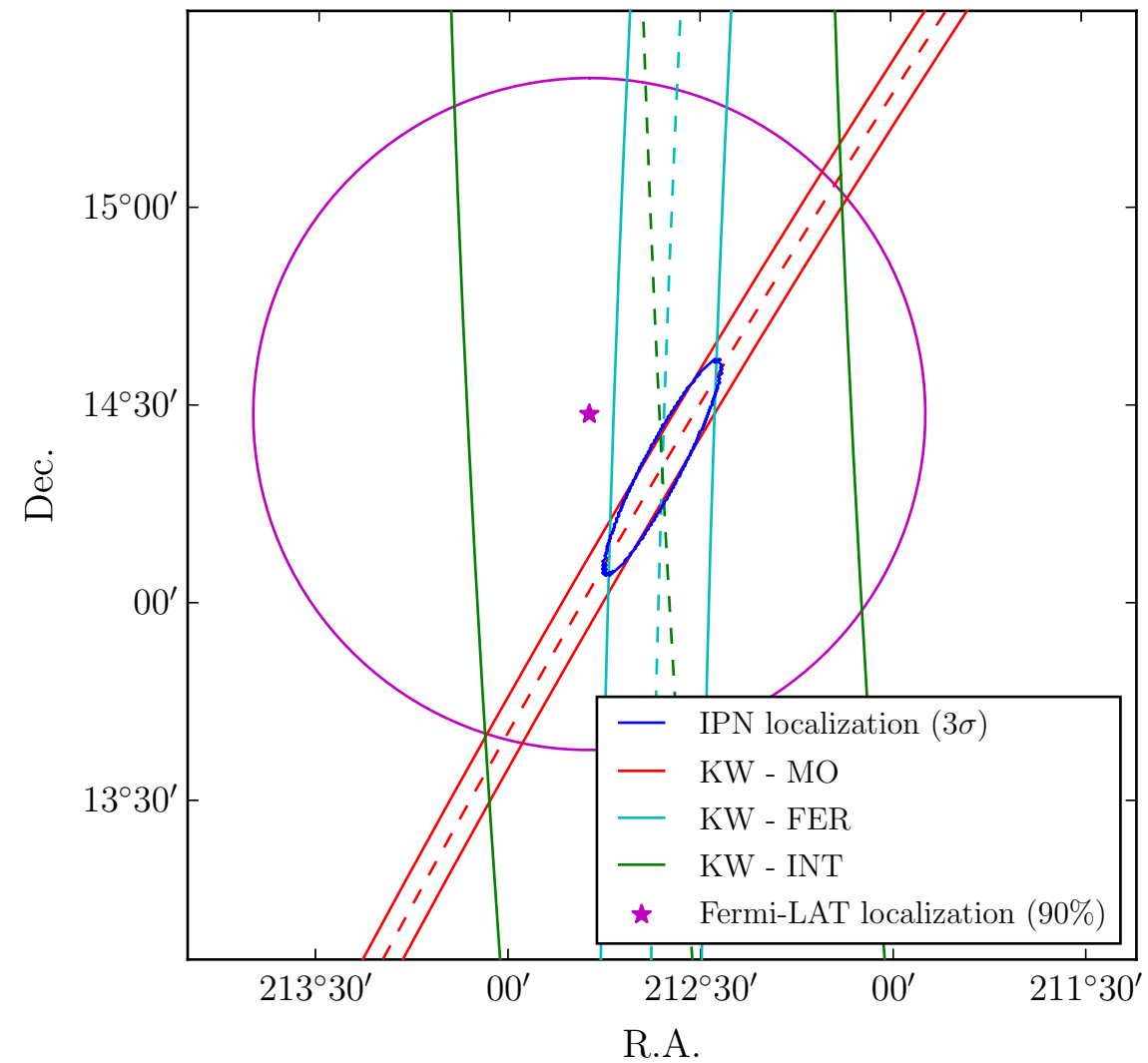
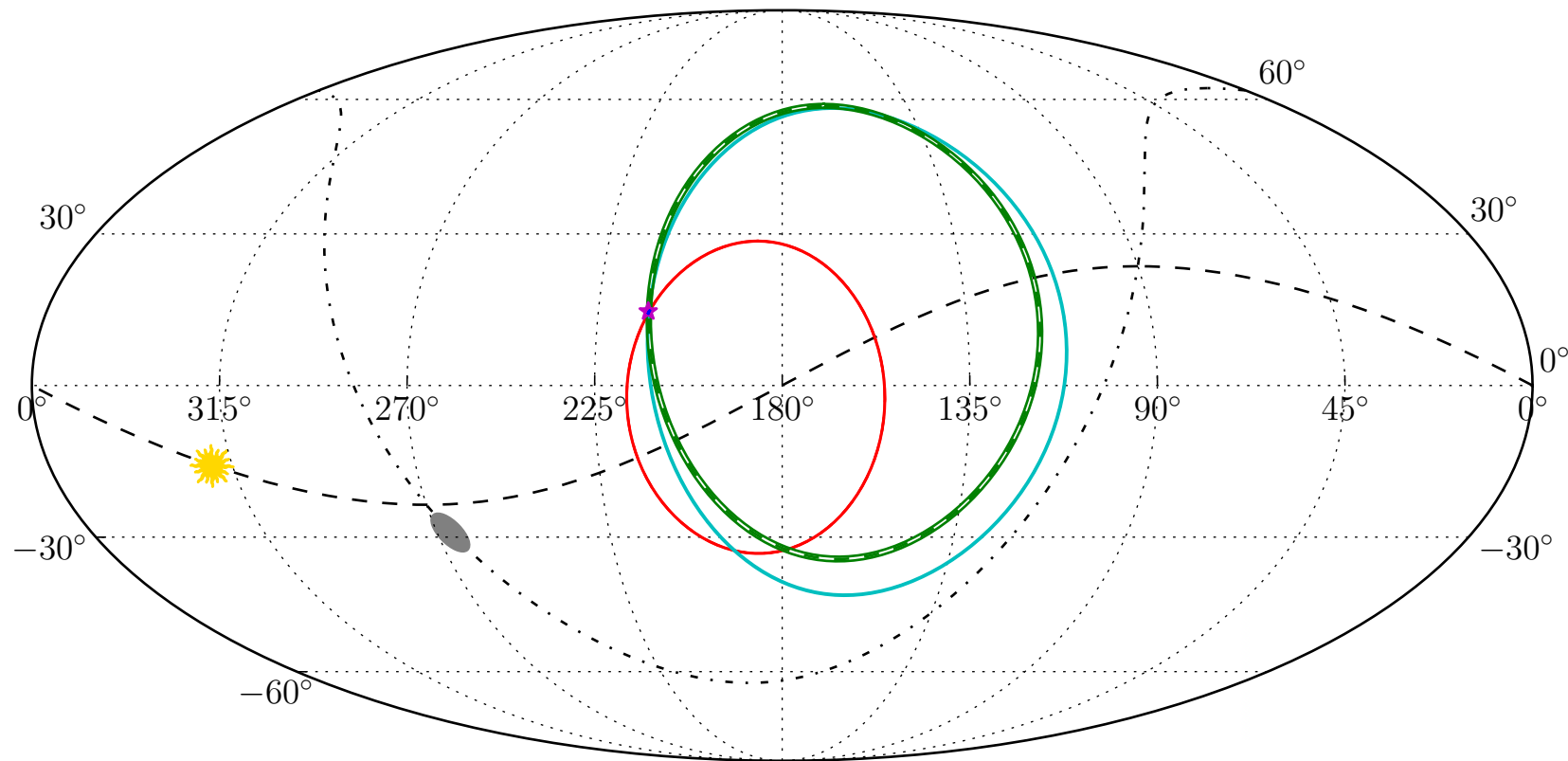
# GRB170127C (2017-01-27 $T_0=5744.660$ s, UT)



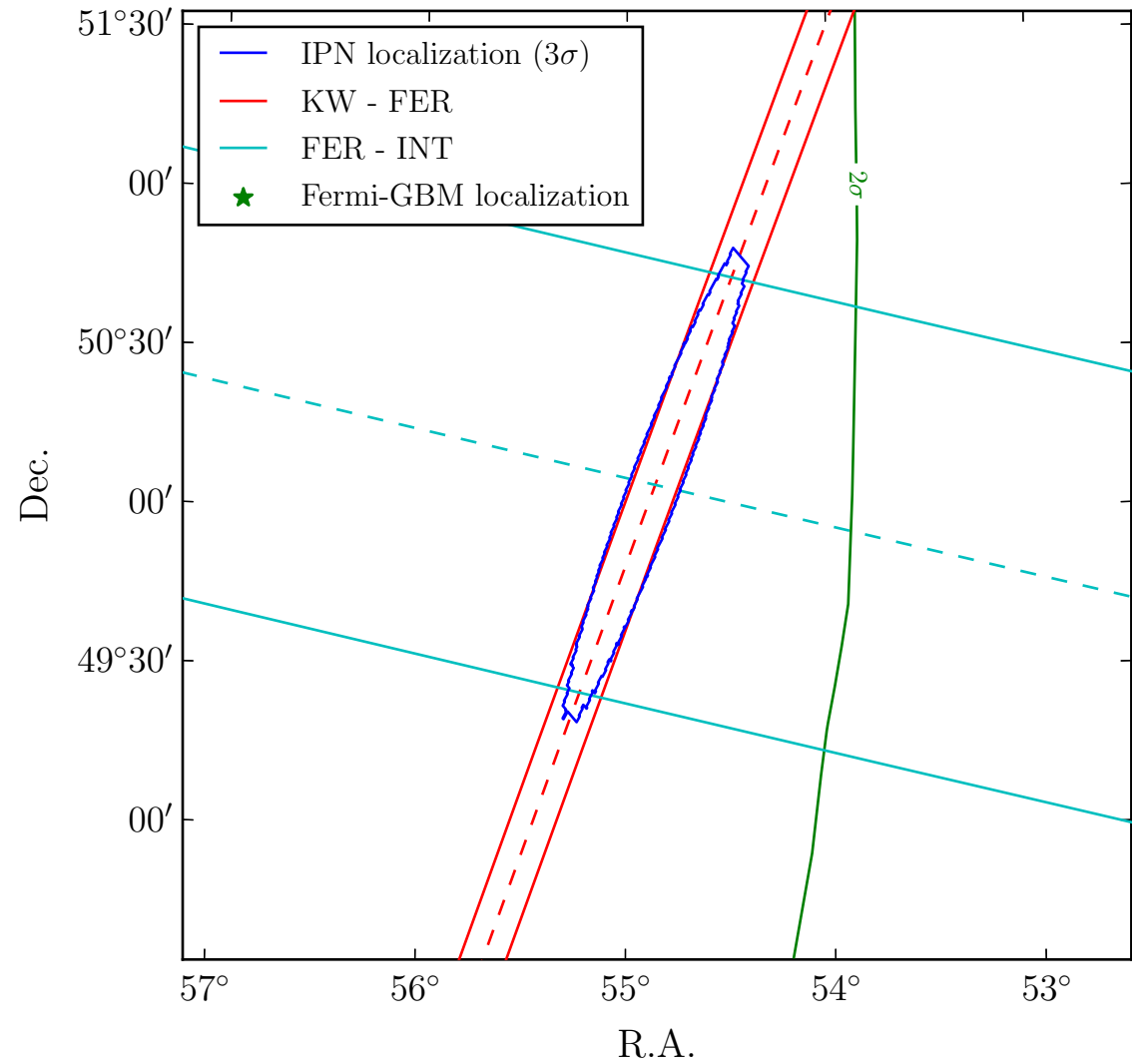
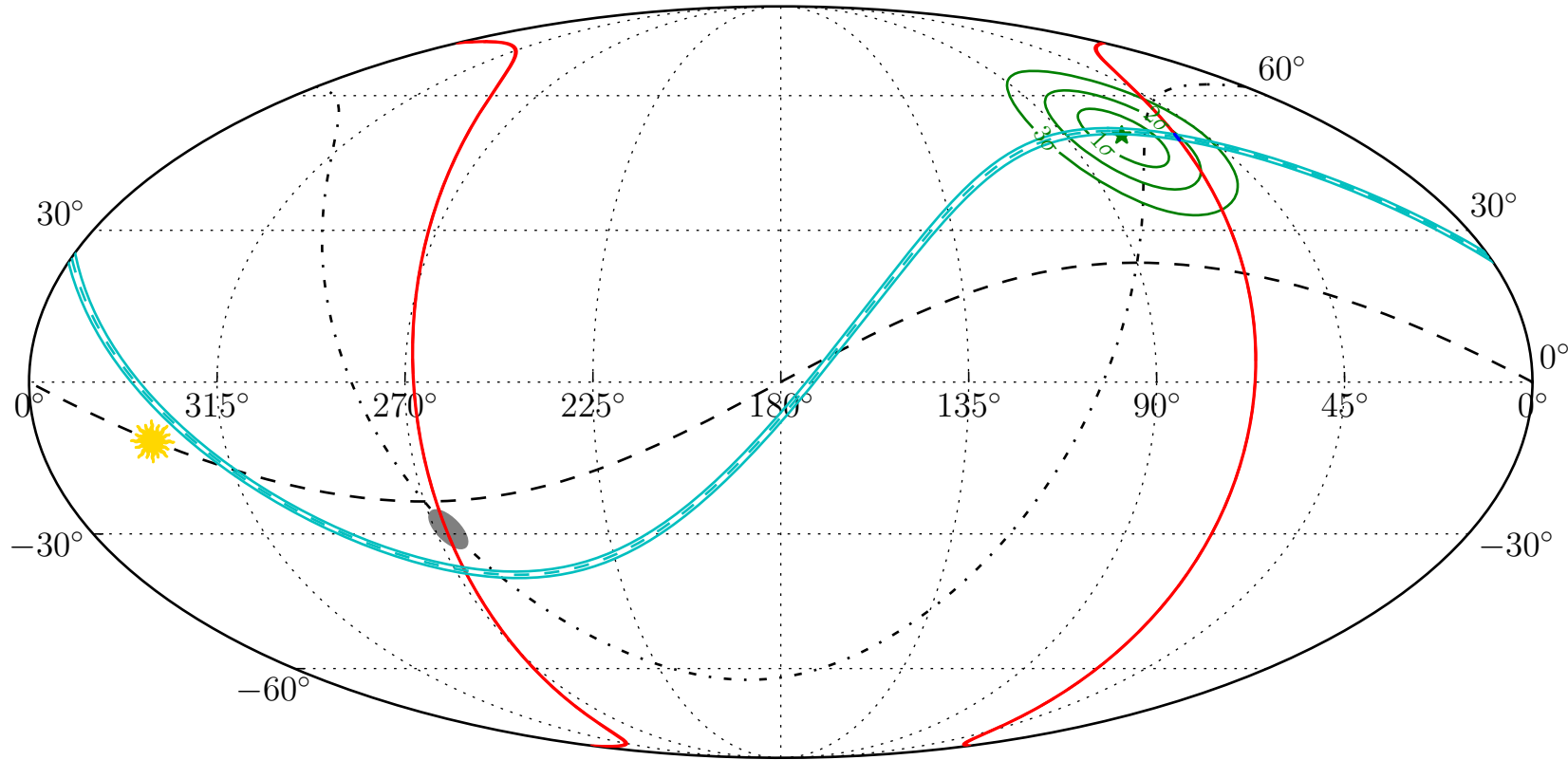
Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - INT	110.8242	-51.9360	58.4131	0.8342
FER - KW	334.4095	-11.7605	51.9251	0.0322

GRB170206A (2017-02-06  $T_0=39121.226$  s, UT)



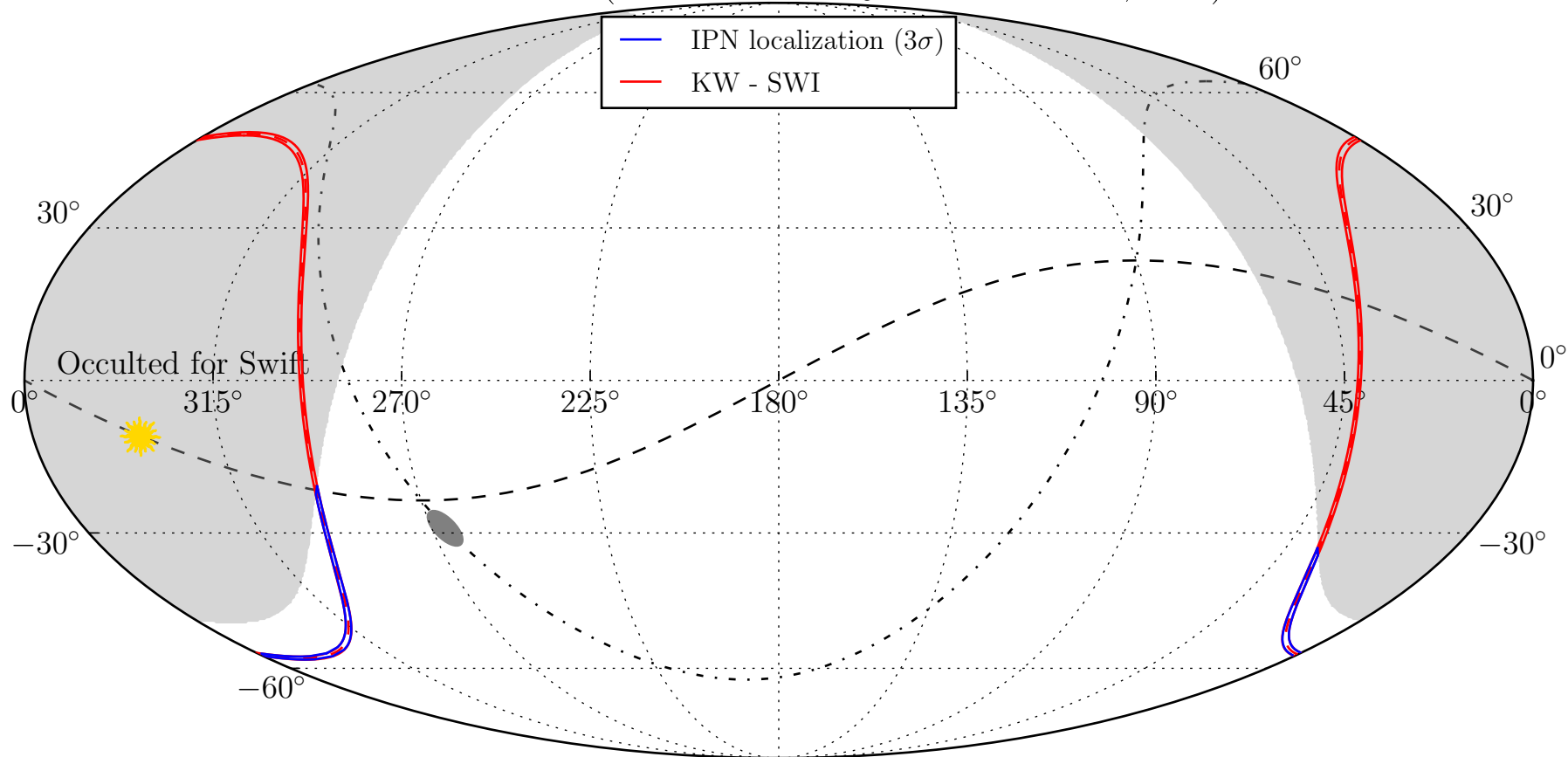
# GRB170219A (2017-02-19 T<sub>0</sub>=186.125 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	347.1773	-4.2437	79.2628	0.0695
FER - INT	253.7050	44.9853	83.5385	0.6903

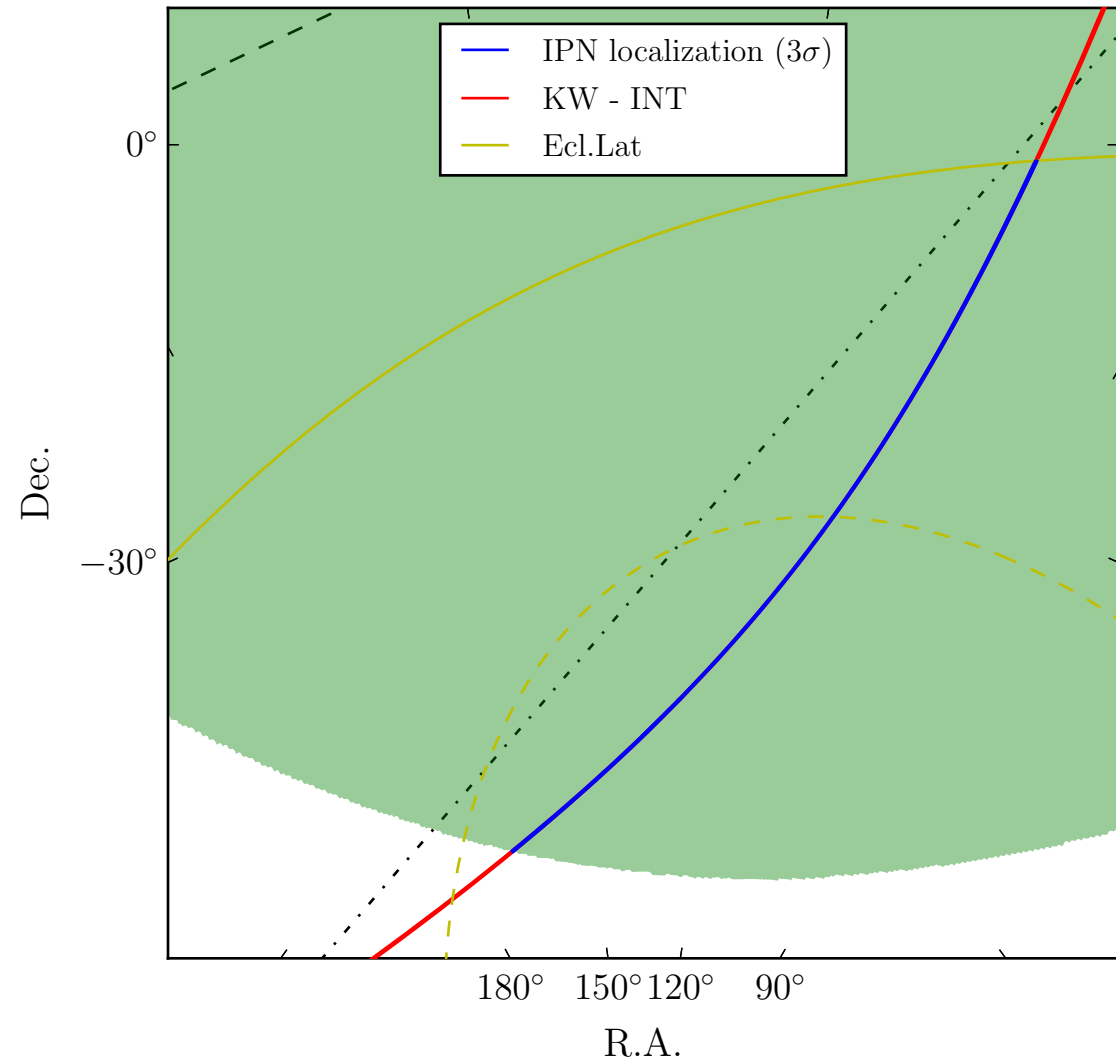
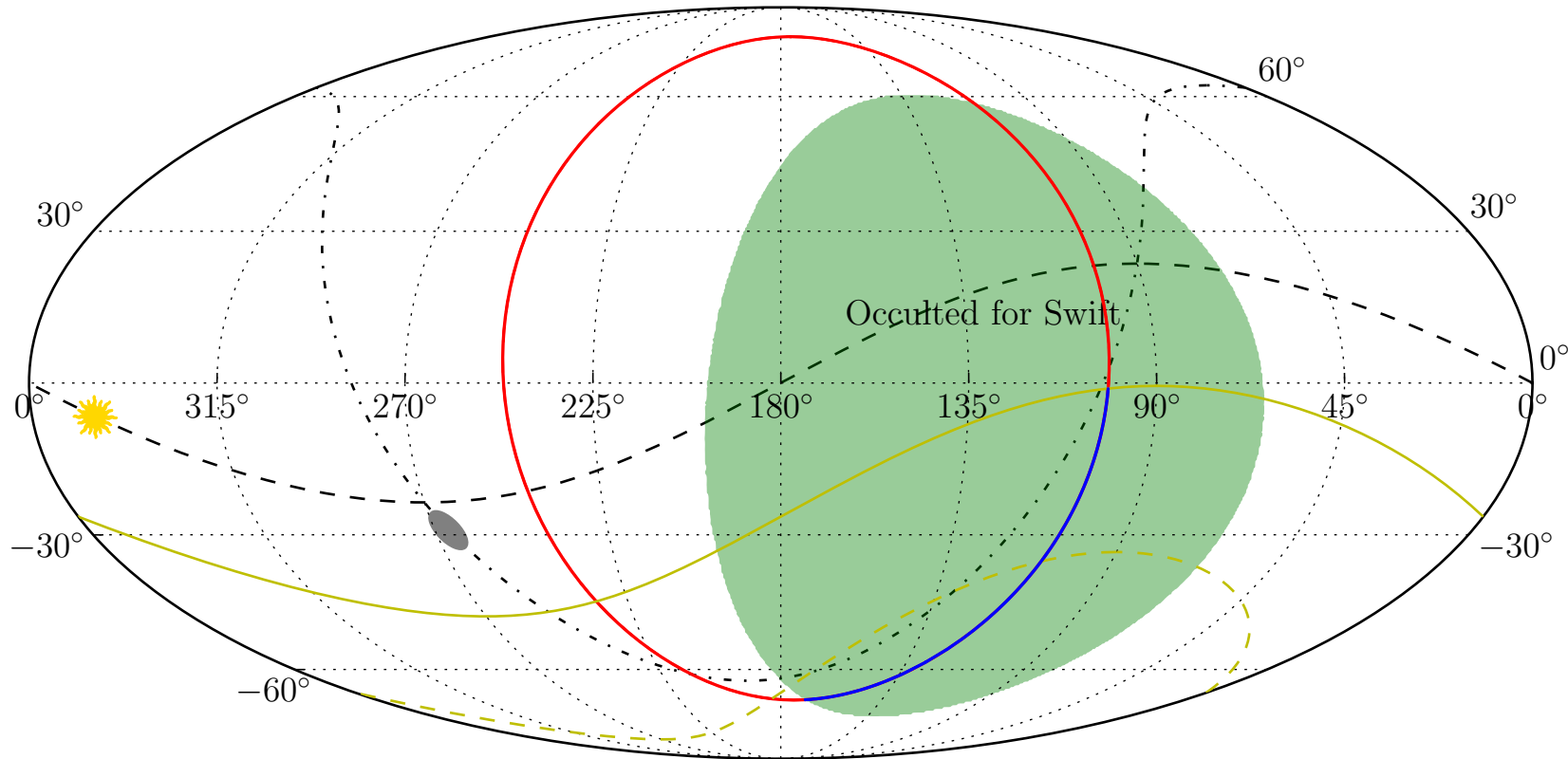
# GRB170220A (2017-02-20 $T_0=67678.467$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	347.7101	-3.6558	53.8391	0.3761

GRB20170304 T20449 (2017-03-04 T<sub>0</sub>=20449.144 s, UT)

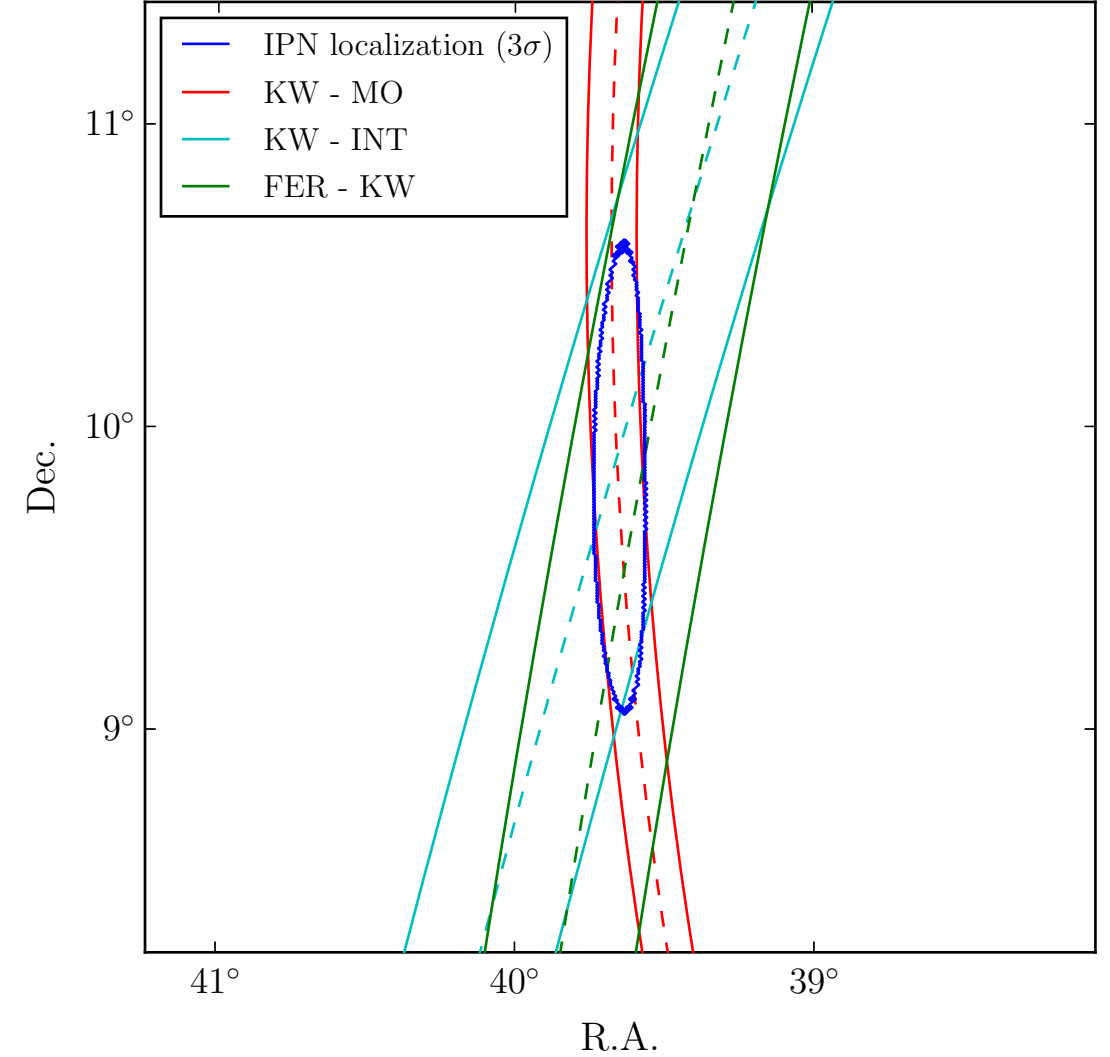
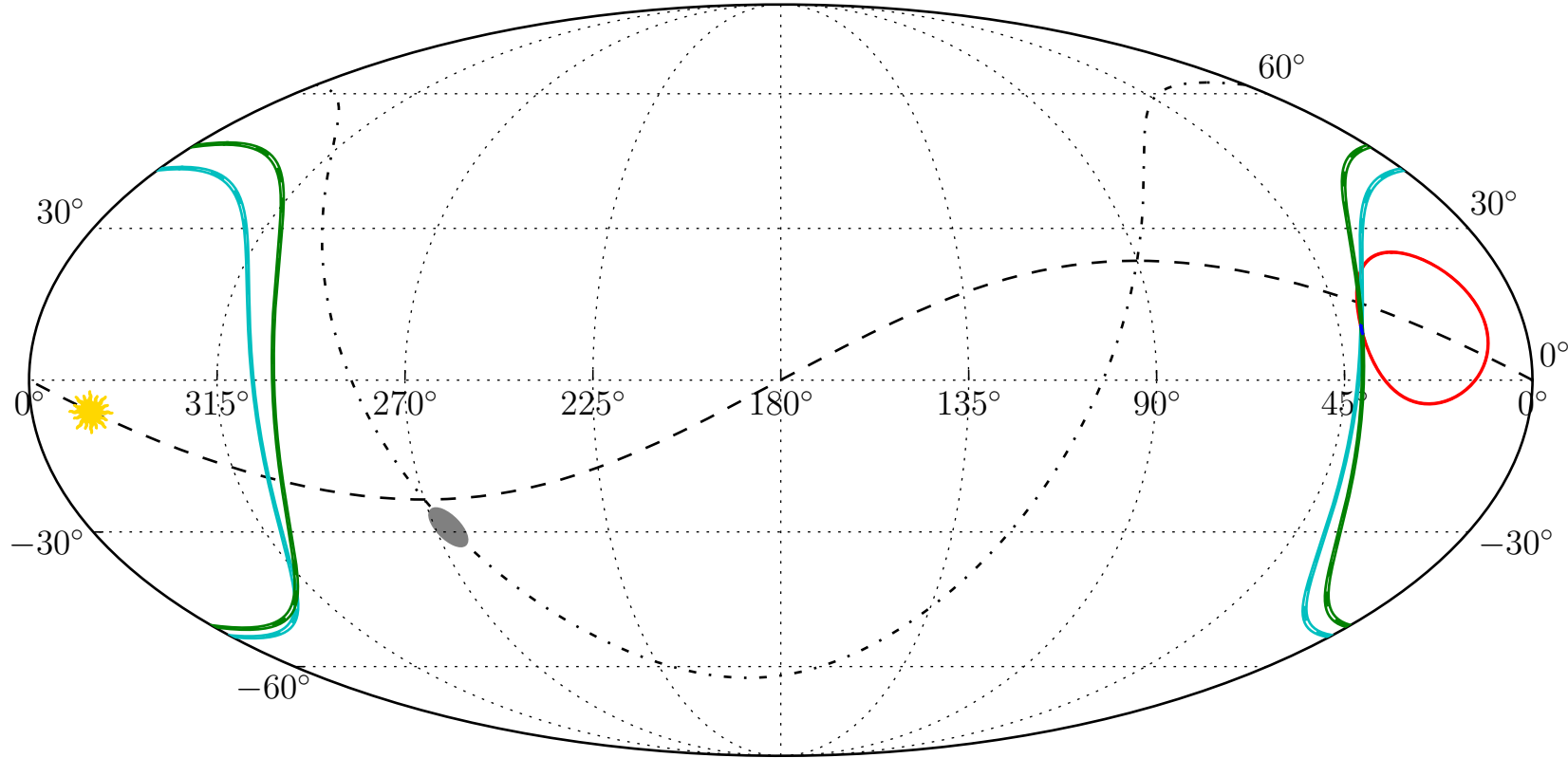


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	173.9529	4.4247	72.4995	0.0750
Ecl.Lat	270.0000	66.5610	147.0000	33.0000



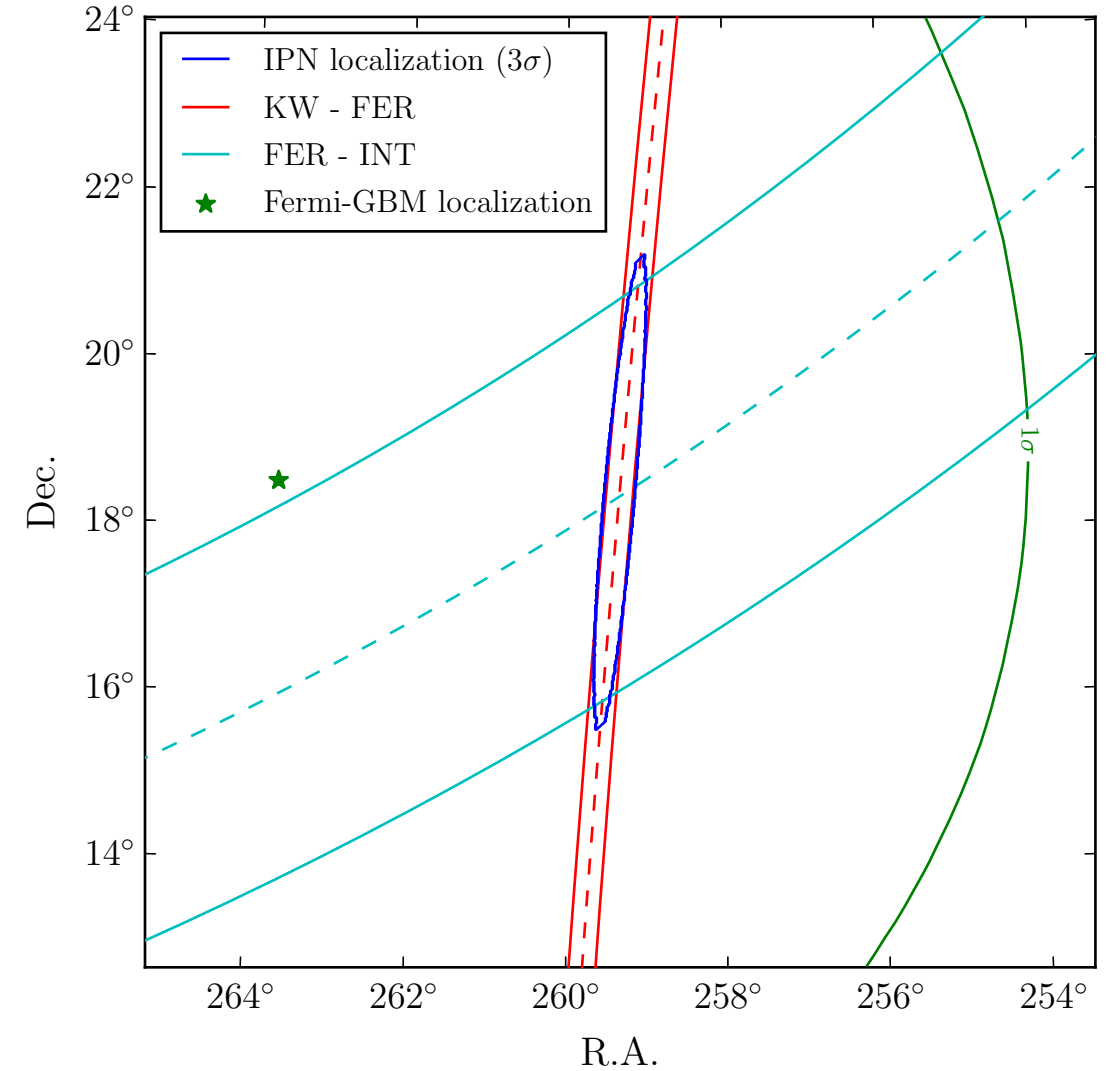
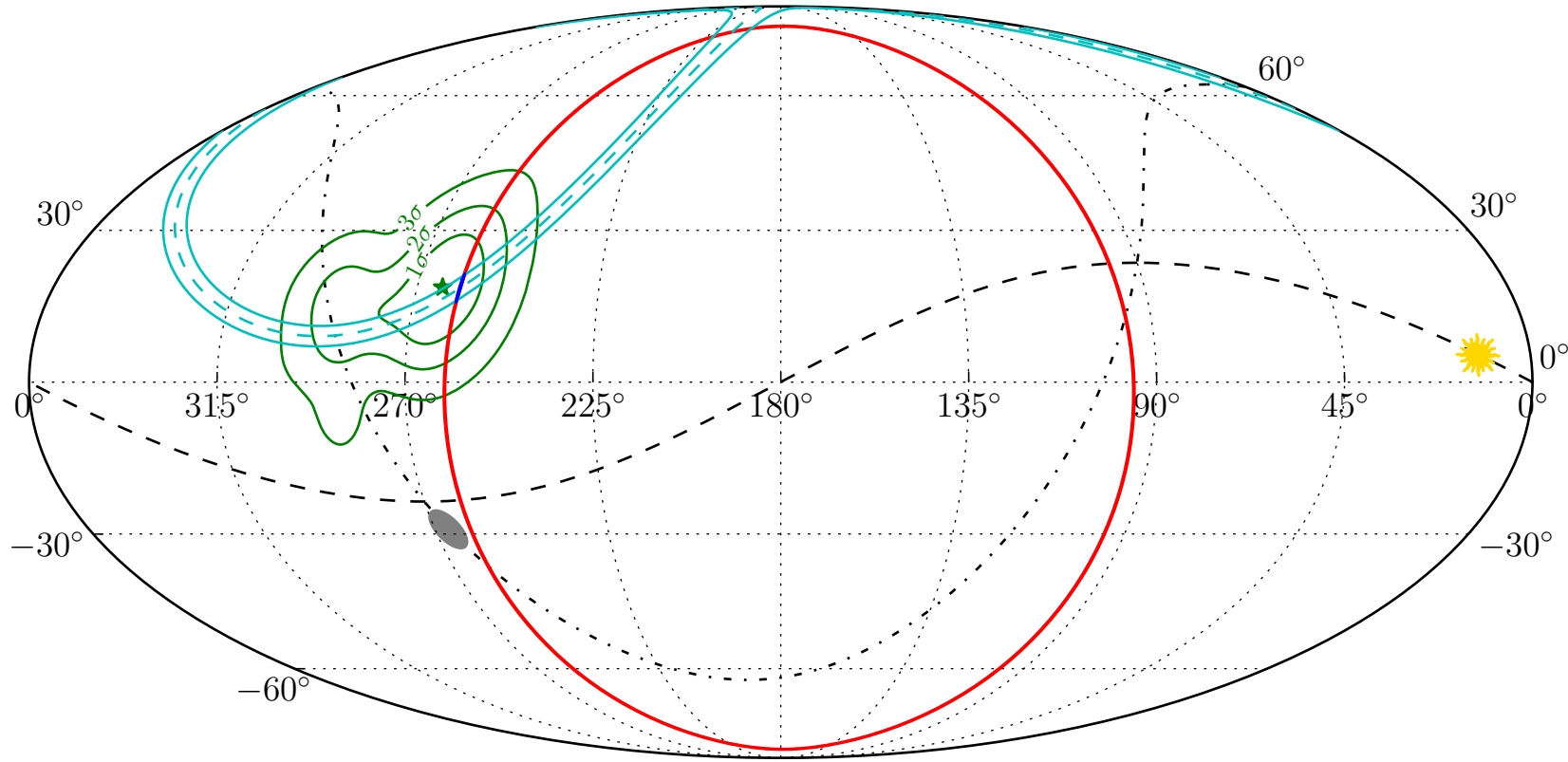
GRB170305A (2017-03-05  $T_0=22143.260$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	24.5372	10.2761	14.8903	0.0828
KW - INT	354.0691	-5.0803	47.8216	0.2423
FER - KW	351.0962	-1.3621	49.5426	0.2466

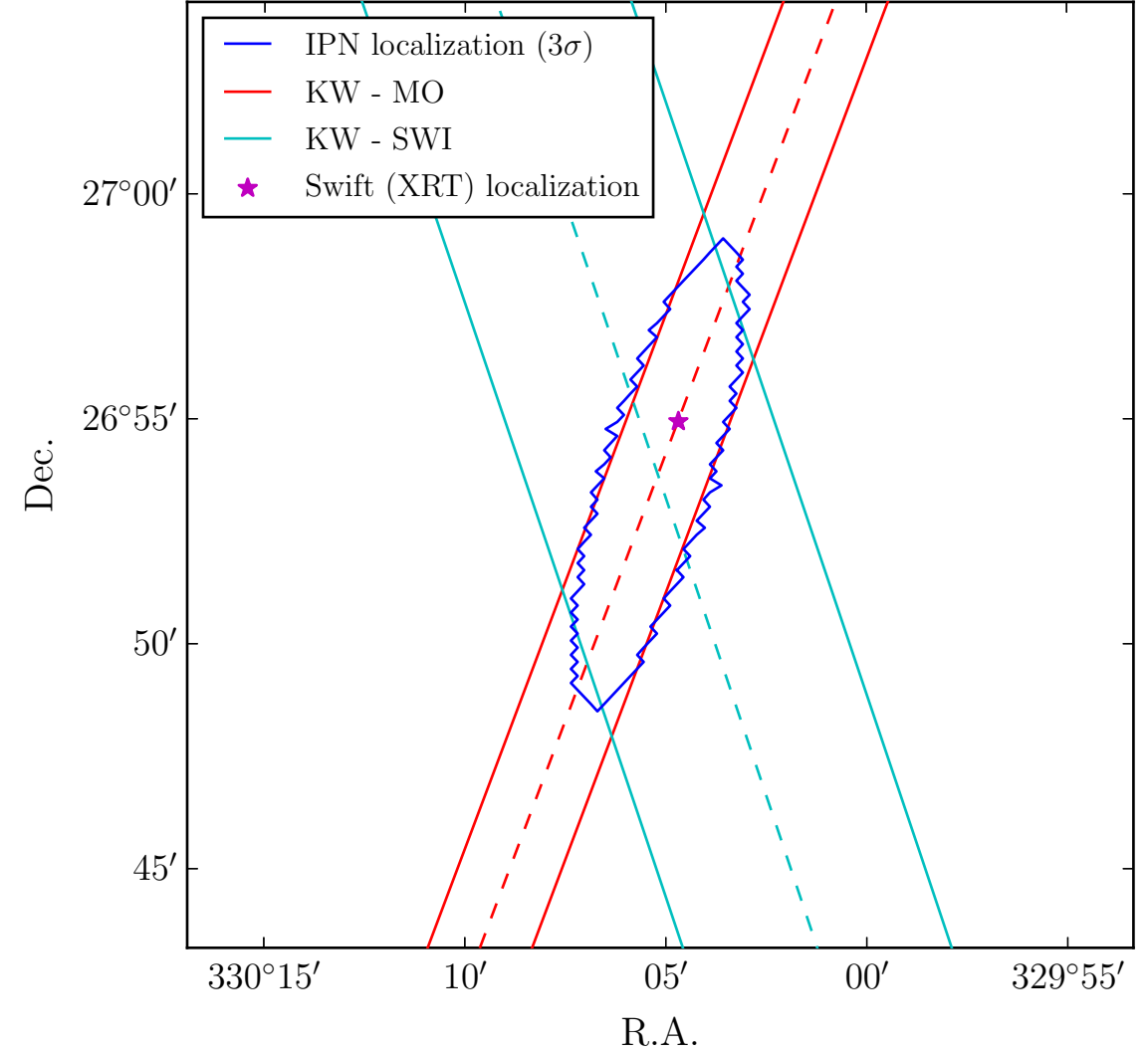
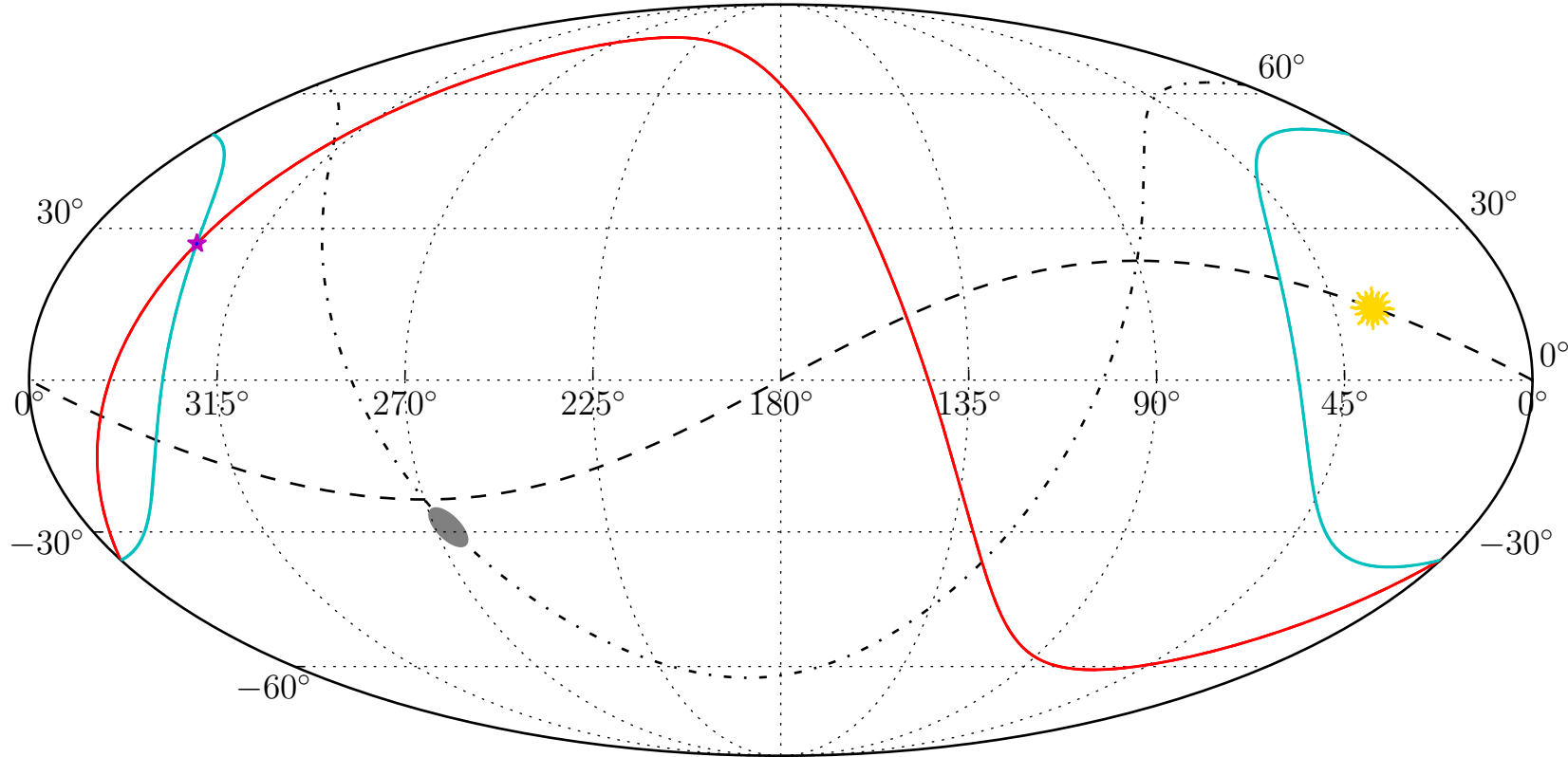
GRB170403A (2017-04-03  $T_0=50358.544$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	177.9913	-2.2587	82.5170	0.1619
FER - INT	291.5138	49.1064	40.1688	1.9897

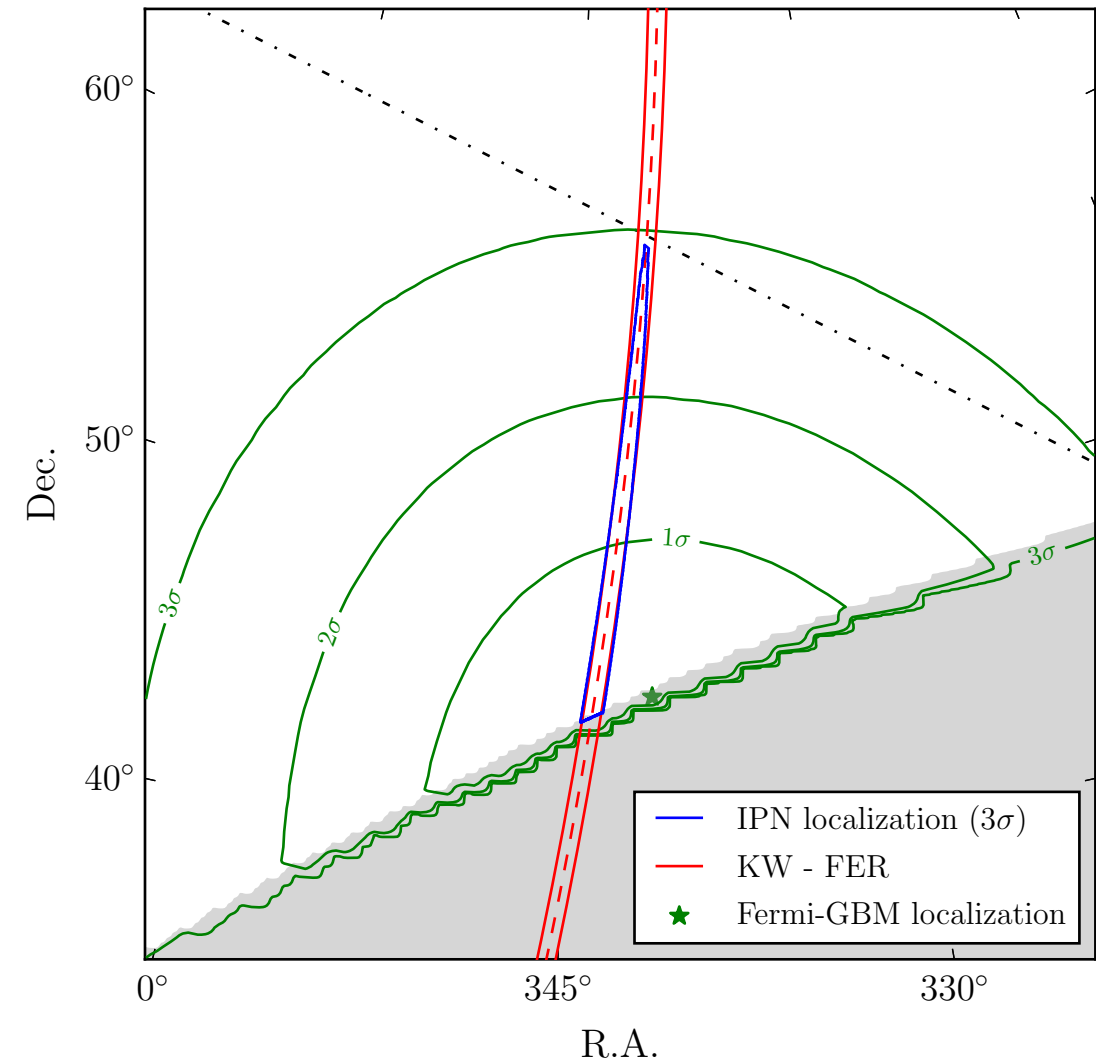
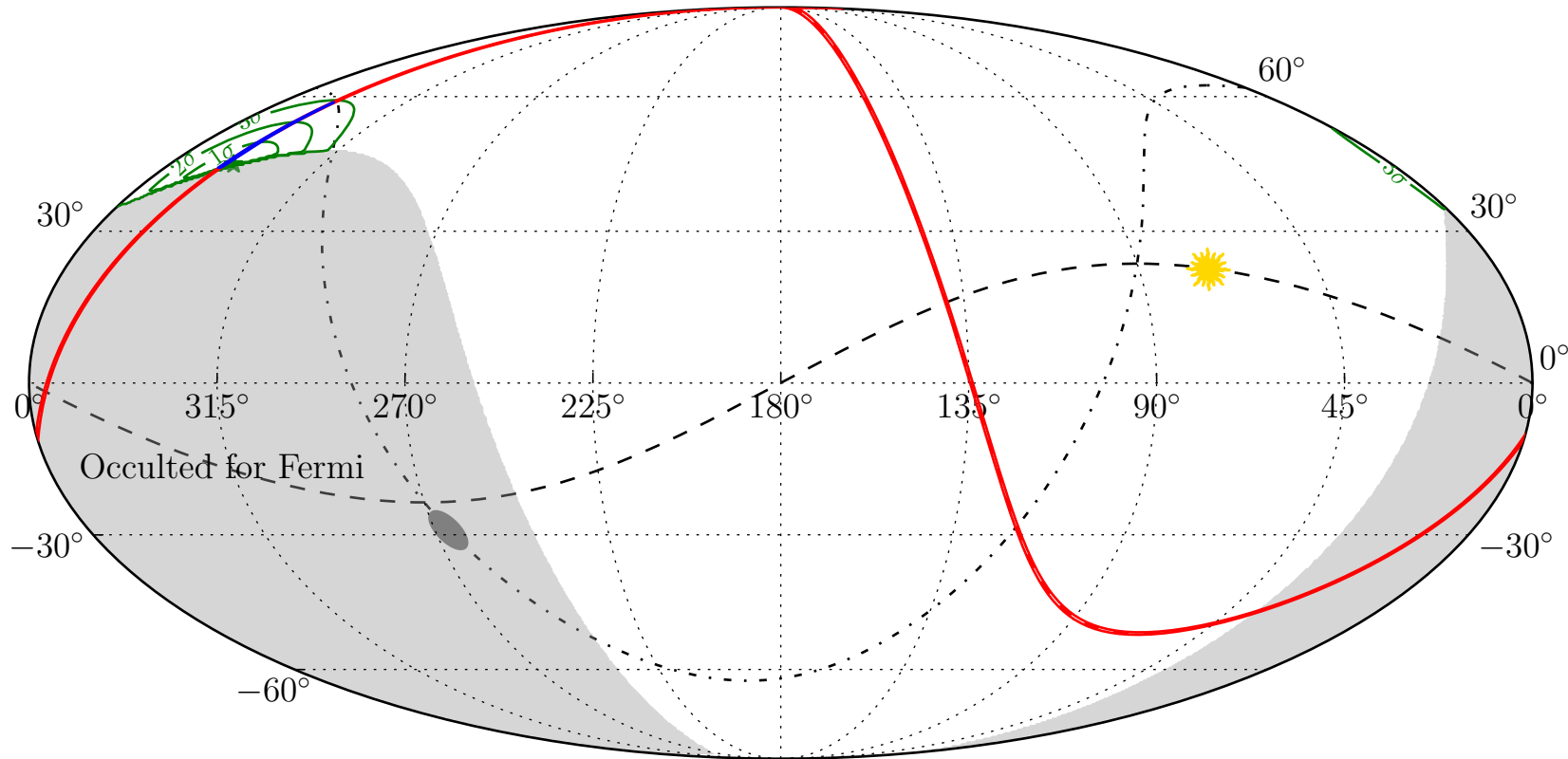
# GRB170428A (2017-04-28 $T_0=33218.719$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	62.6751	21.7055	82.5372	0.0181
KW - SWI	11.9883	7.0655	44.4073	0.0472

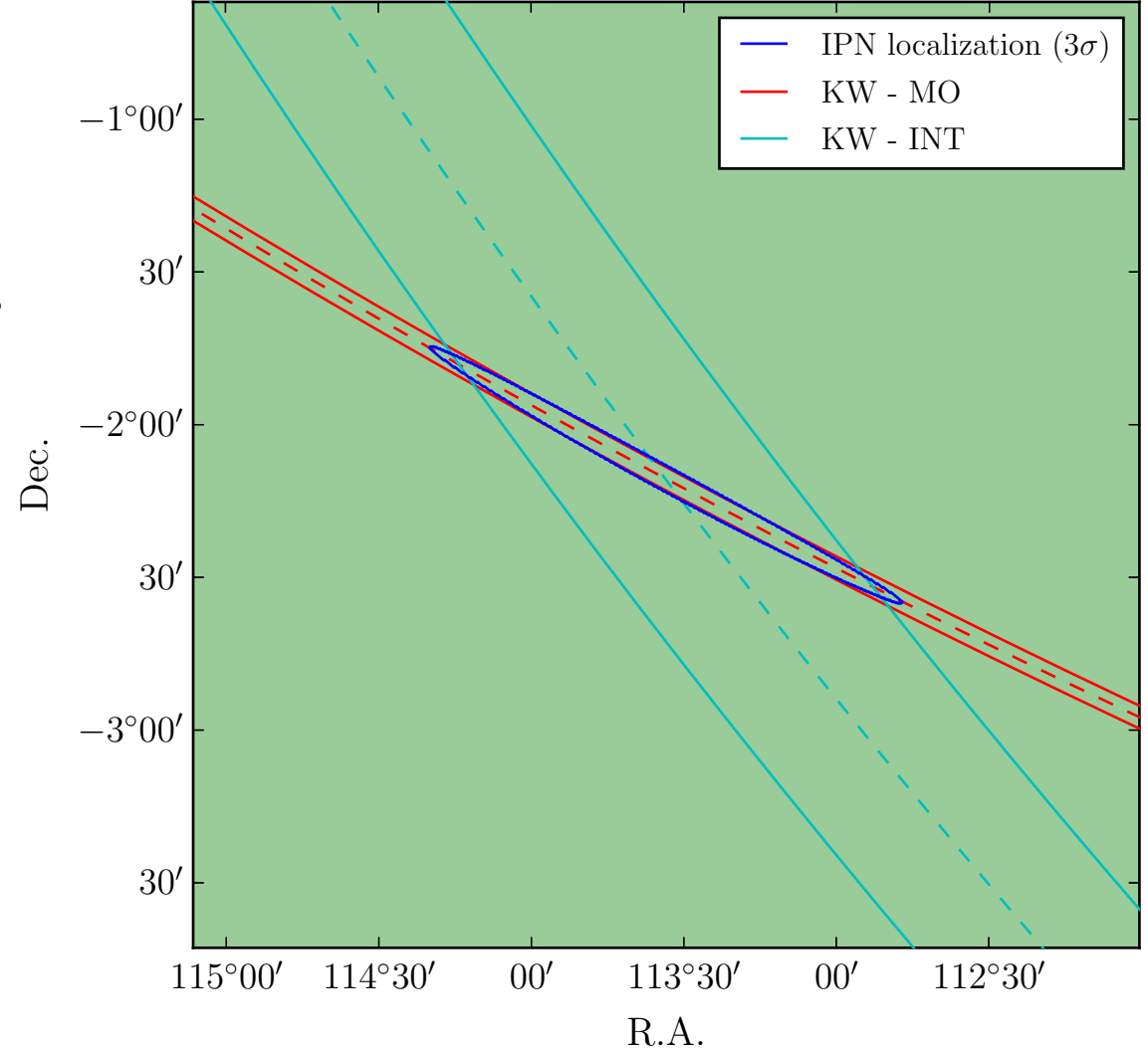
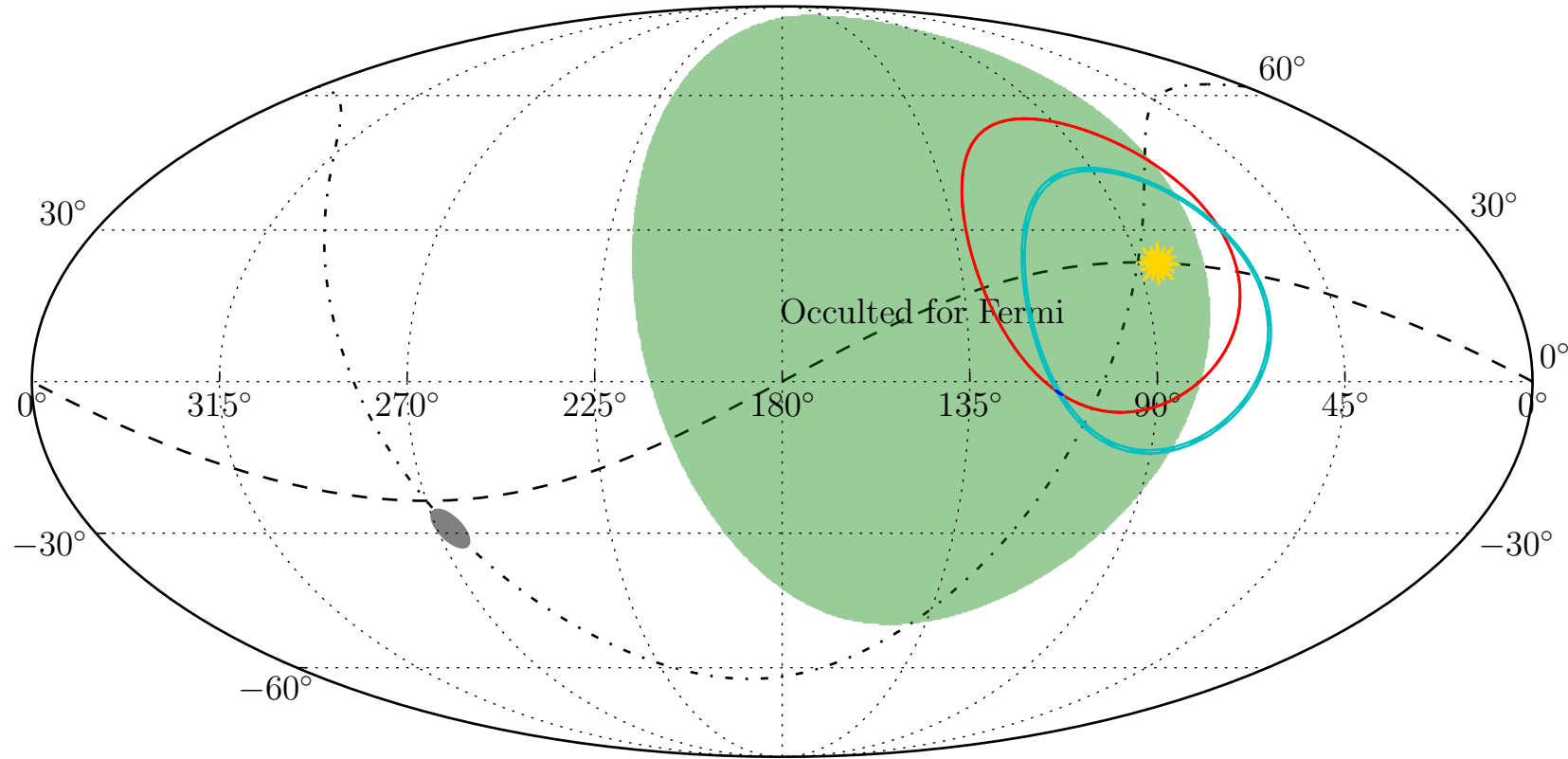
GRB20170604\_T52083 (2017-06-04  $T_0=52083.736$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	64.9252	19.1976	70.5554	0.2817

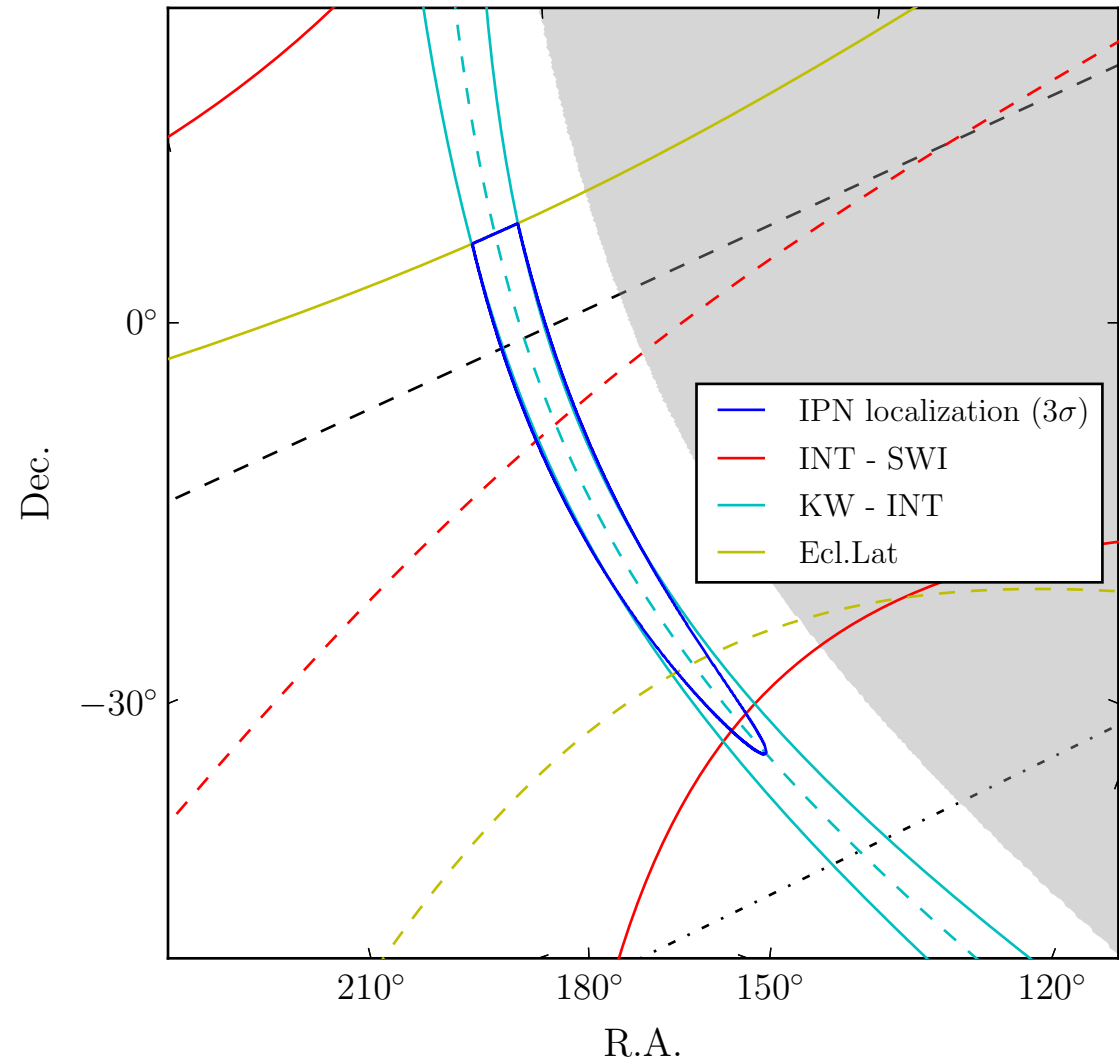
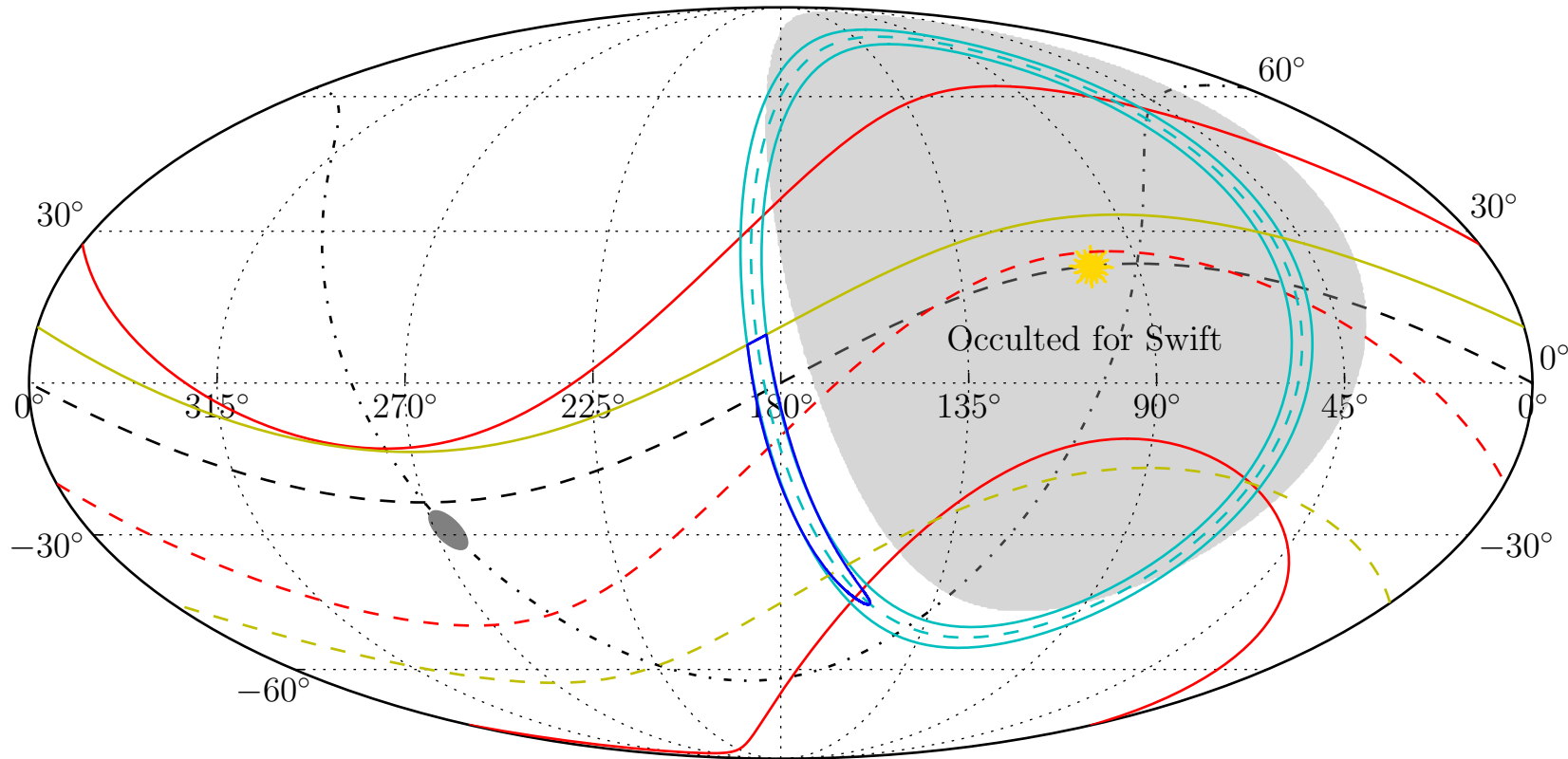
# GRB170616A (2017-06-16 $T_0=57991.385$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	98.4613	24.1765	30.1630	0.0339
KW - INT	90.5519	14.5536	28.2712	0.3221

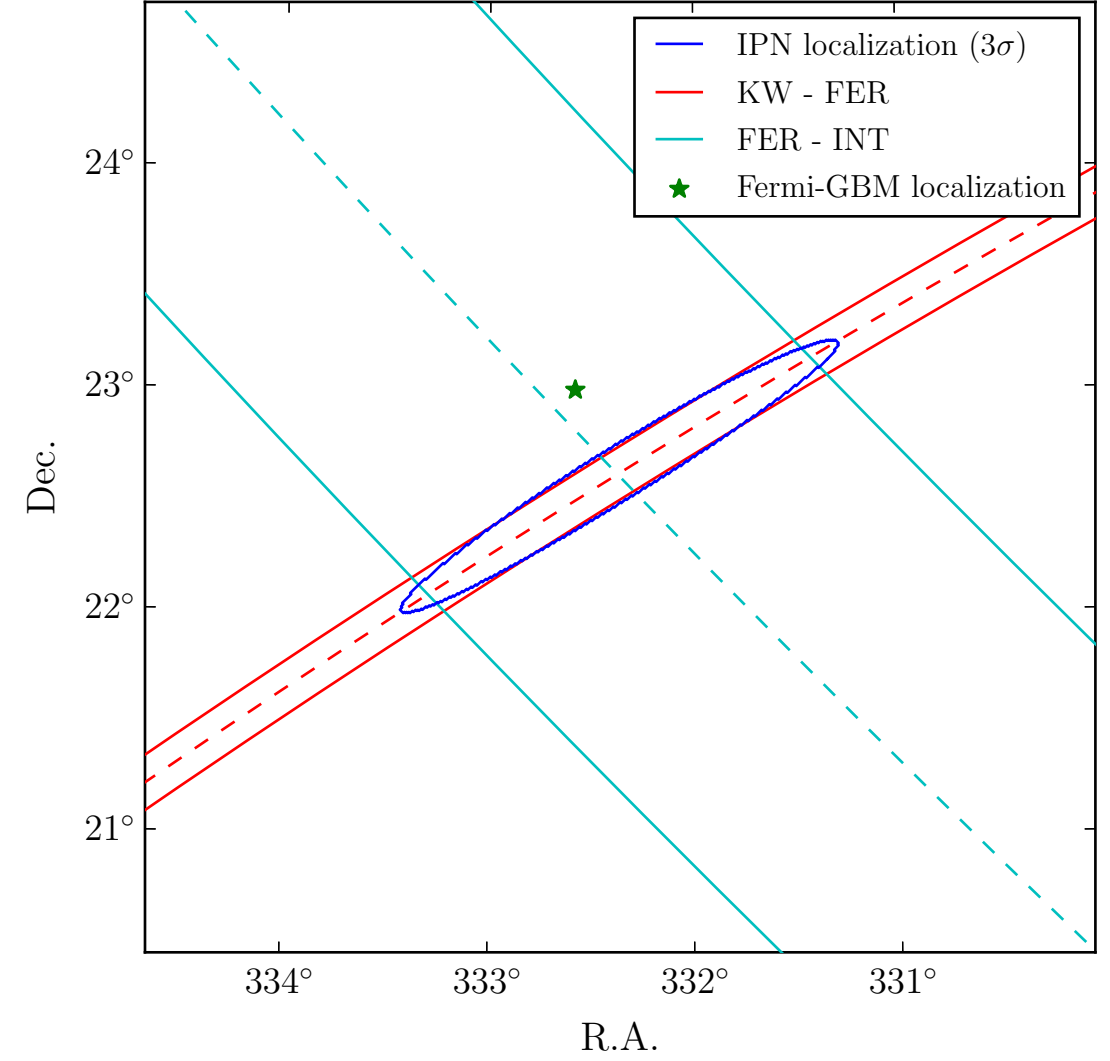
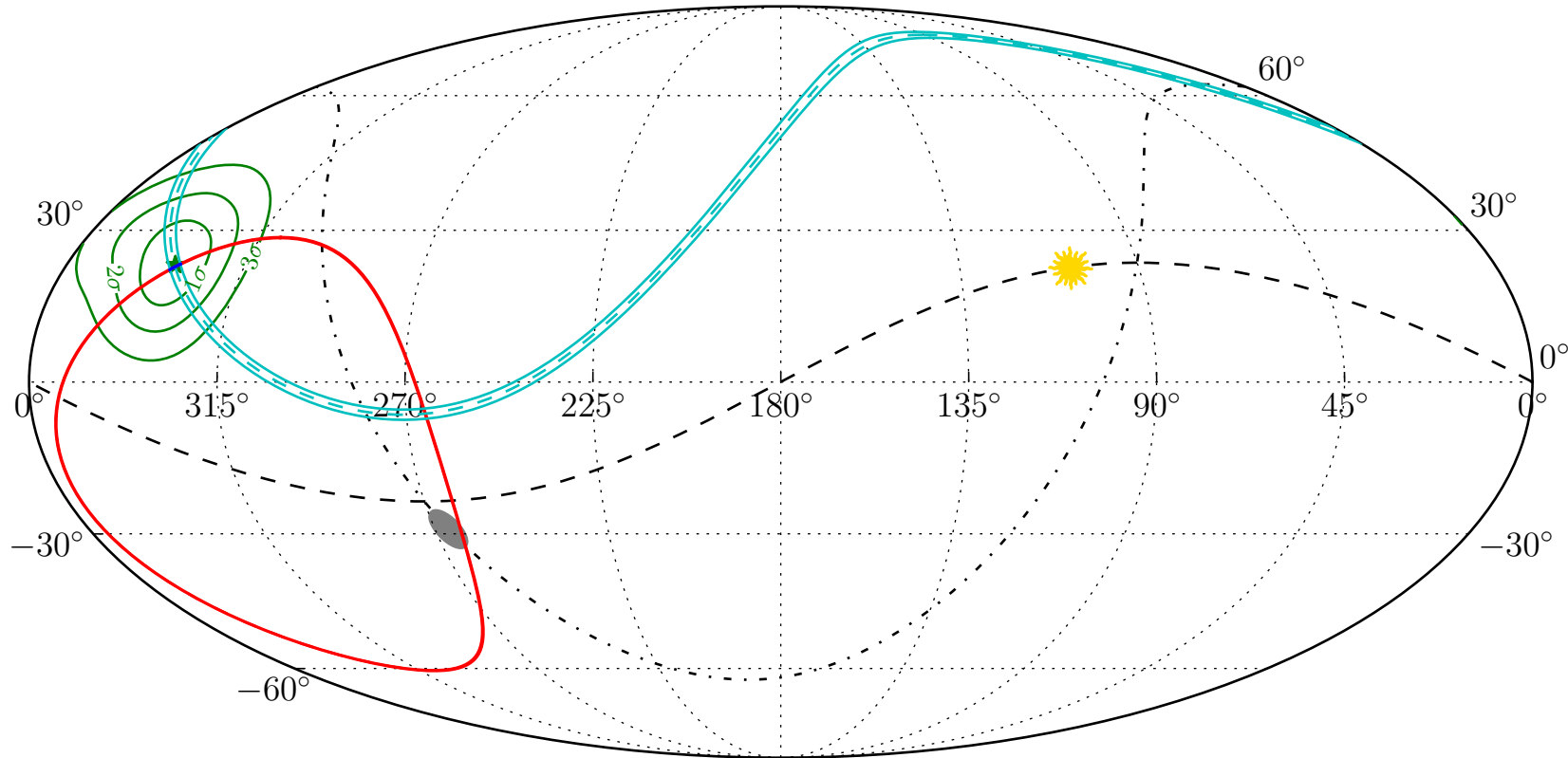
GRB20170702\_T70030 (2017-07-02 T<sub>0</sub>=70030.044 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
INT - SWI	96.1107	-52.2689	78.1911	36.7483
KW - INT	120.0533	12.3233	64.6132	2.4248
Ecl.Lat	270.0000	66.5610	130.0000	50.0000

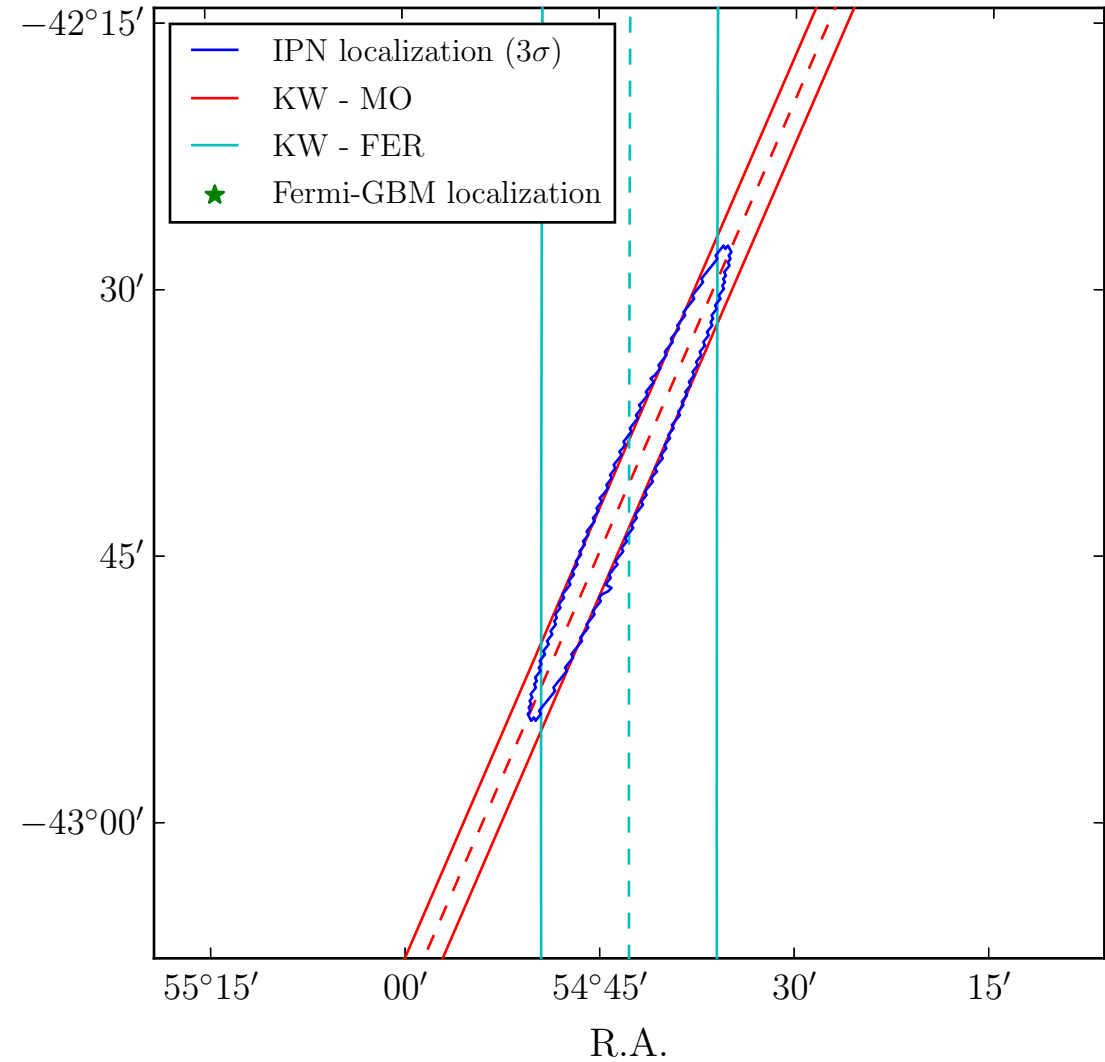
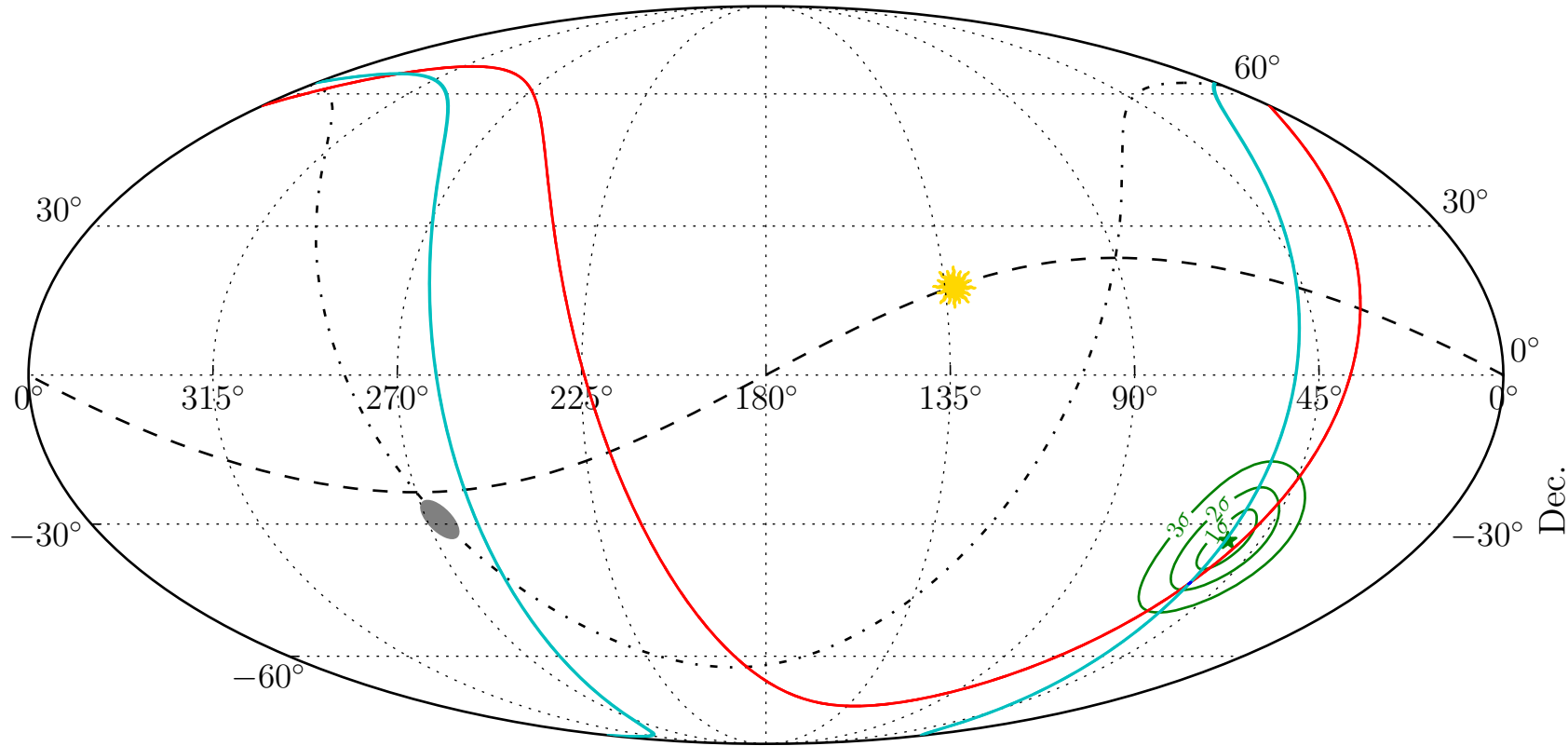
# GRB170708A (2017-07-08 $T_0=3974.665$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	309.7584	-16.0212	44.5257	0.1029
FER - INT	270.8347	48.2043	54.5583	0.9911

# GRB170802A (2017-08-02 $T_0=55108.100$ s, UT)

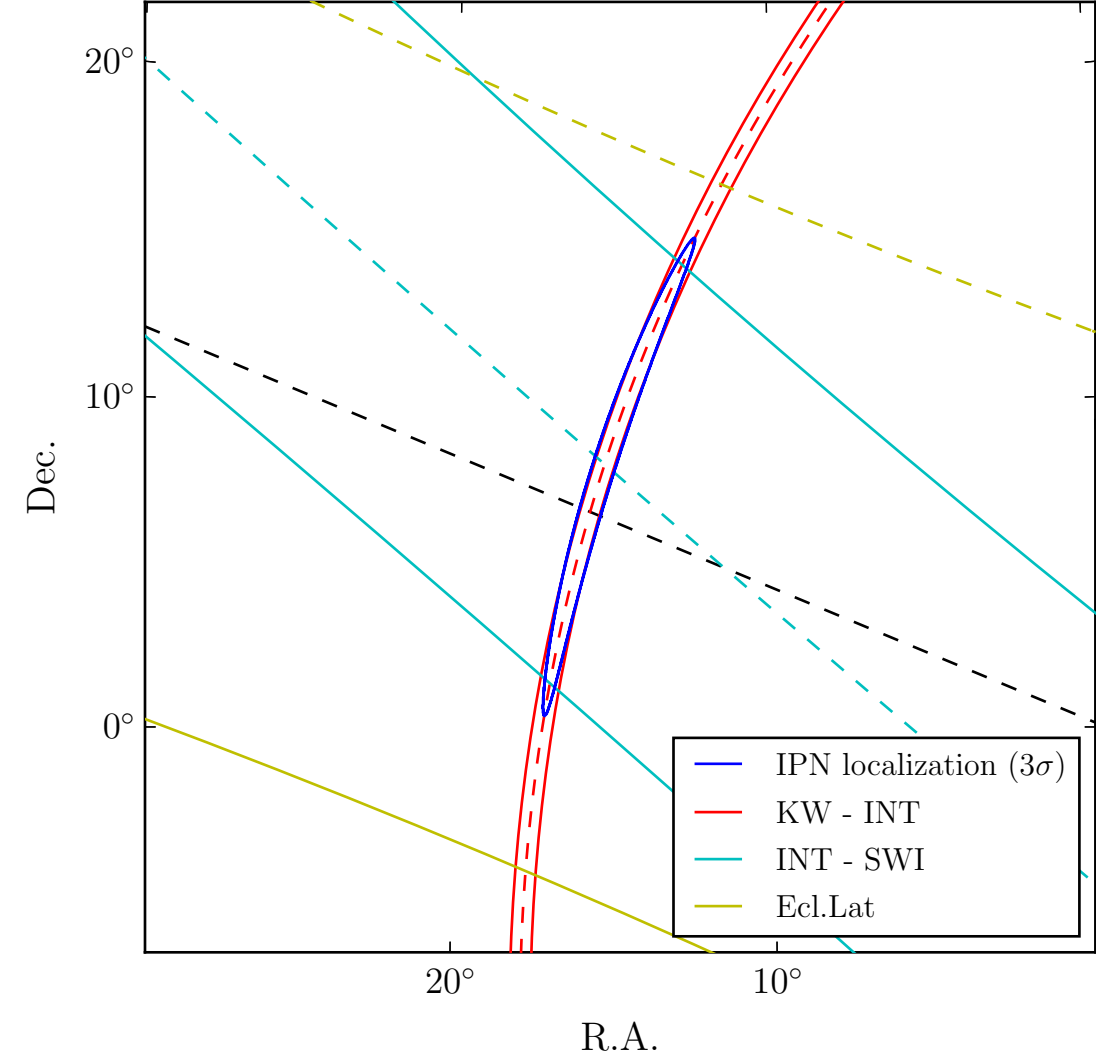
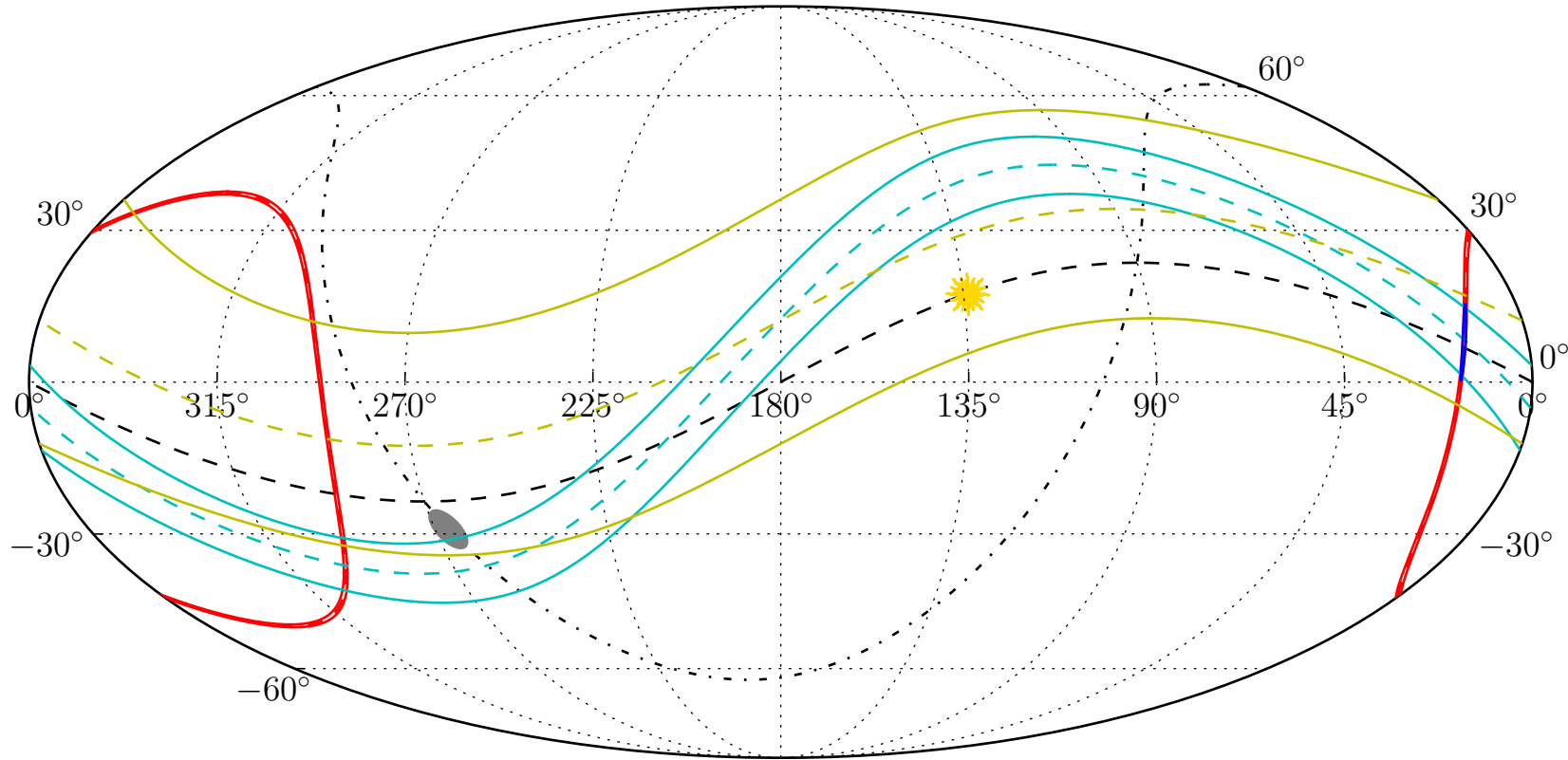


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	310.8367	-19.3208	86.6782	0.0163
KW - FER	335.5700	-9.9567	75.3088	0.0824



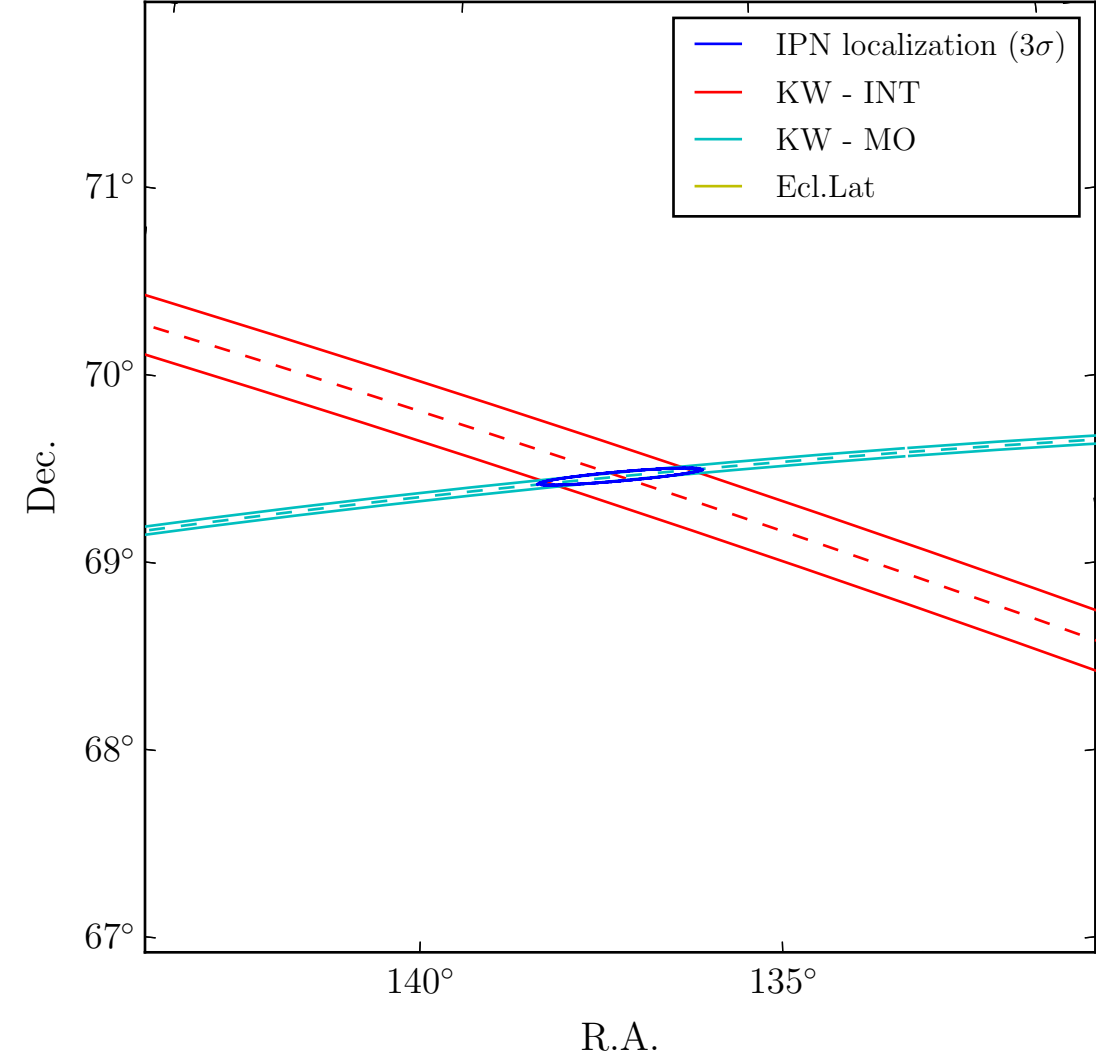
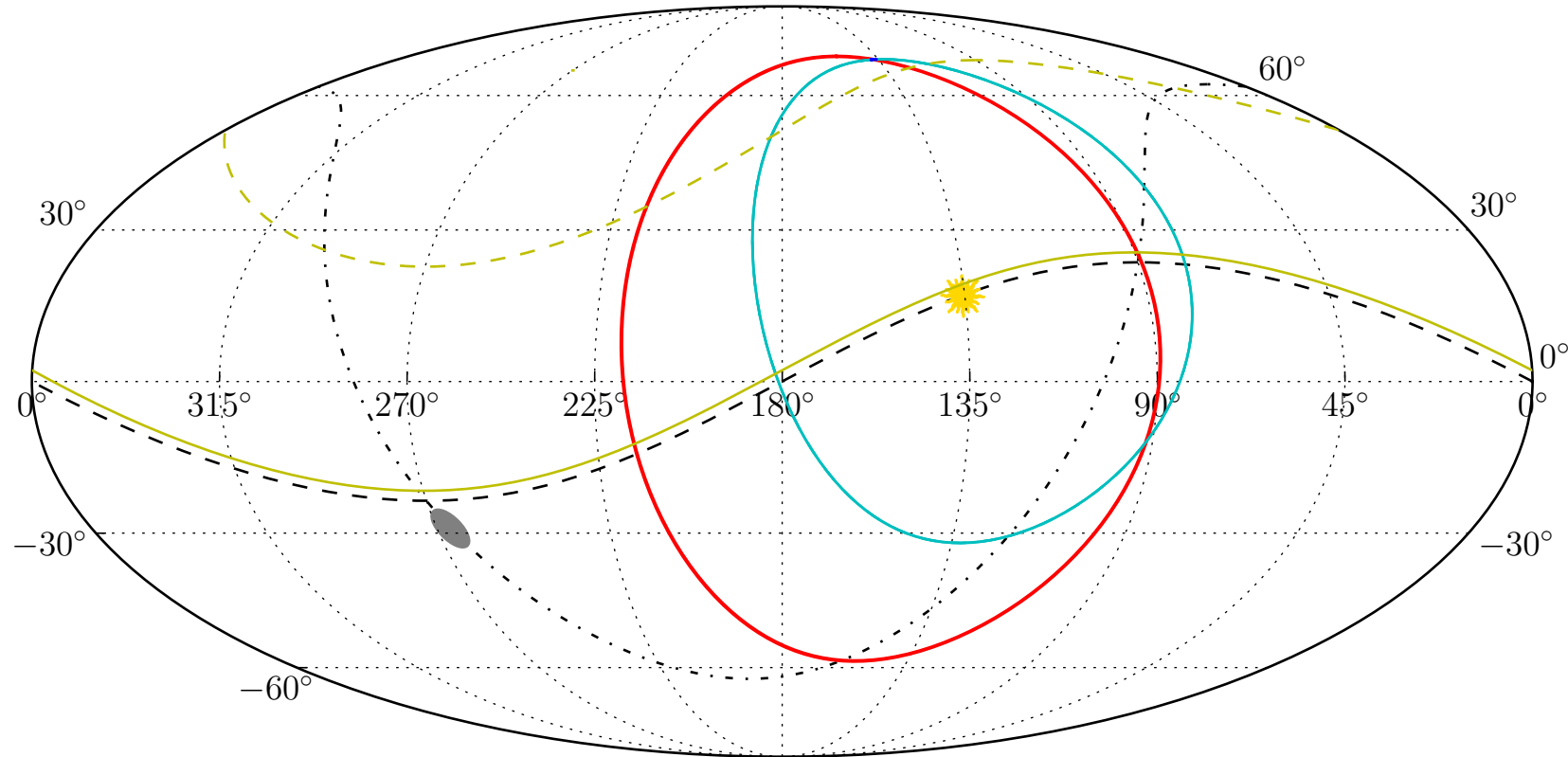
# GRB170803B (2017-08-03 $T_0=79235.981$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	333.7616	-6.0135	43.7920	0.3140
INT - SWI	280.0793	48.8984	87.2210	6.2954
Ecl.Lat	270.0000	66.5610	79.0000	22.0000

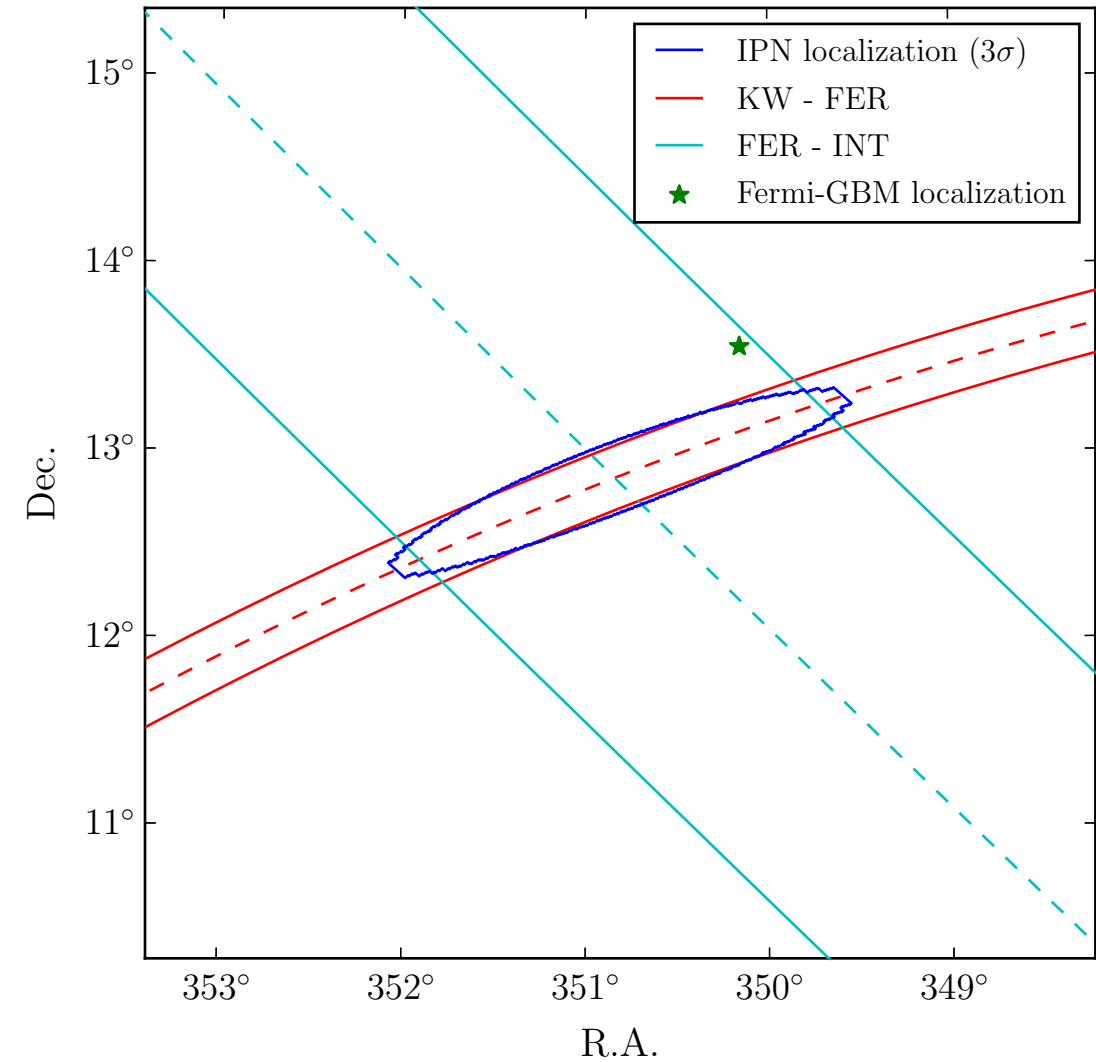
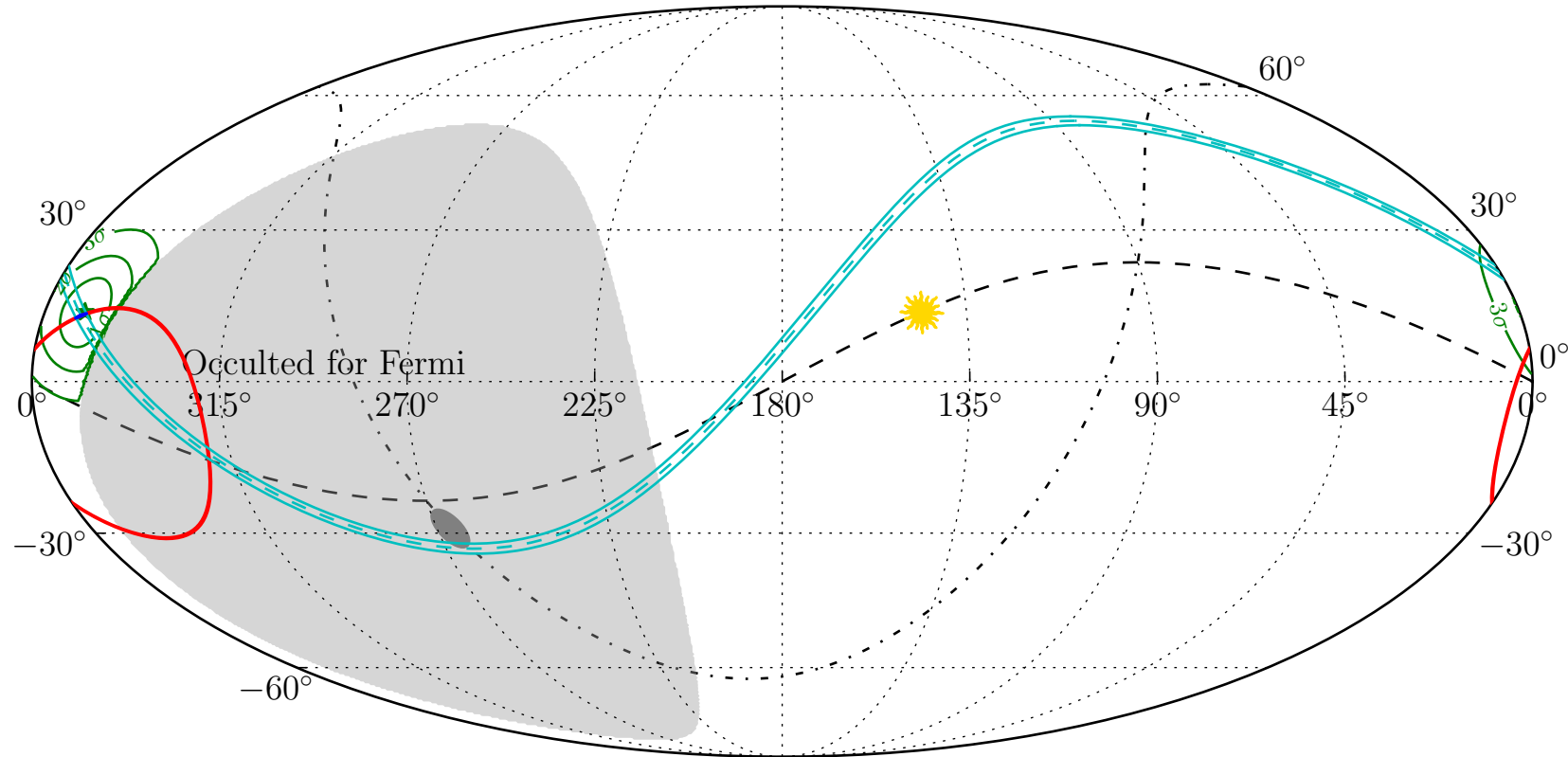
# GRB170805B (2017-08-05 $T_0=51527.165$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	153.8395	6.0819	64.4474	0.1530
KW - MO	132.7618	18.8272	50.8567	0.0218
Ecl.Lat	270.0000	66.5610	44.0000	44.0000

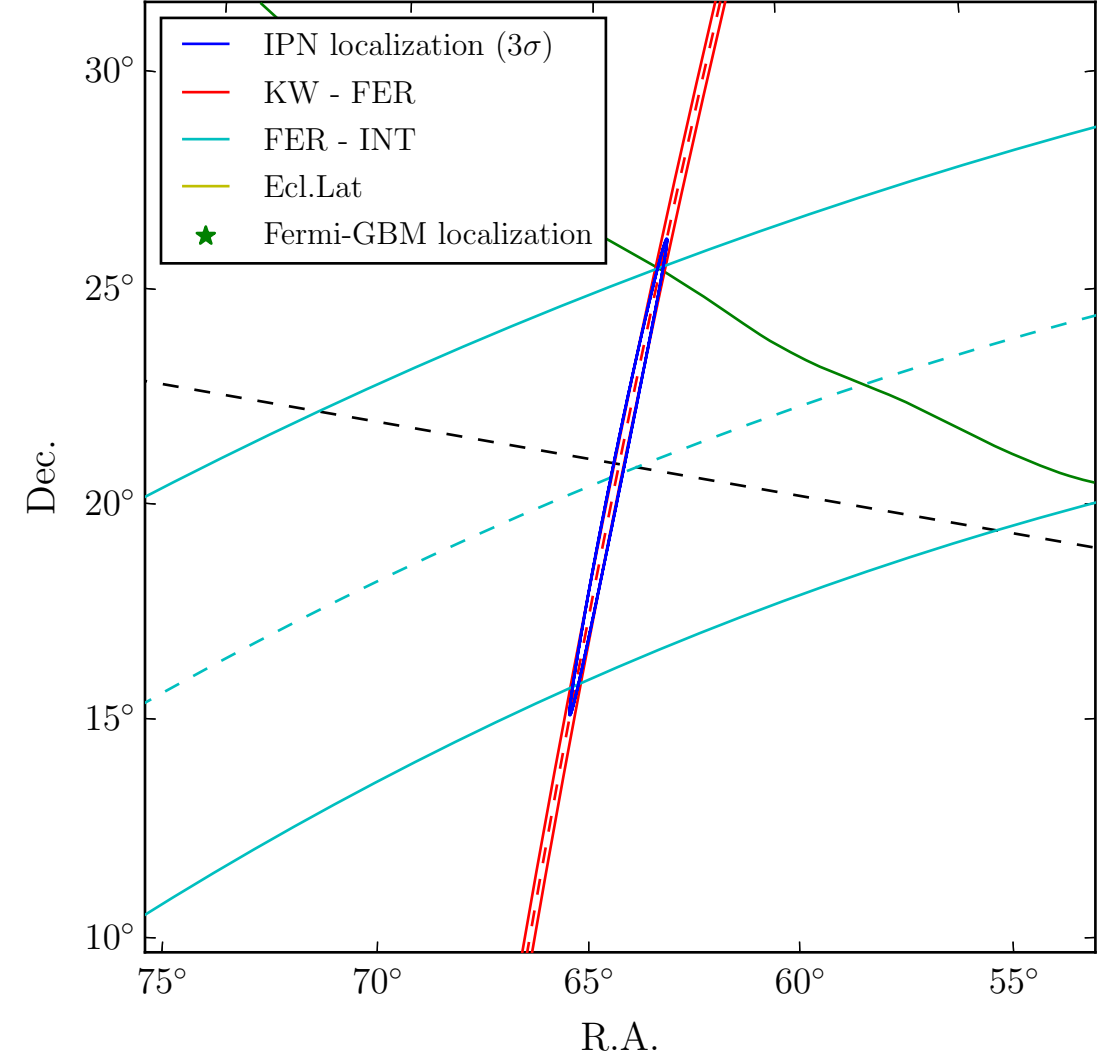
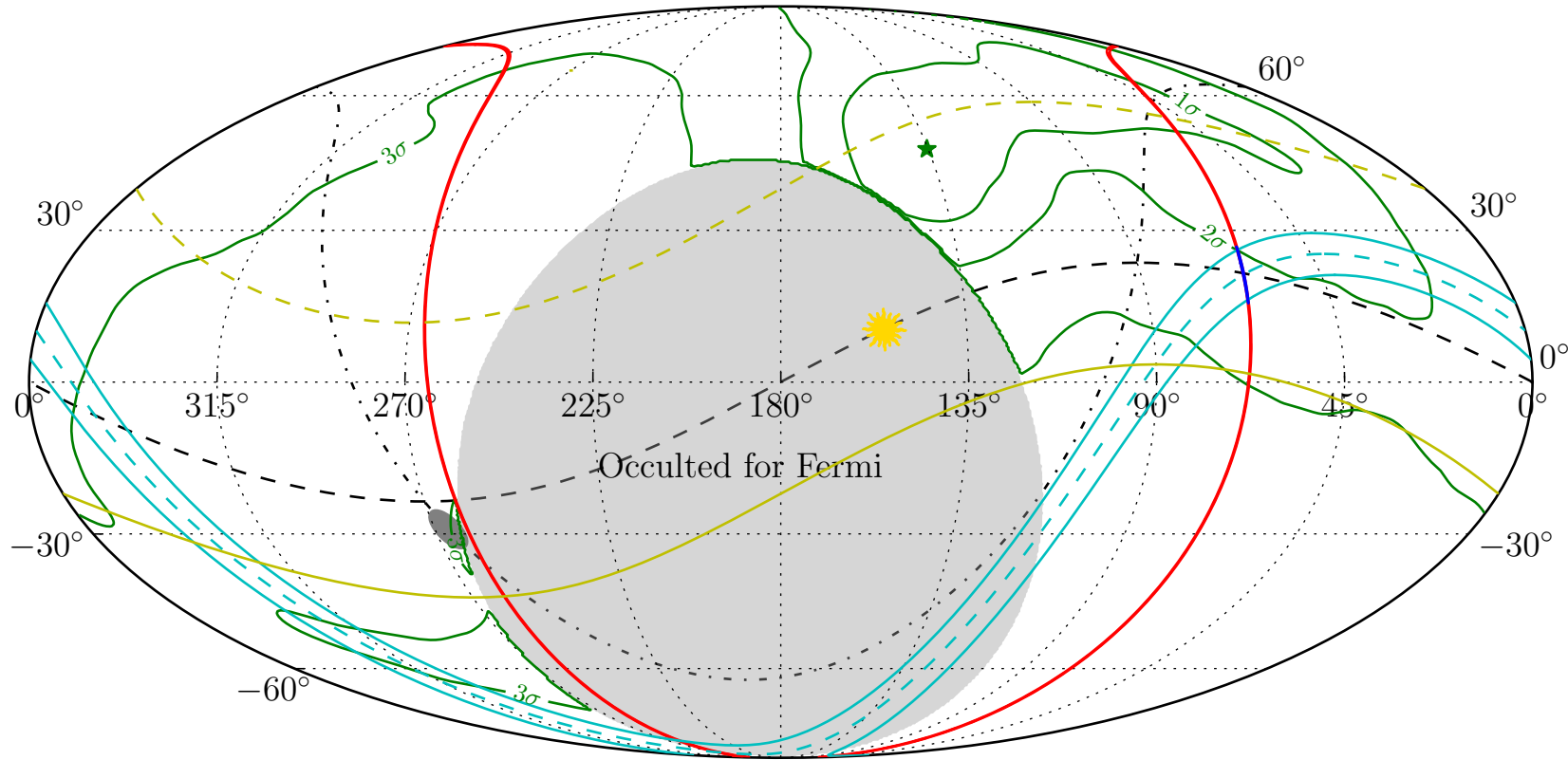
GRB170816A (2017-08-16  $T_0=51789.108$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	342.6821	-8.3531	22.7022	0.1609
FER - INT	262.3514	46.4716	79.6892	1.0422

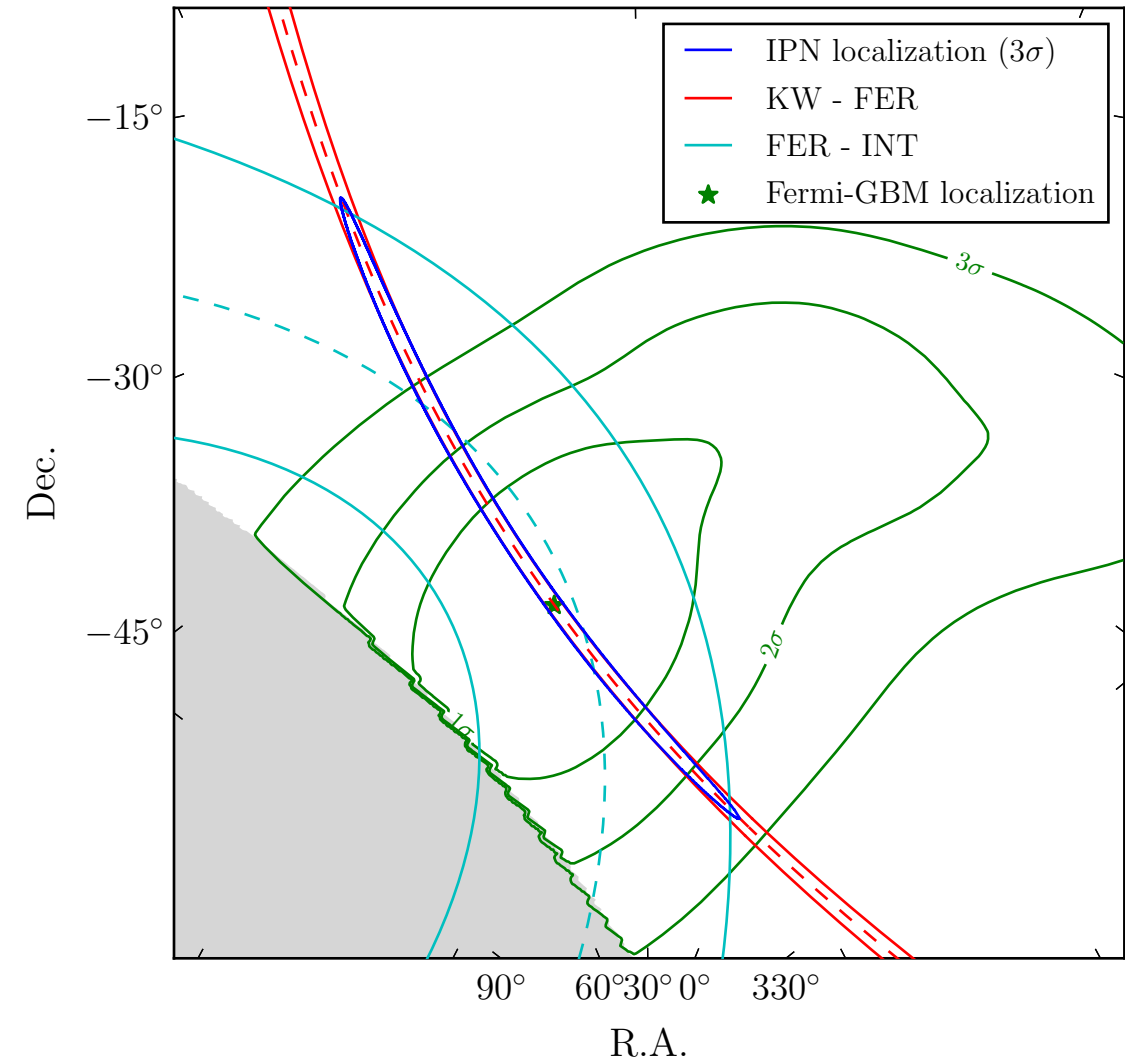
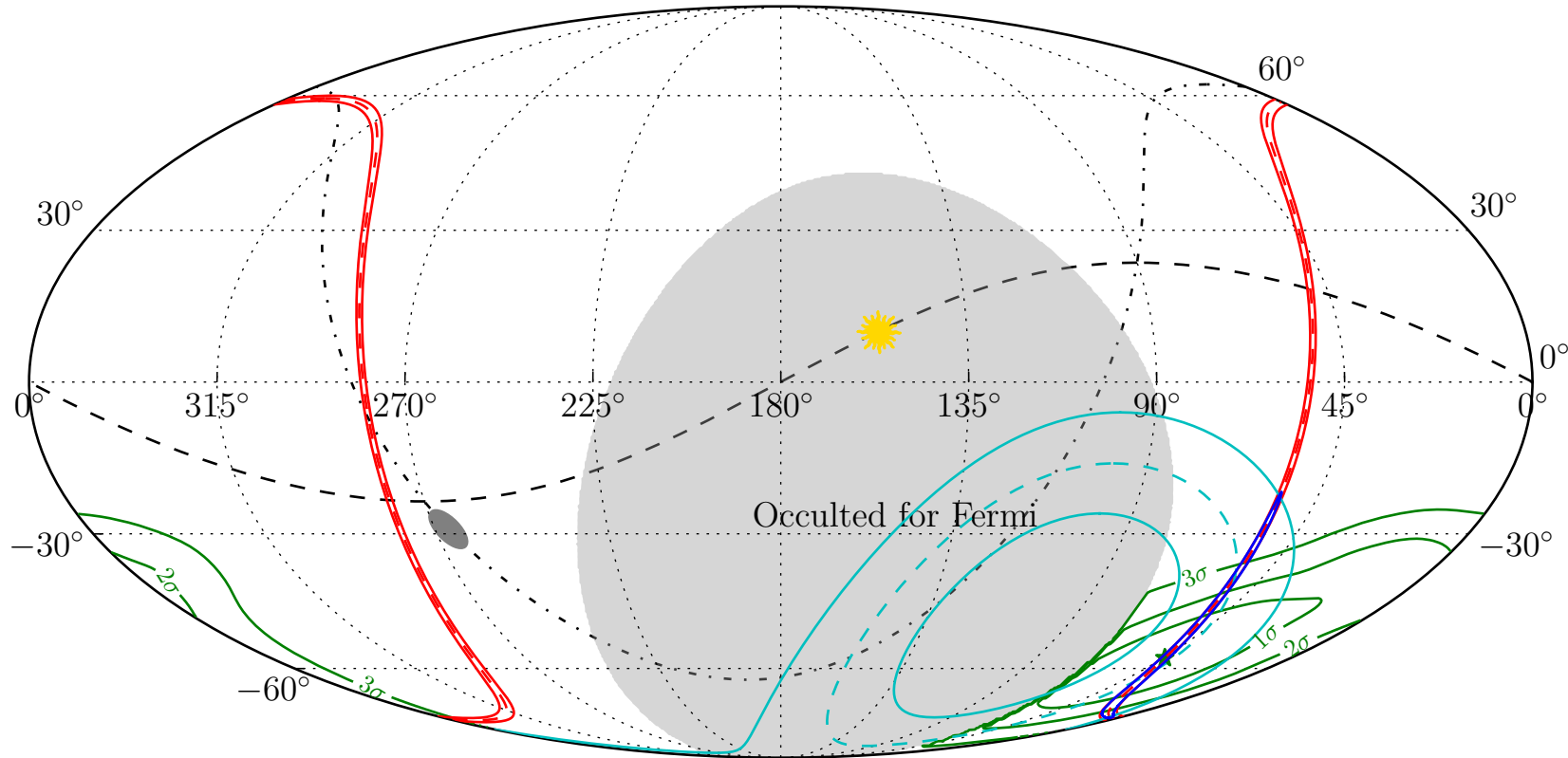
GRB170826A (2017-08-26  $T_0=31868.408$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	346.2712	-7.5627	81.7246	0.1133
FER - INT	41.5821	-33.7200	58.9306	4.2240
Ecl.Lat	270.0000	66.5610	55.0000	55.0000

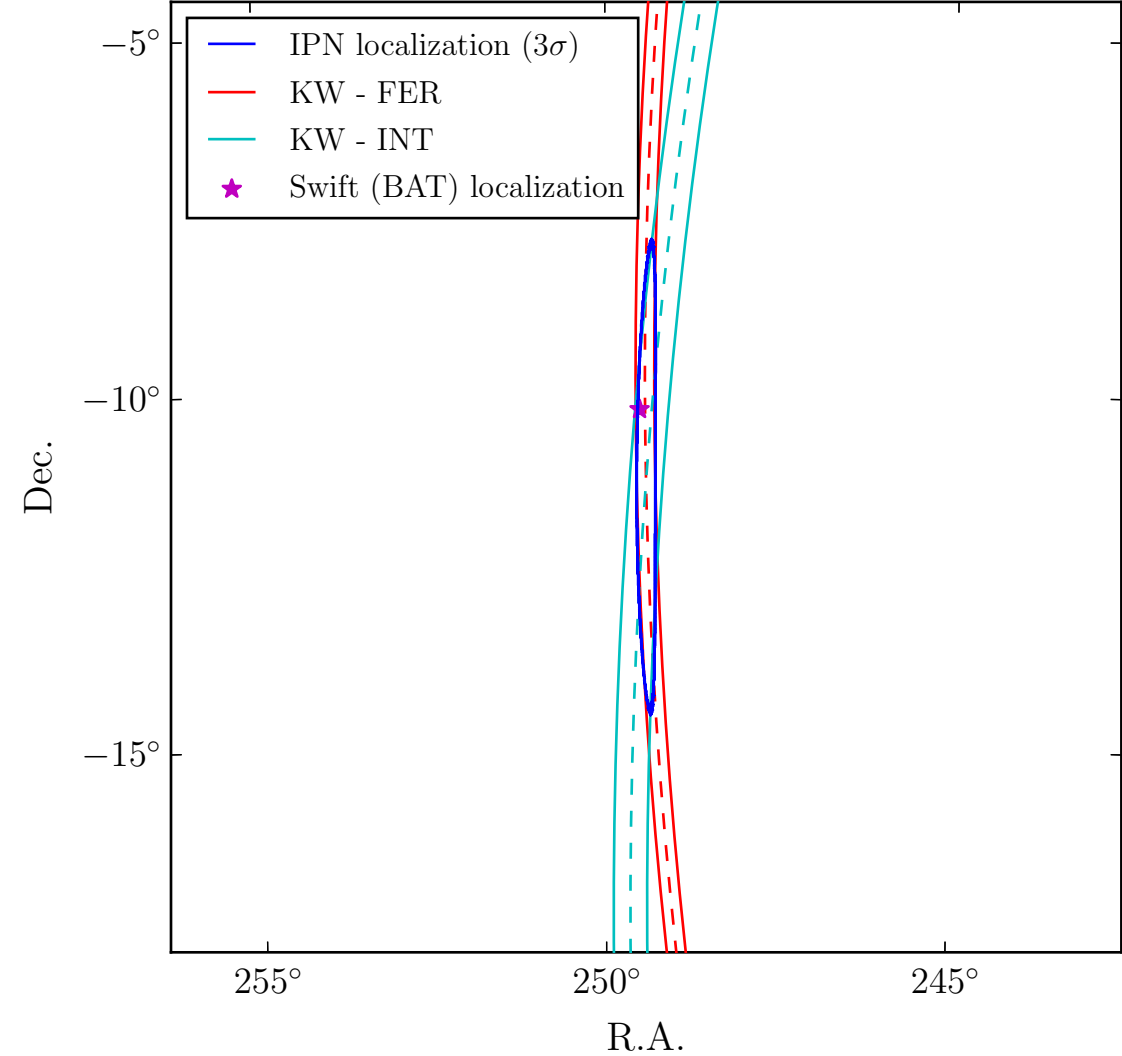
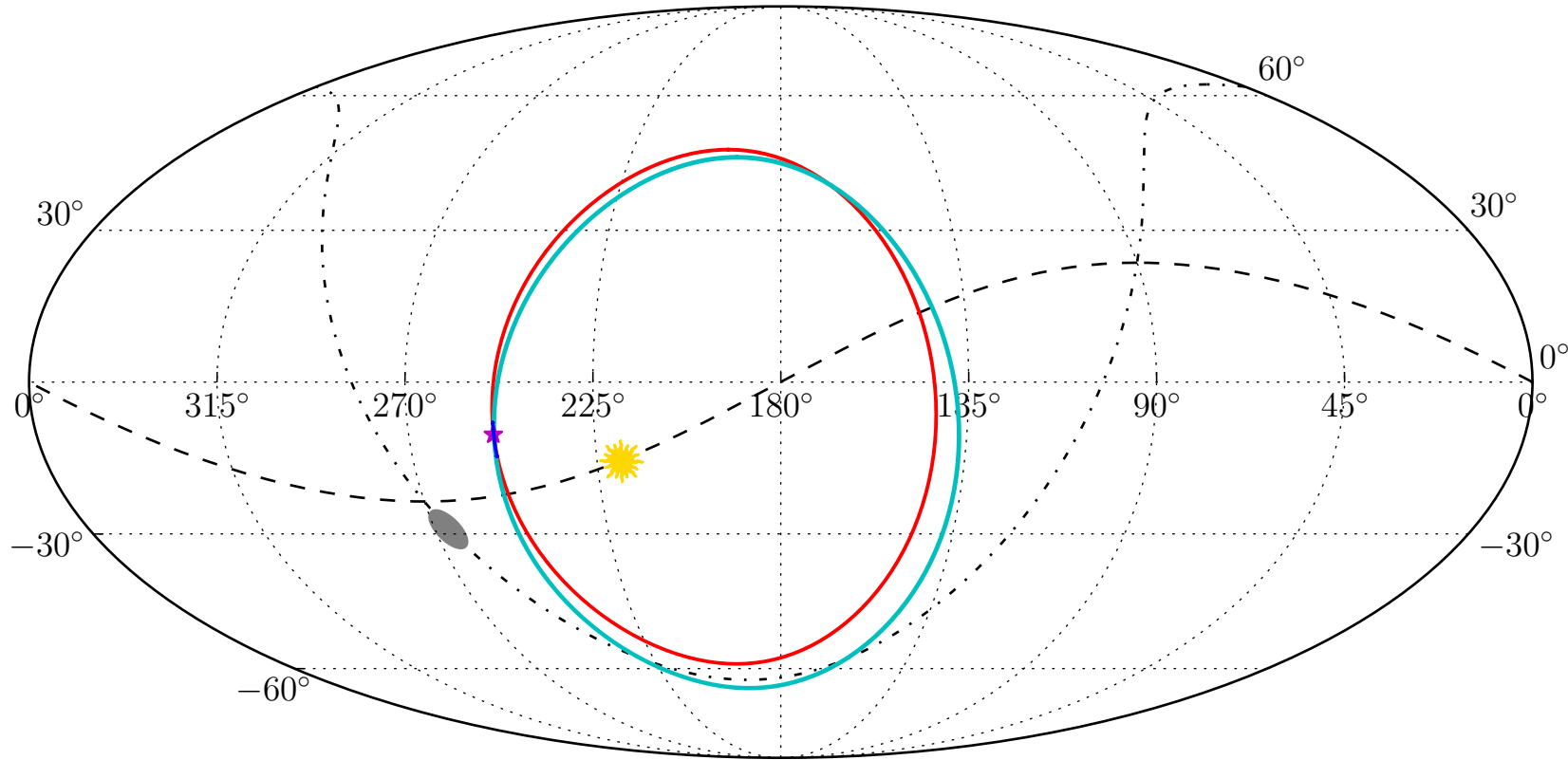
# GRB170827B (2017-08-27 $T_0=70686.844$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	346.6009	-7.4711	66.8118	0.6432
FER - INT	98.4538	-49.6376	33.7648	9.9803

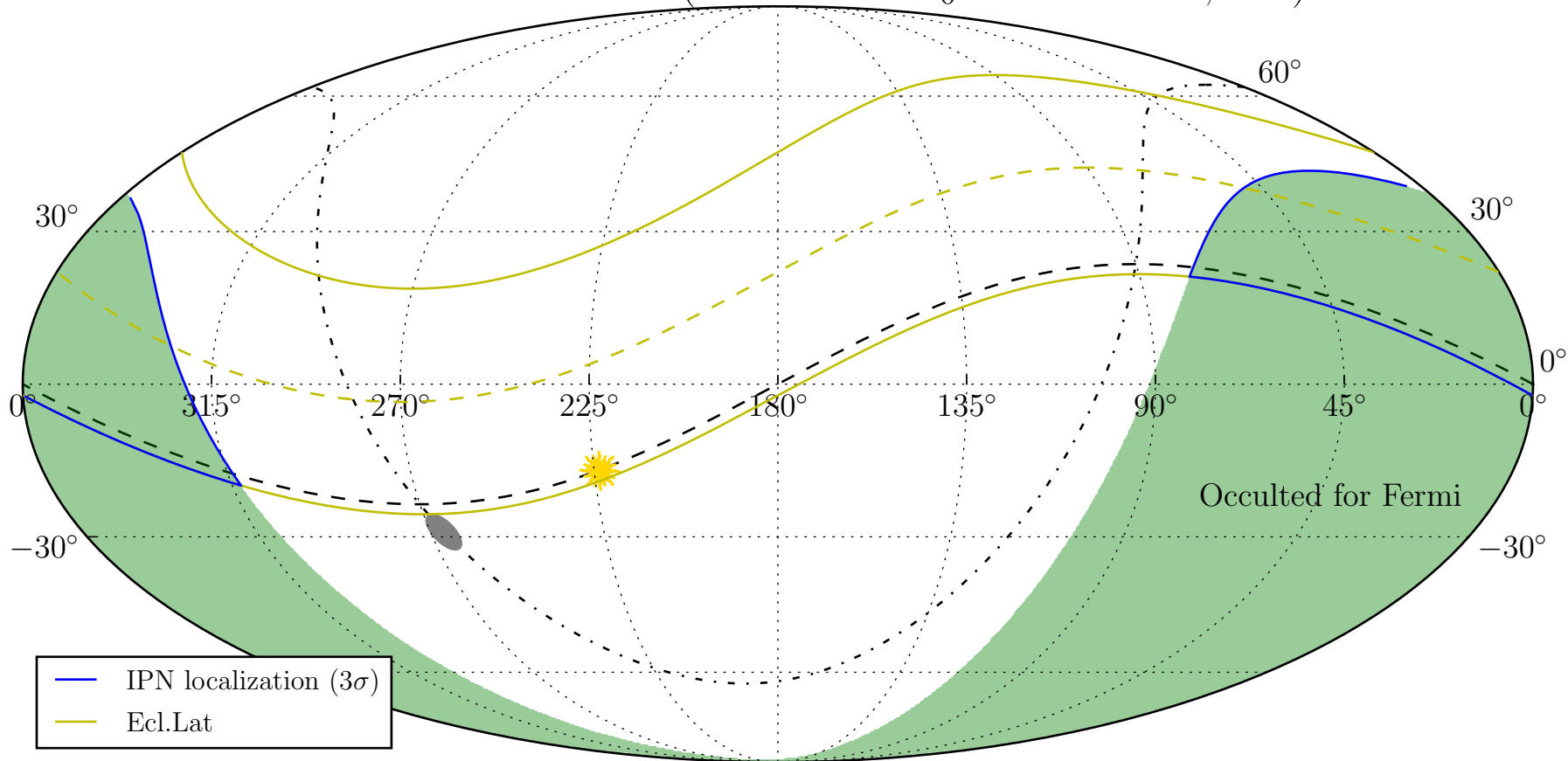
# GRB171103A (2017-11-03 T<sub>0</sub>=83429.176 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	196.0014	-5.7986	53.0387	0.1324
KW - INT	193.1108	-9.7685	55.2998	0.2354

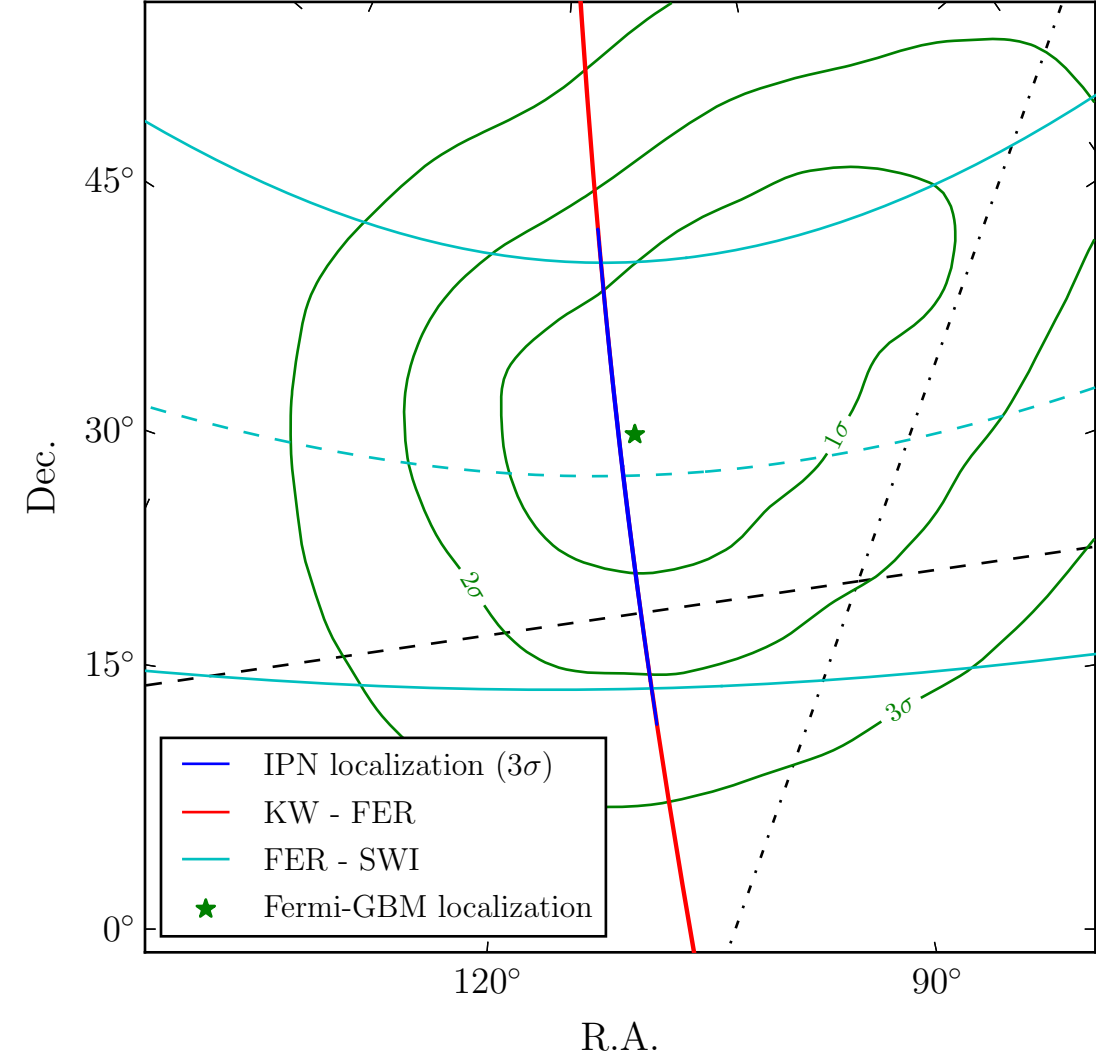
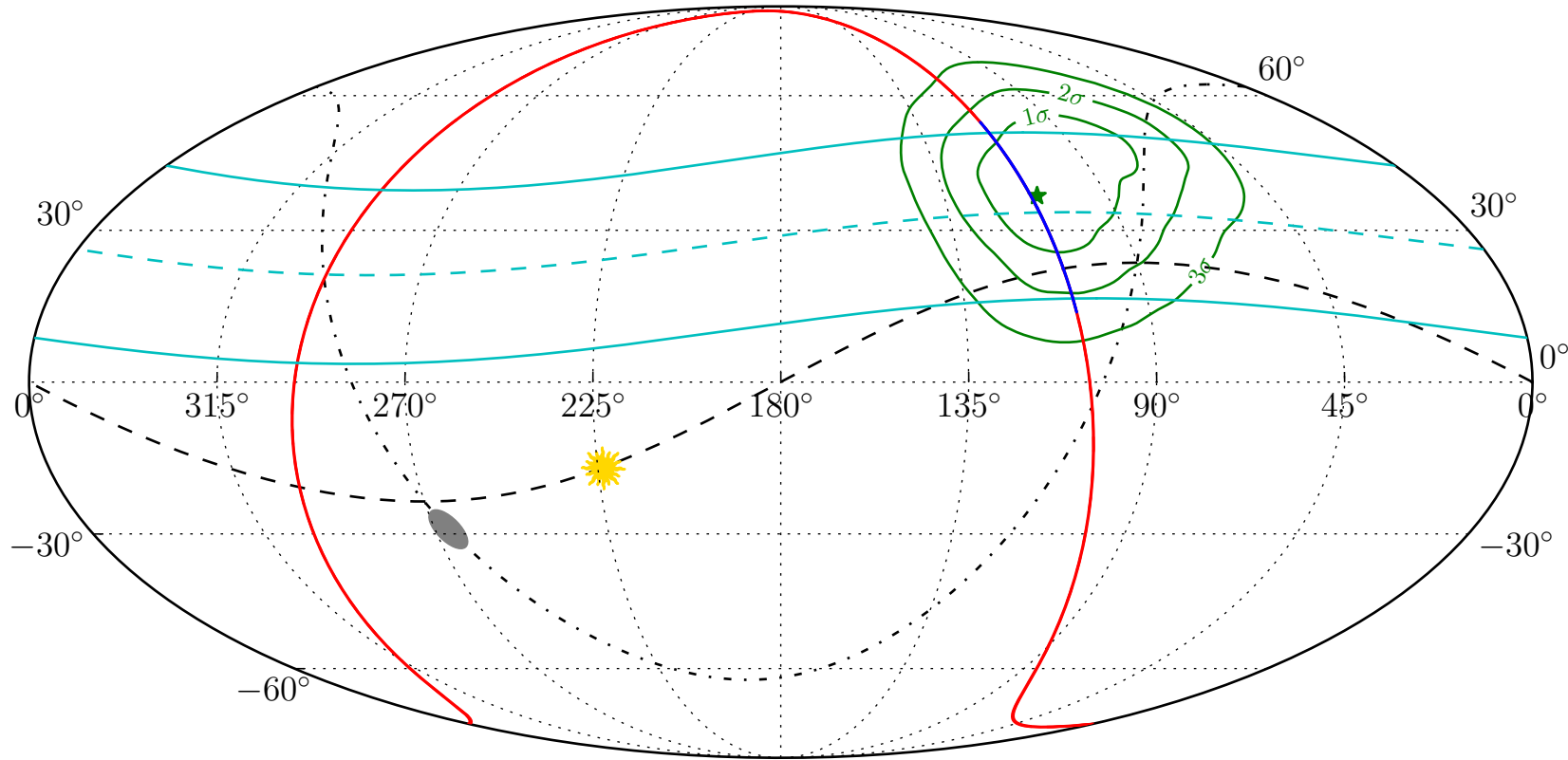
GRB20171108\_T51656 (2017-11-08  $T_0=51656.239$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
Ecl.Lat	270.0000	66.5610	70.0000	22.0000

GRB171108A (2017-11-08  $T_0=56686.930$  s, UT)

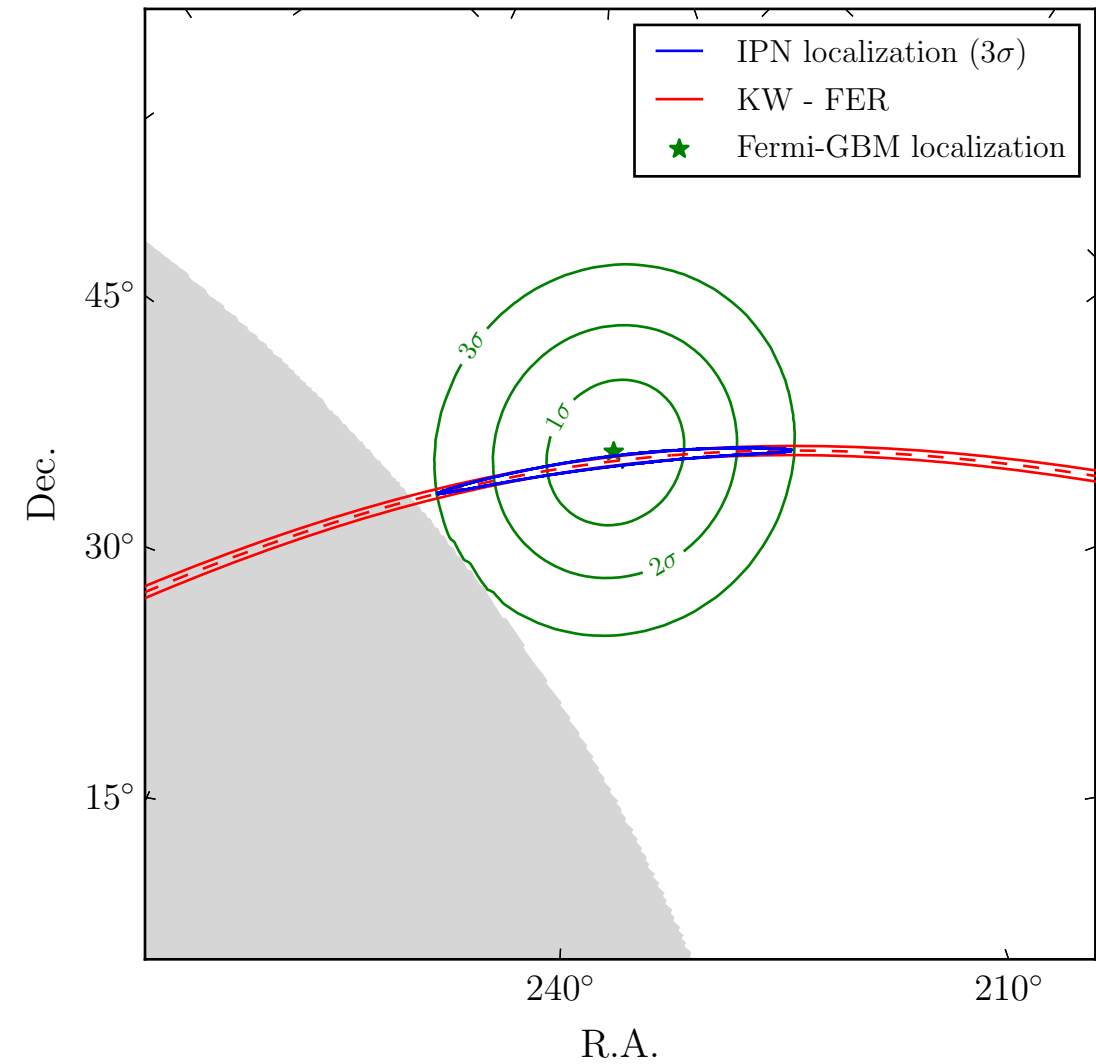
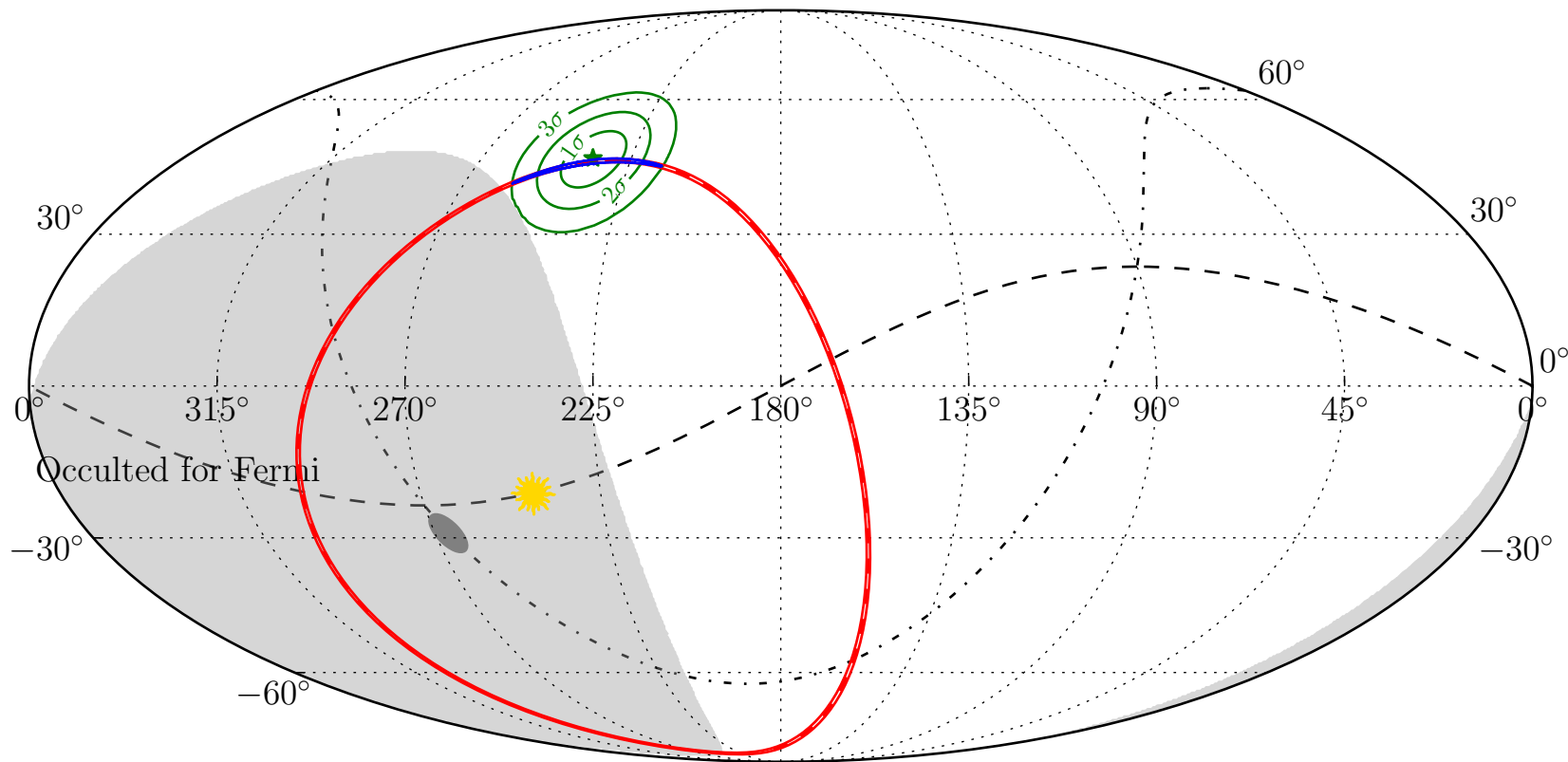


Parameters of IPN annuli

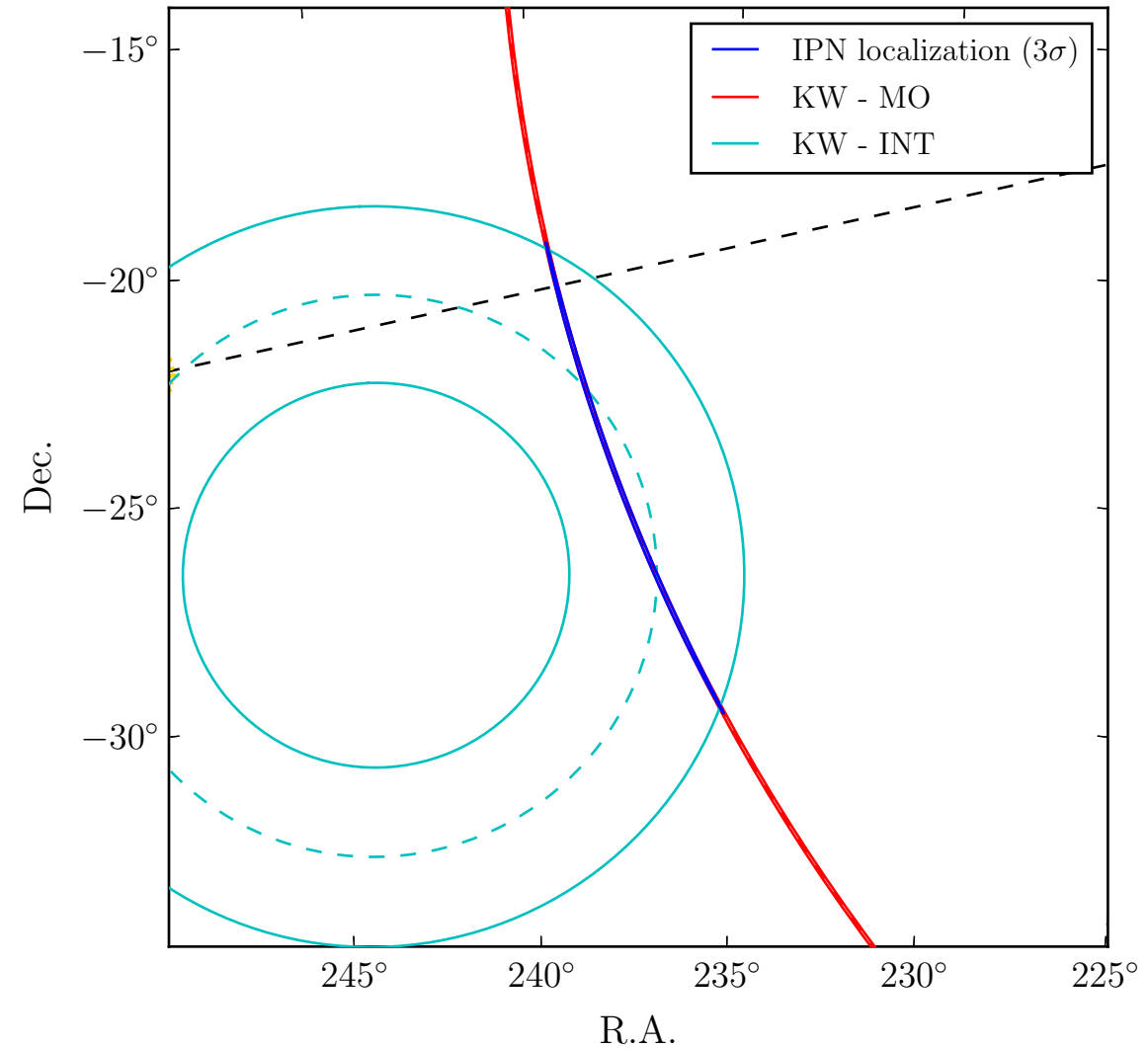
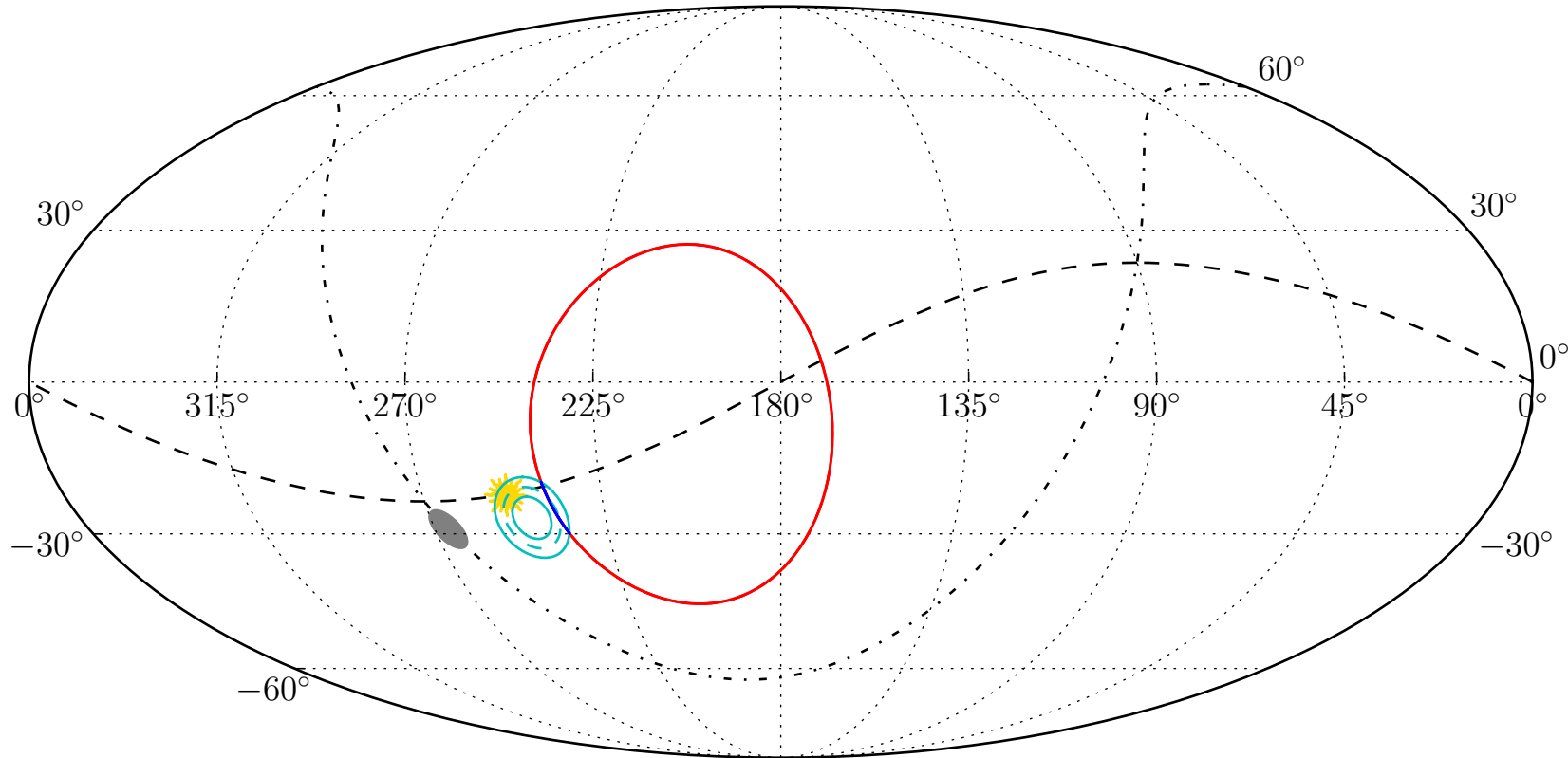
Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	21.2327	8.3667	84.8192	0.0605
FER - SWI	282.4455	83.5918	62.6591	17.3989



GRB171126A (2017-11-26  $T_0=20322.007$  s, UT)



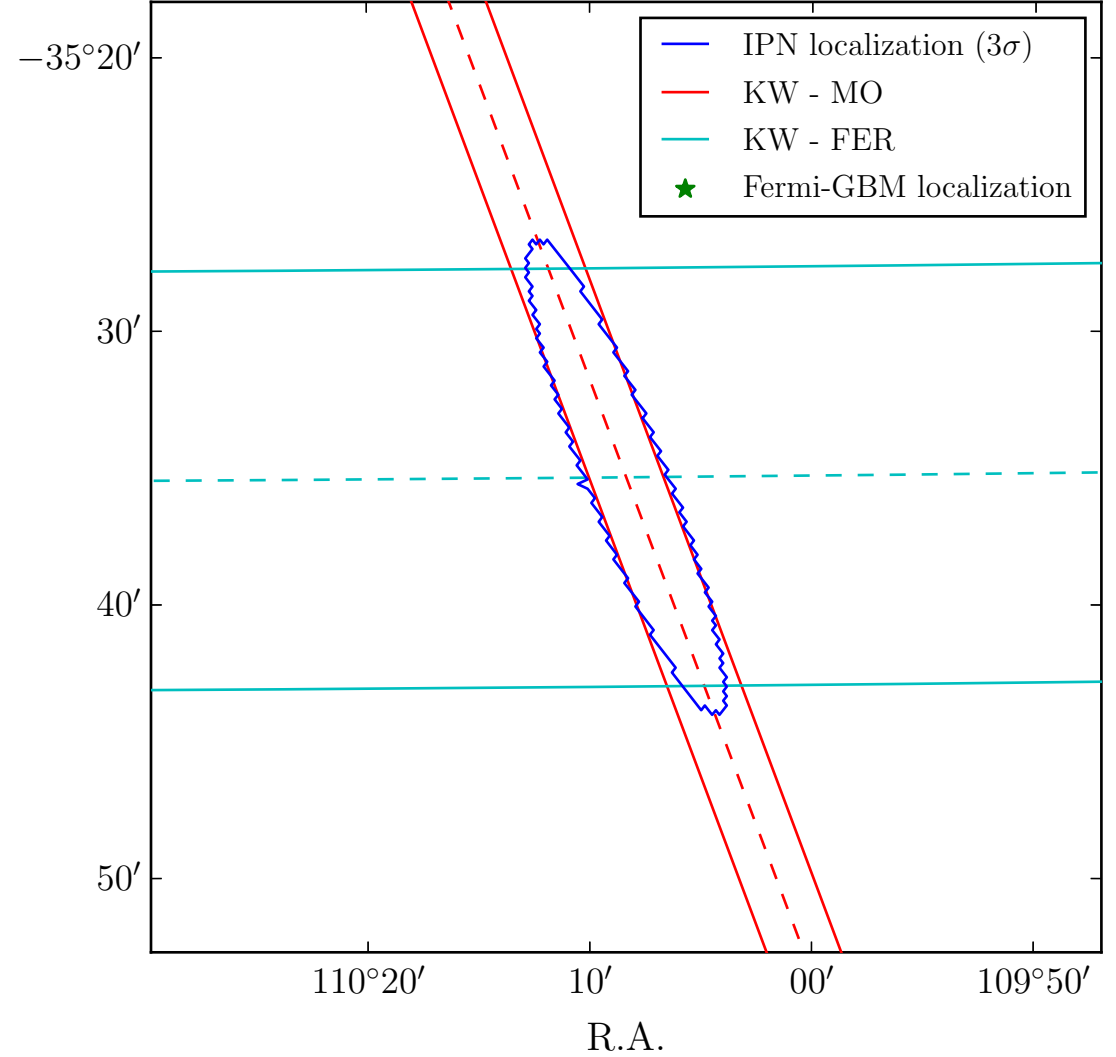
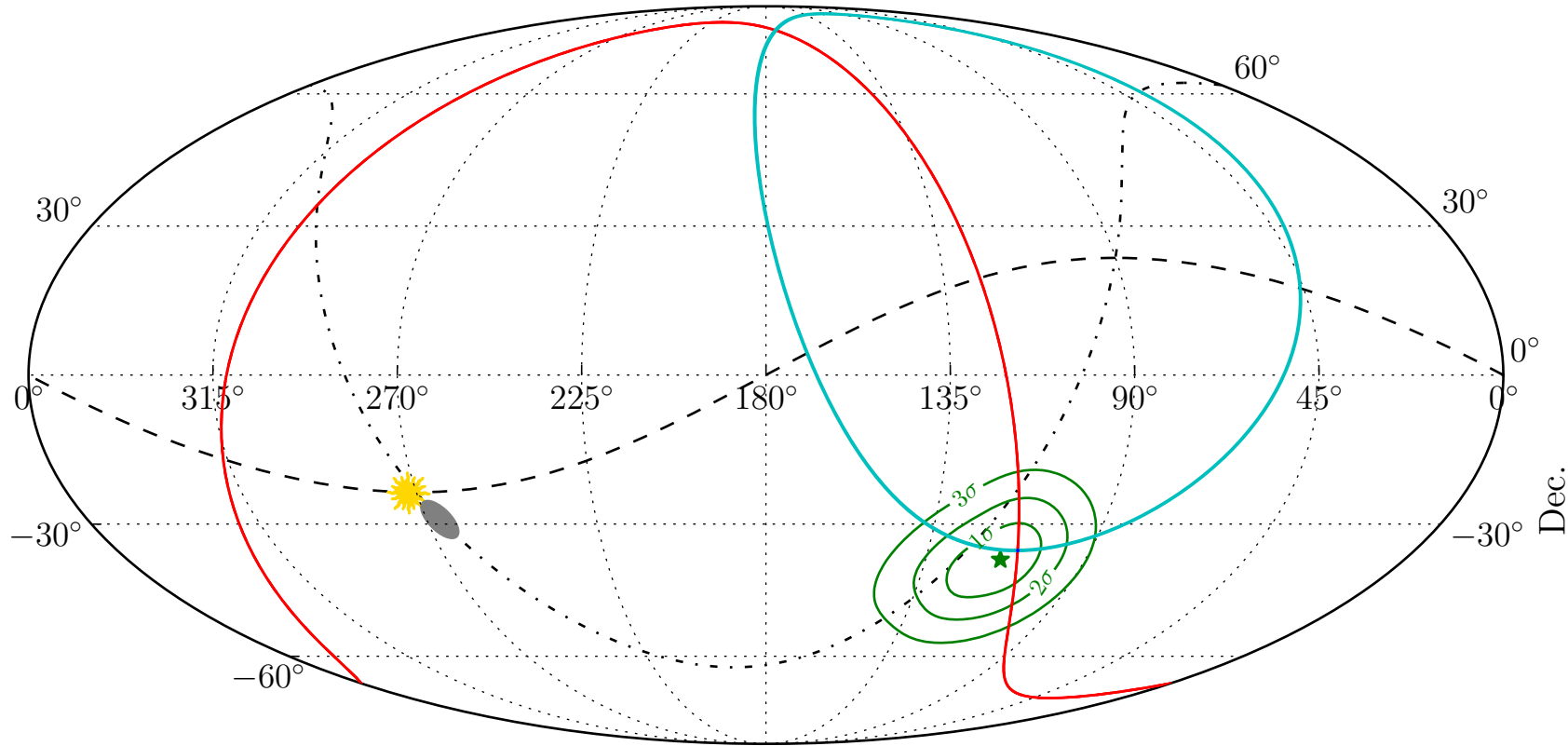
GRB20171202\_T66819 (2017-12-02  $T_0=66819.849$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	203.9876	-8.8595	36.0069	0.0336
KW - INT	243.9062	-26.7752	6.2345	1.9582

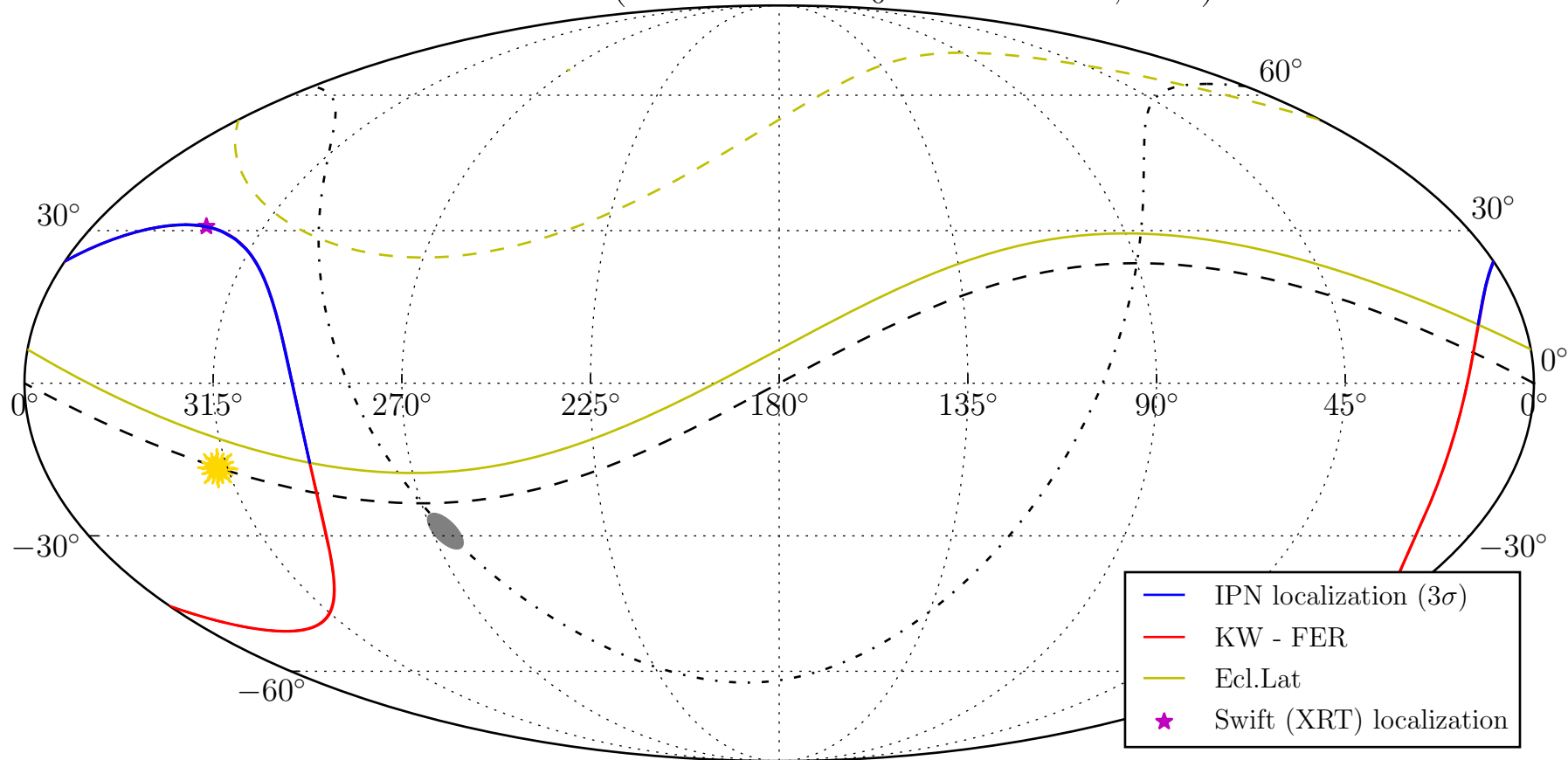
# GRB171223A (2017-12-23 T<sub>0</sub>=70697.291 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	36.5132	13.4480	84.9735	0.0213
KW - FER	110.6271	24.8228	60.4140	0.1275

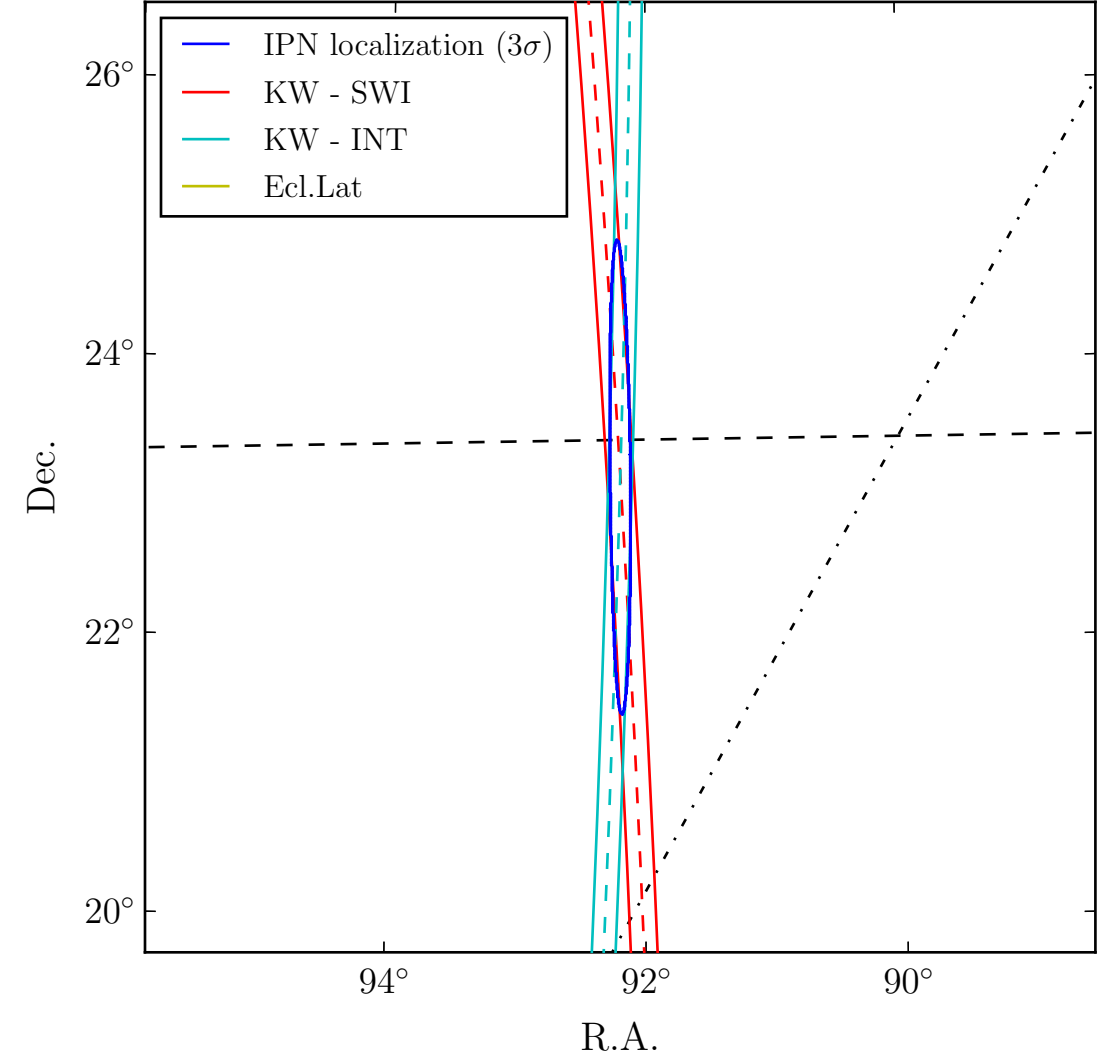
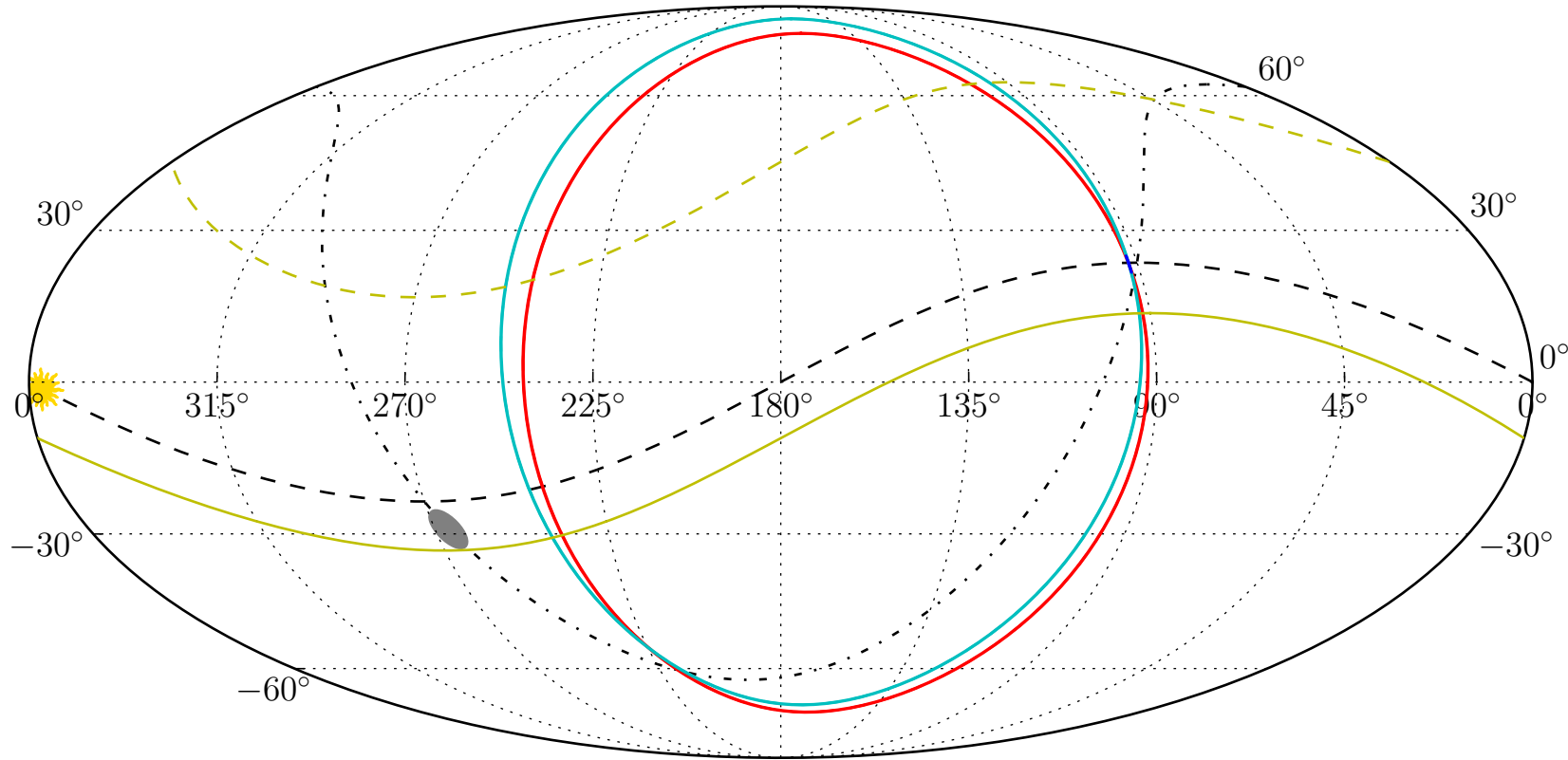
# GRB180204A (2018-02-04 $T_0=9372.902$ s, UT)



Parameters of IPN annuli

Instrument	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width, deg
KW - FER	336.0065	-9.6354	40.8317	0.0558
Ecl.Lat	270.0000	66.5610	42.0000	42.0000

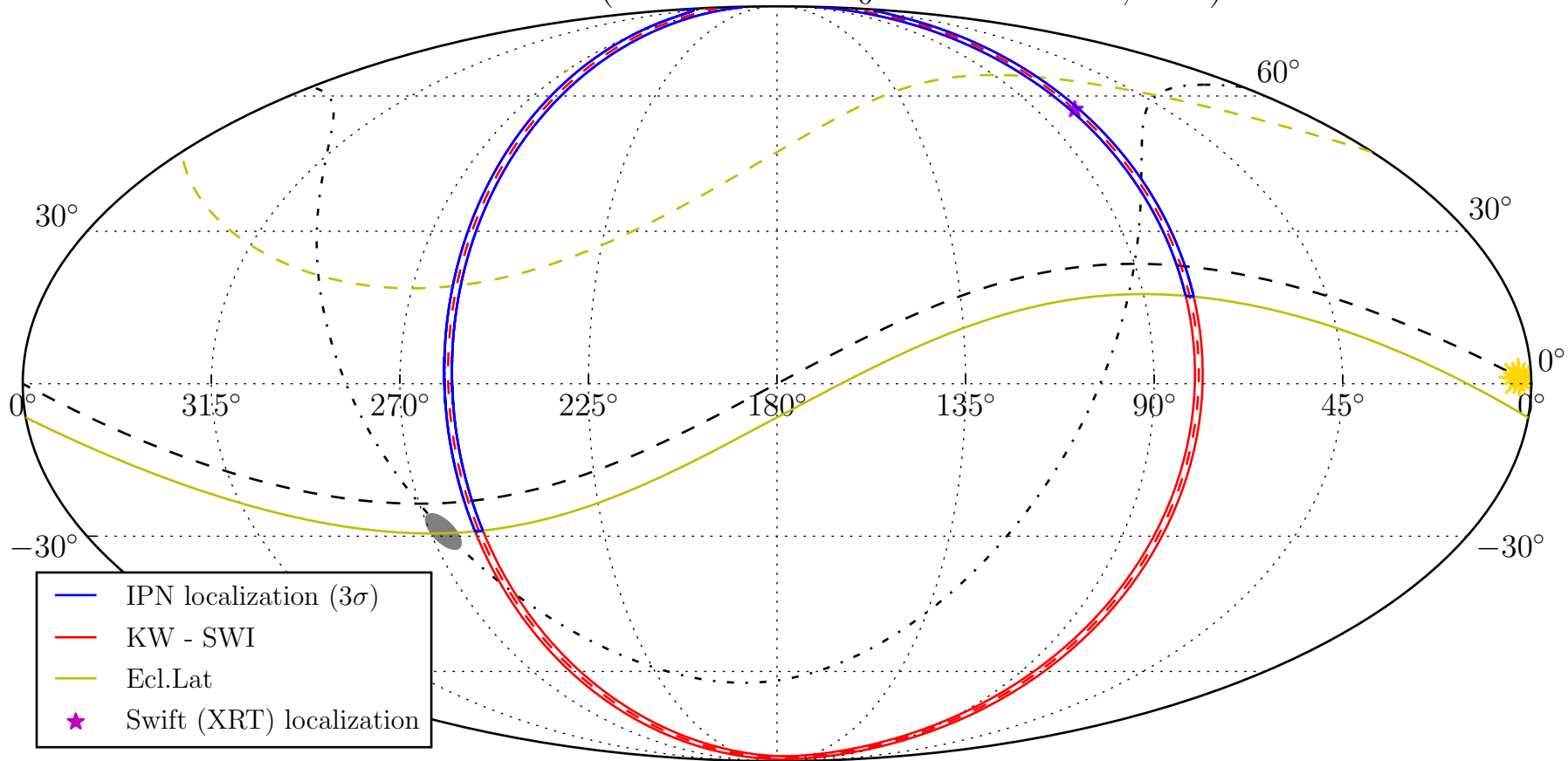
# GRB180317A (2018-03-17 $T_0=61287.097$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	166.8829	2.9538	74.7664	0.0961
KW - INT	170.2544	6.7278	76.4077	0.0853
Ecl.Lat	270.0000	66.5610	50.0000	50.0000

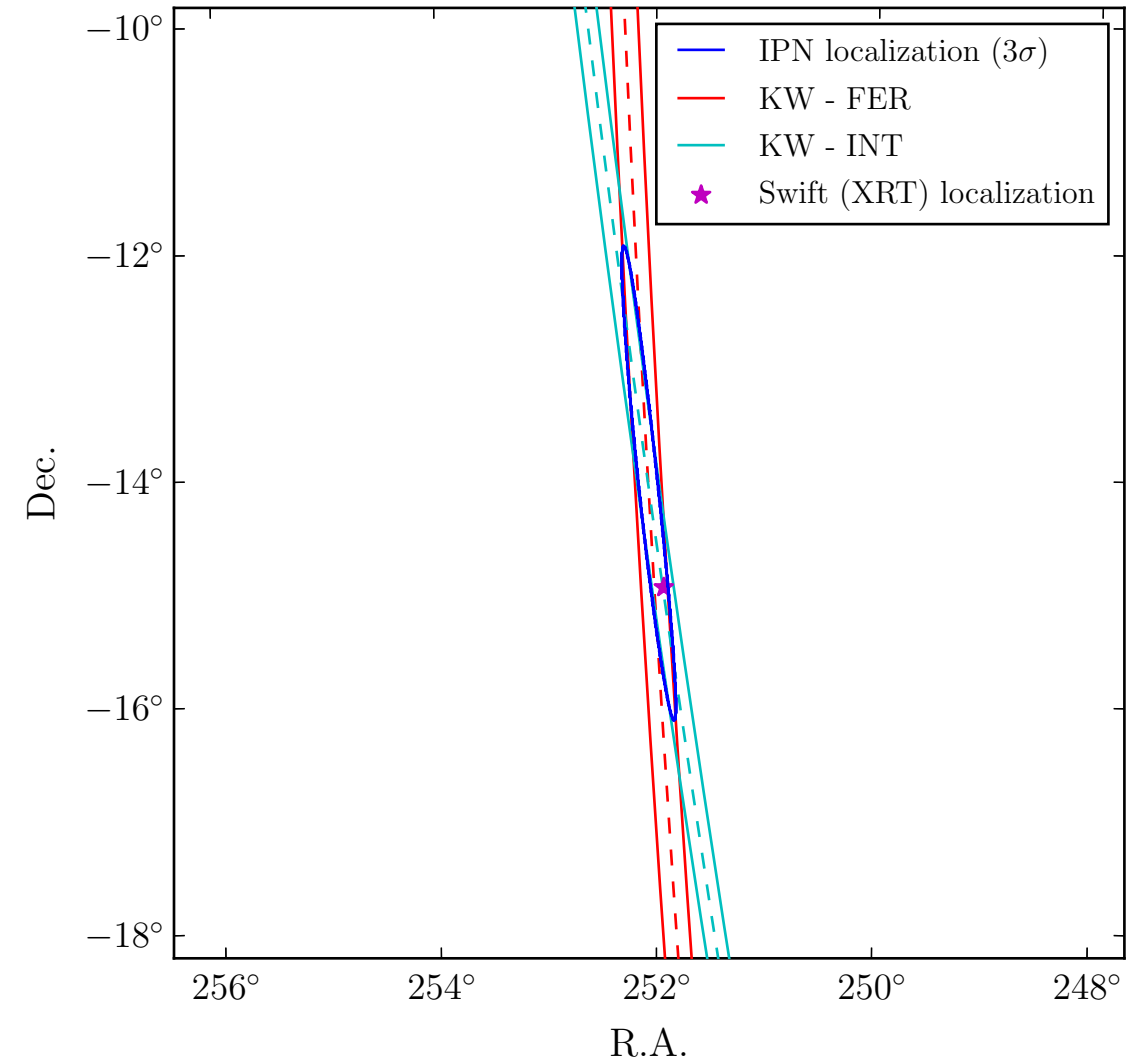
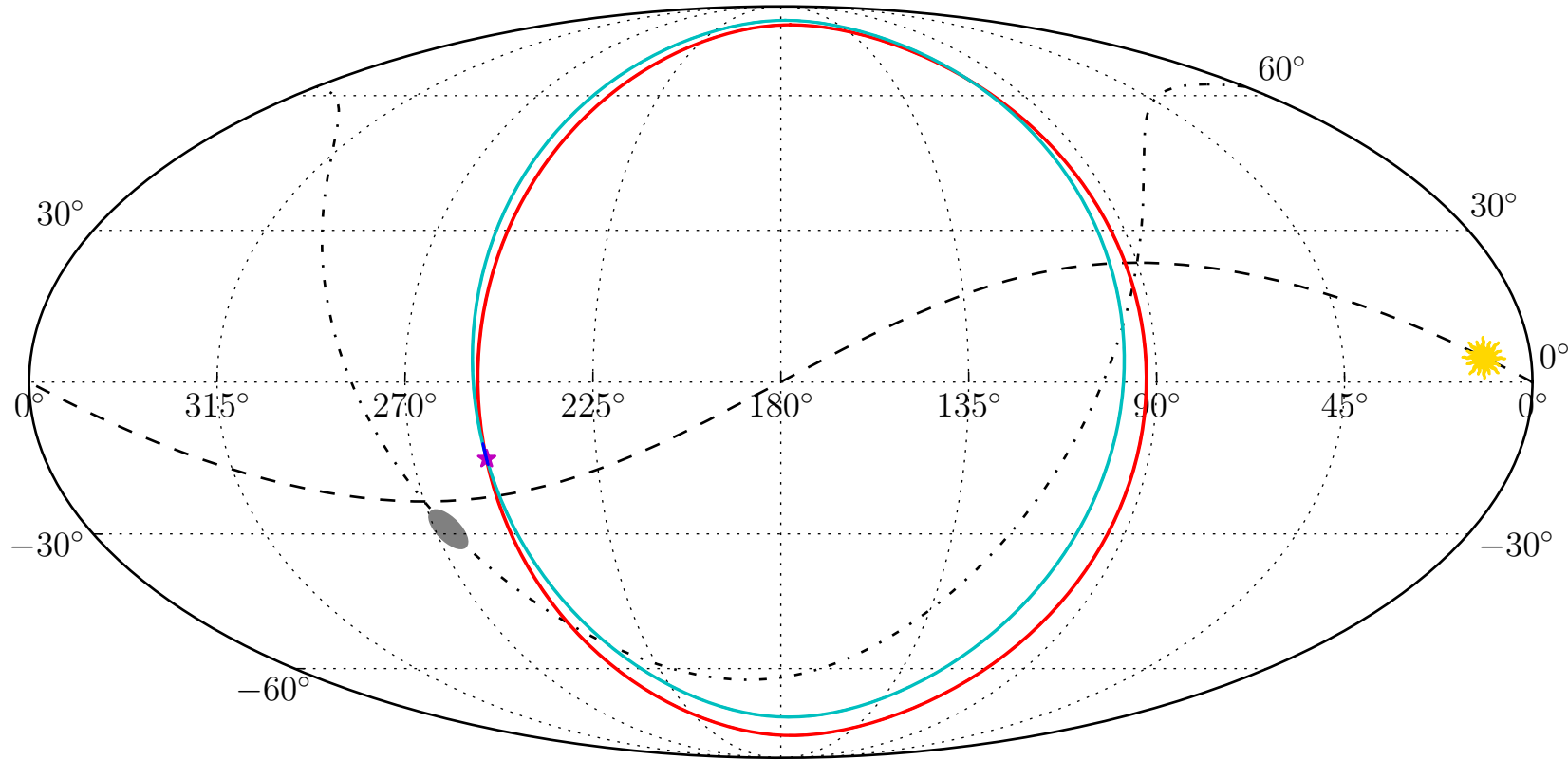
# GRB180324A (2018-03-24 $T_0=16629.939$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	348.9133	-2.0605	90.4600	0.9200
Ecl.Lat	270.0000	66.5610	48.0000	48.0000

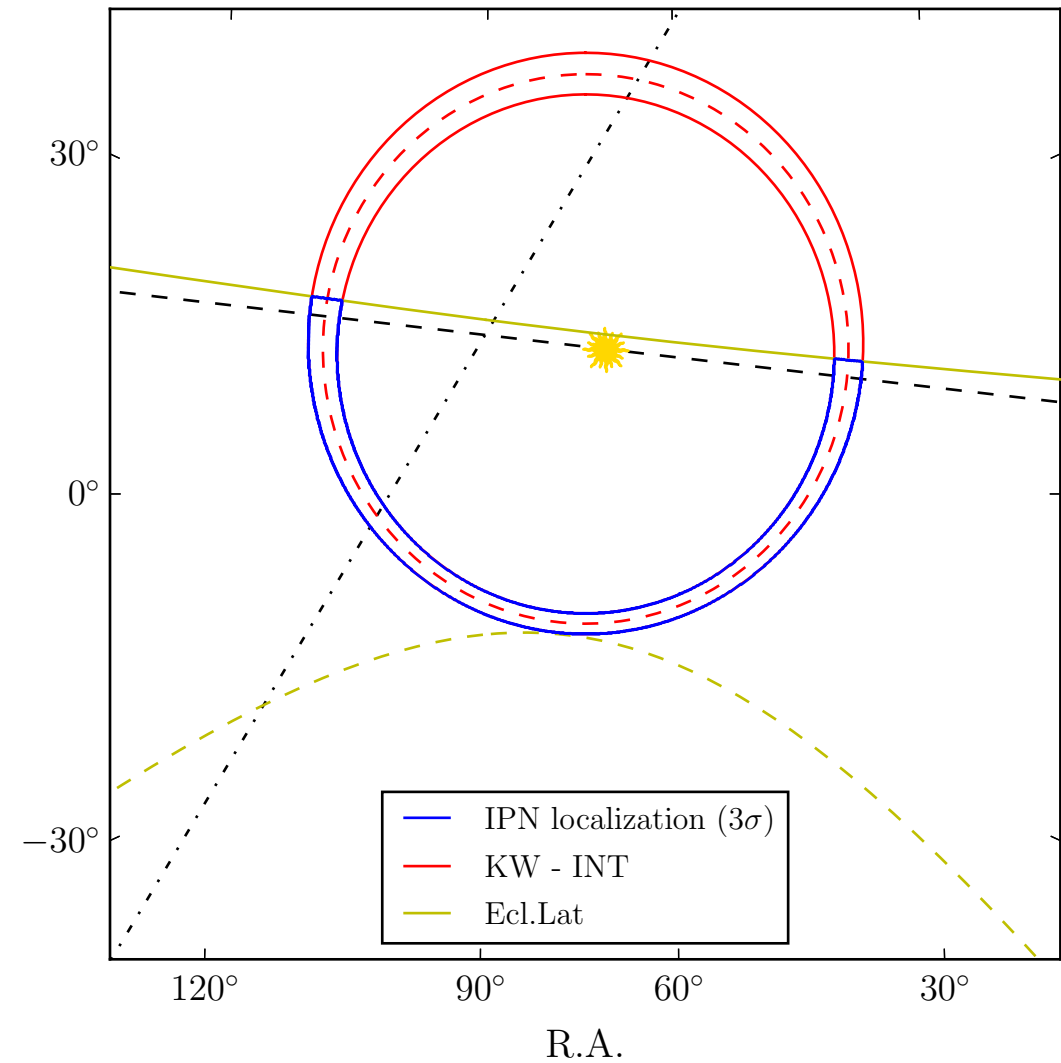
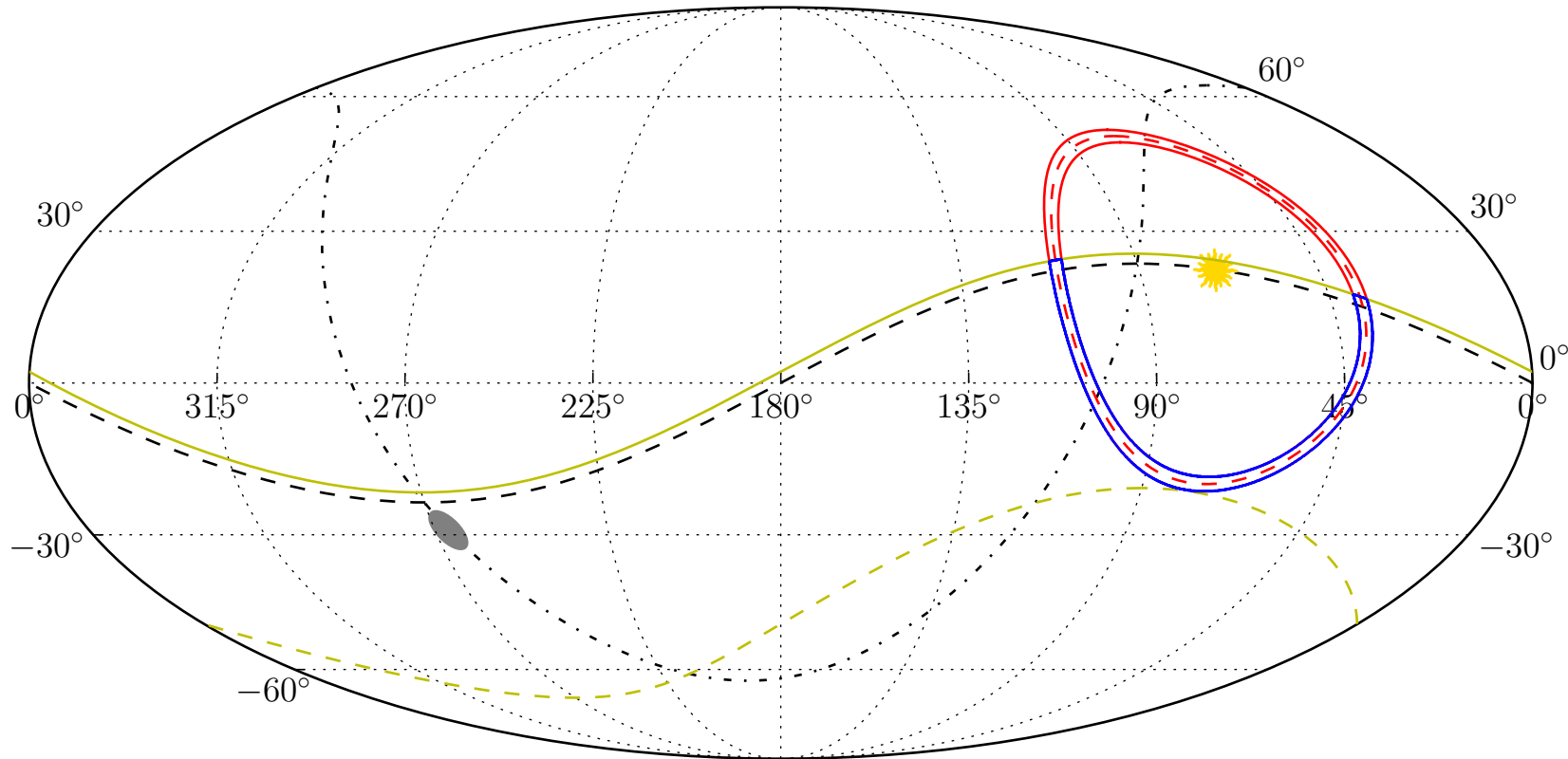
# GRB180402A (2018-04-02 $T_0=35100.353$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	172.5068	0.7055	80.0597	0.1174
KW - INT	175.7837	4.5969	77.8978	0.0961

GRB20180603\_T20386 (2018-06-03  $T_0=20386.848$  s, UT)

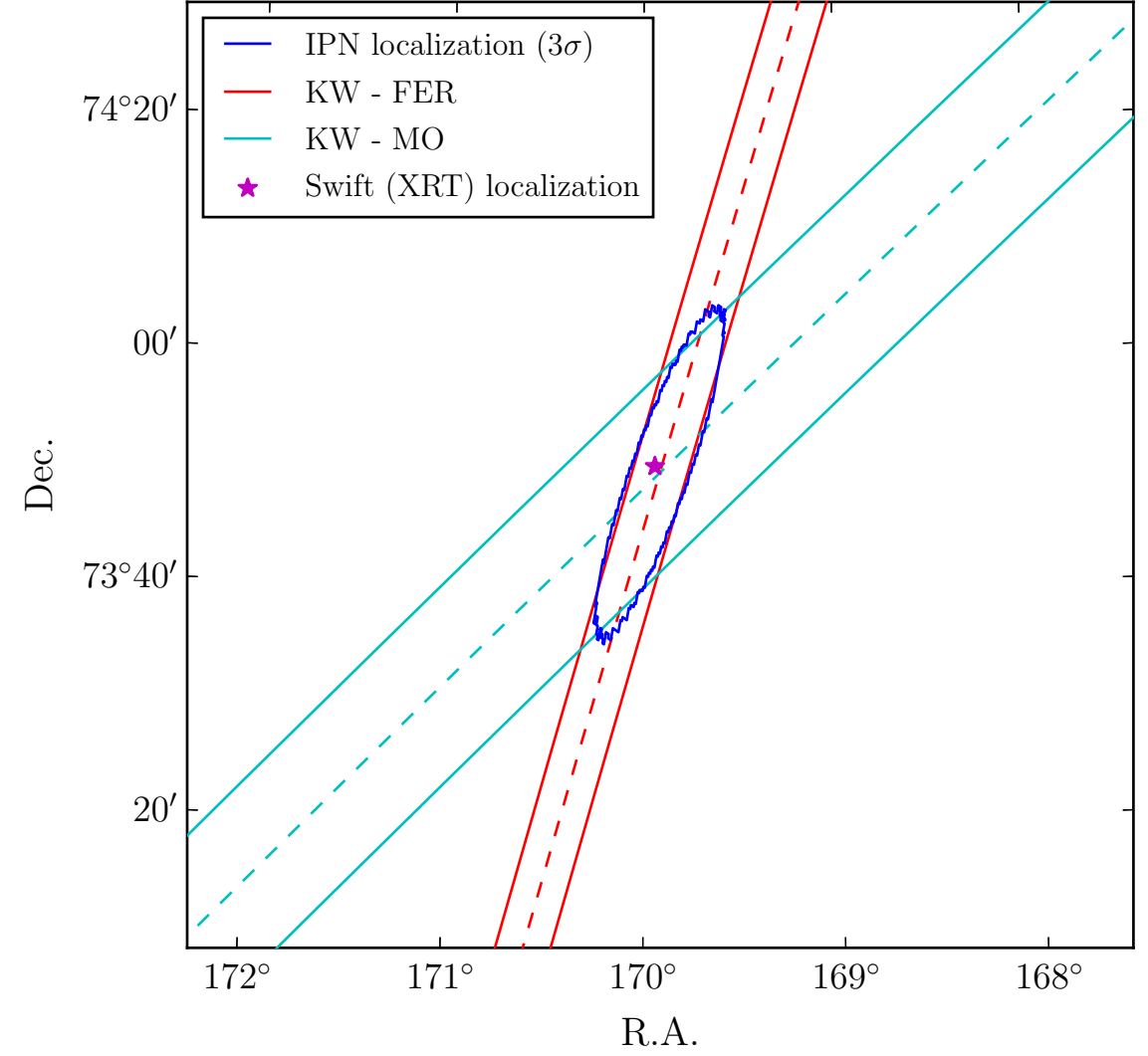
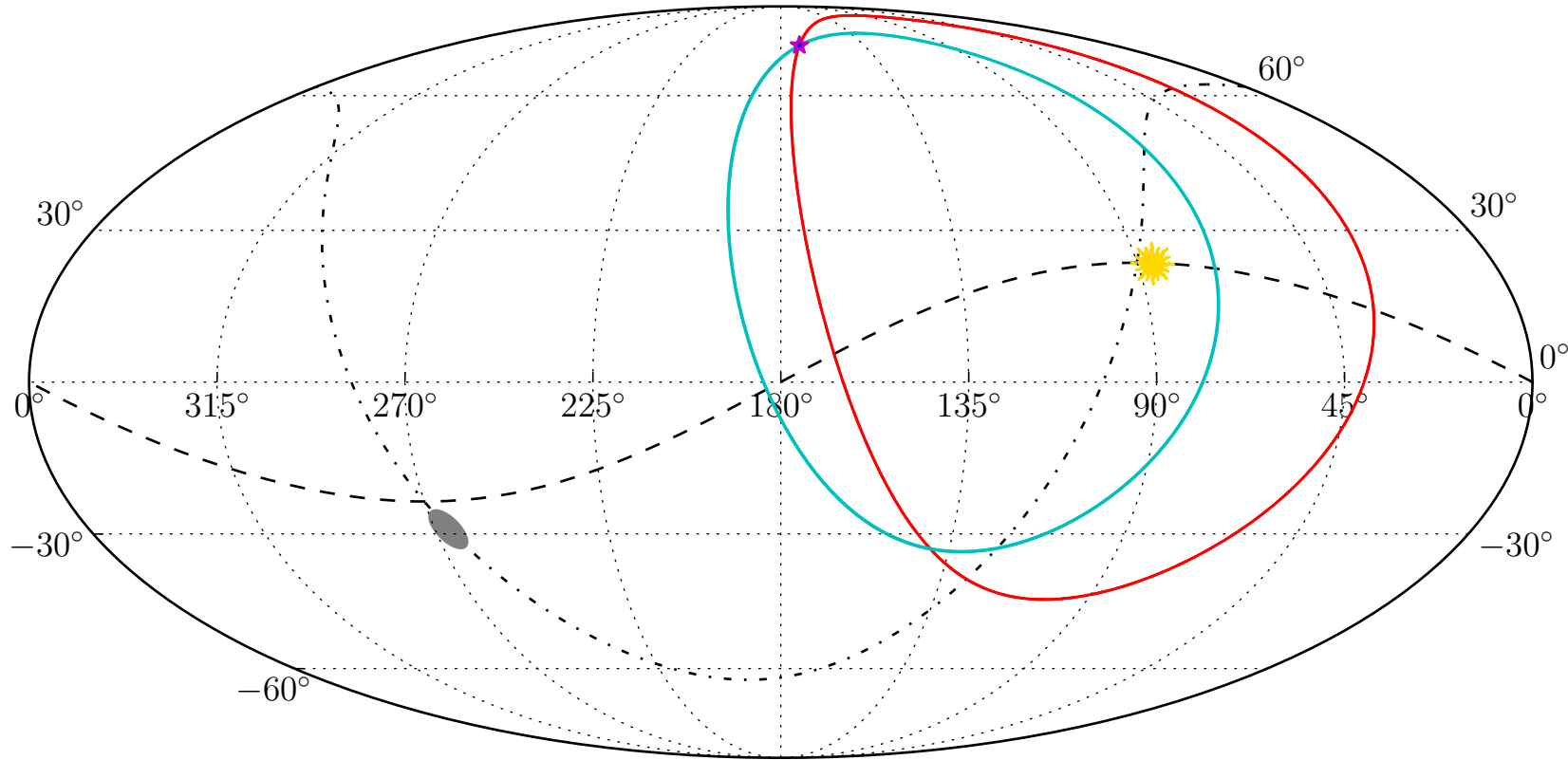


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	74.1267	15.3784	35.1571	1.4380
Ecl.Lat	270.0000	66.5610	134.0000	46.0000



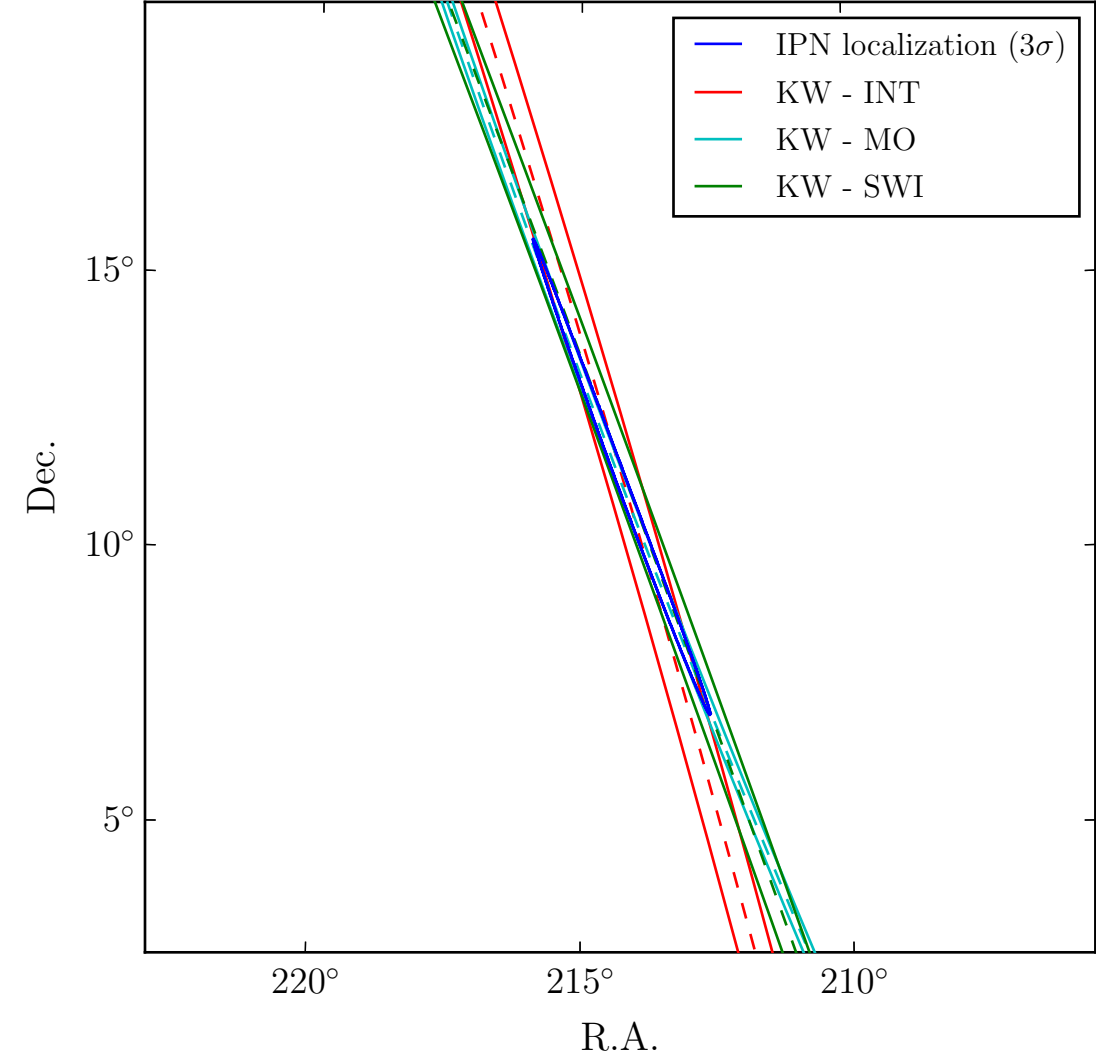
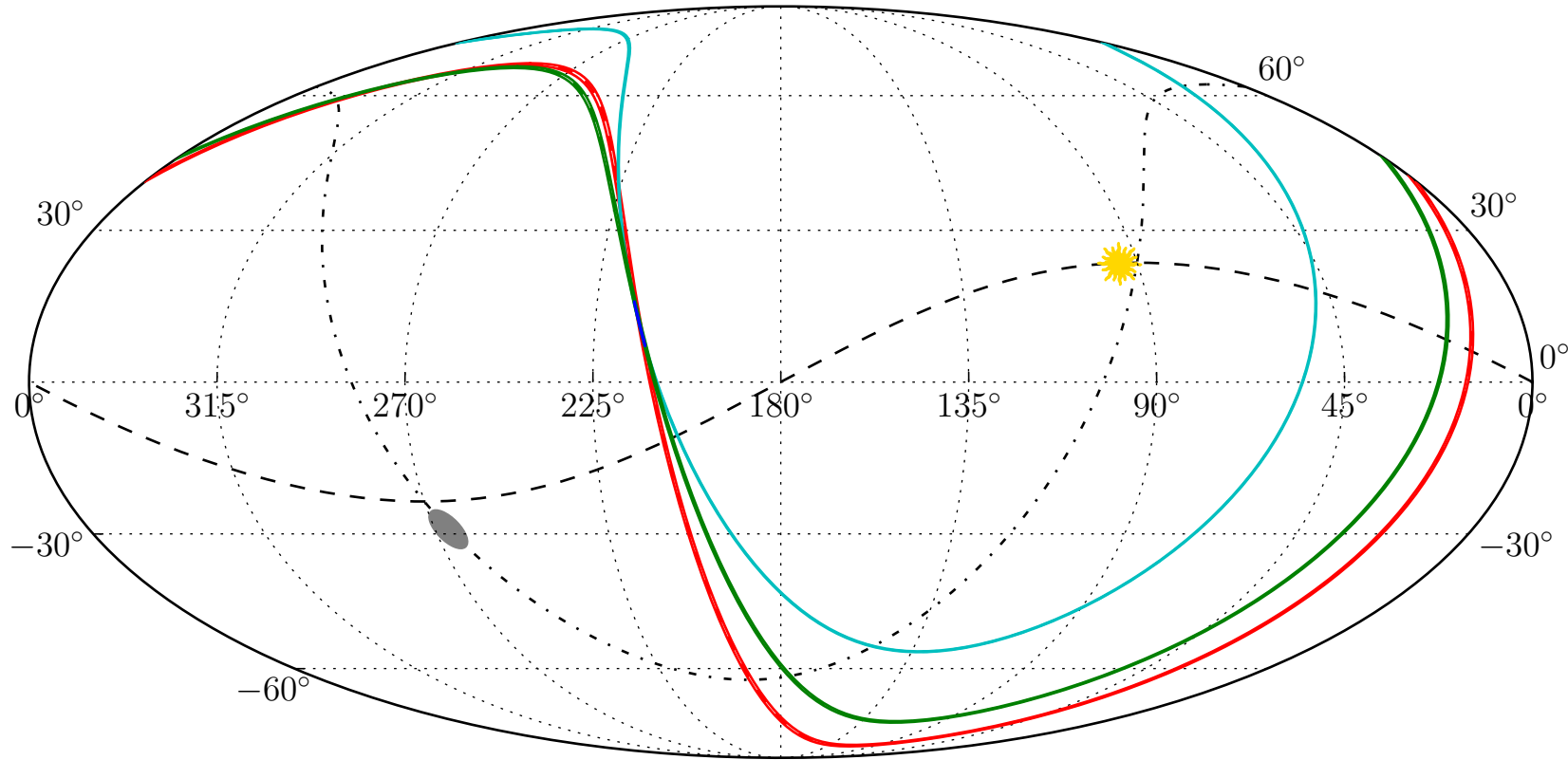
# GRB180618A (2018-06-18 $T_0=2591.201$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	102.7015	20.3291	64.2269	0.0382
KW - MO	131.5471	22.0515	55.7380	0.1021

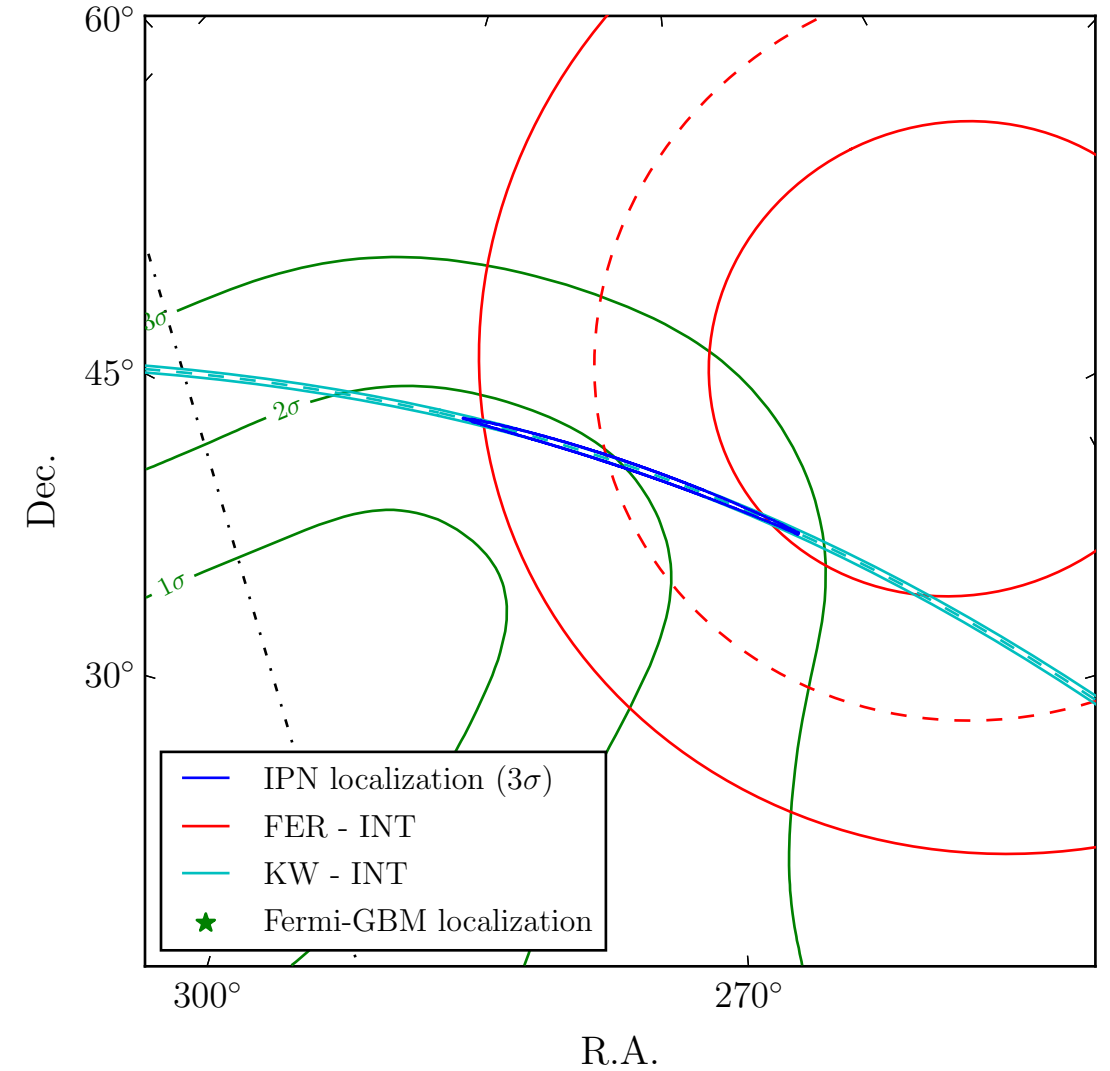
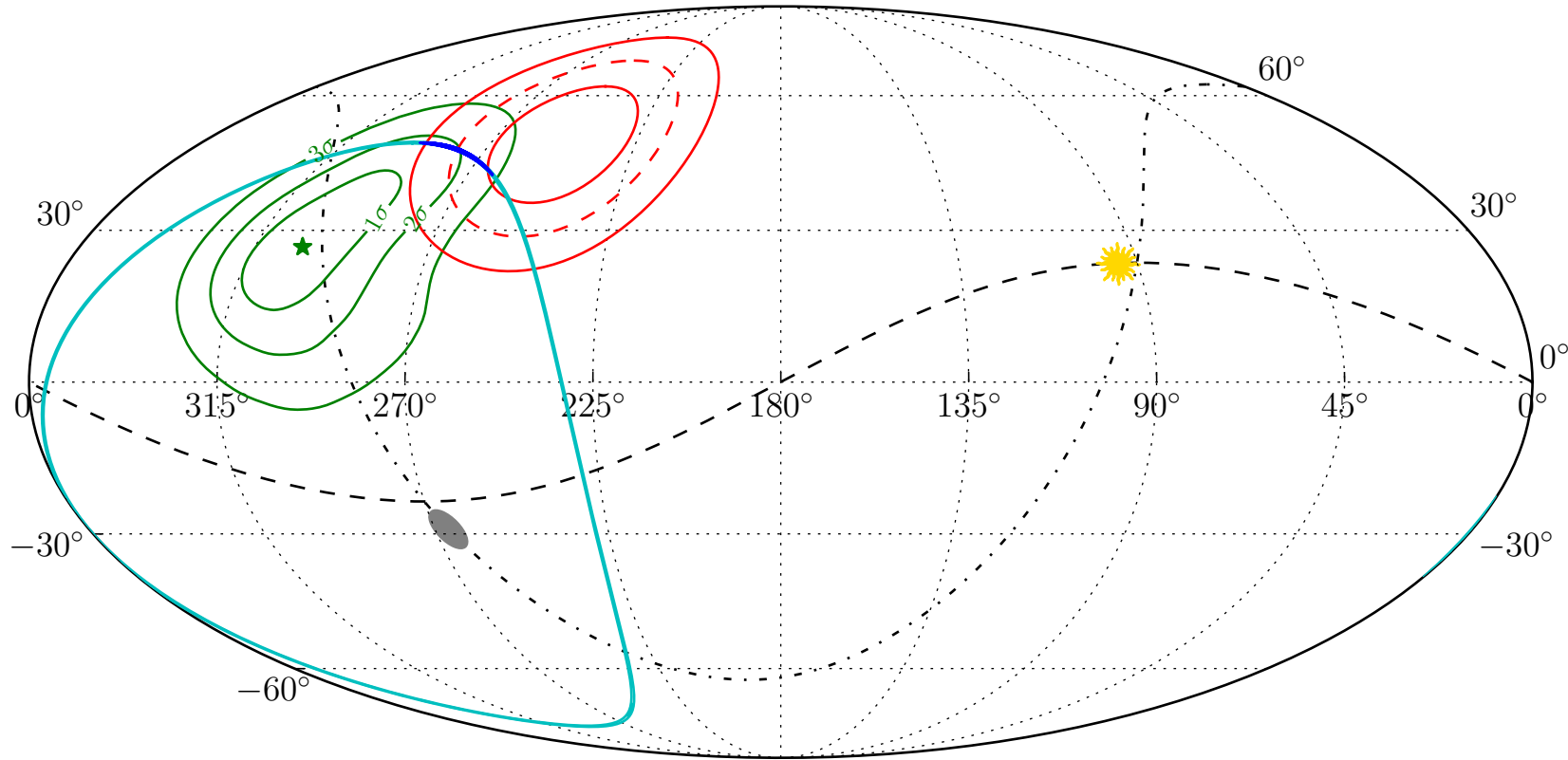
# GRB180626B (2018-06-26 $T_0=6442.786$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	293.4027	-14.2455	82.5316	0.3019
KW - MO	132.3912	22.4256	78.2952	0.0938
KW - SWI	296.2774	-18.8535	86.3415	0.2320

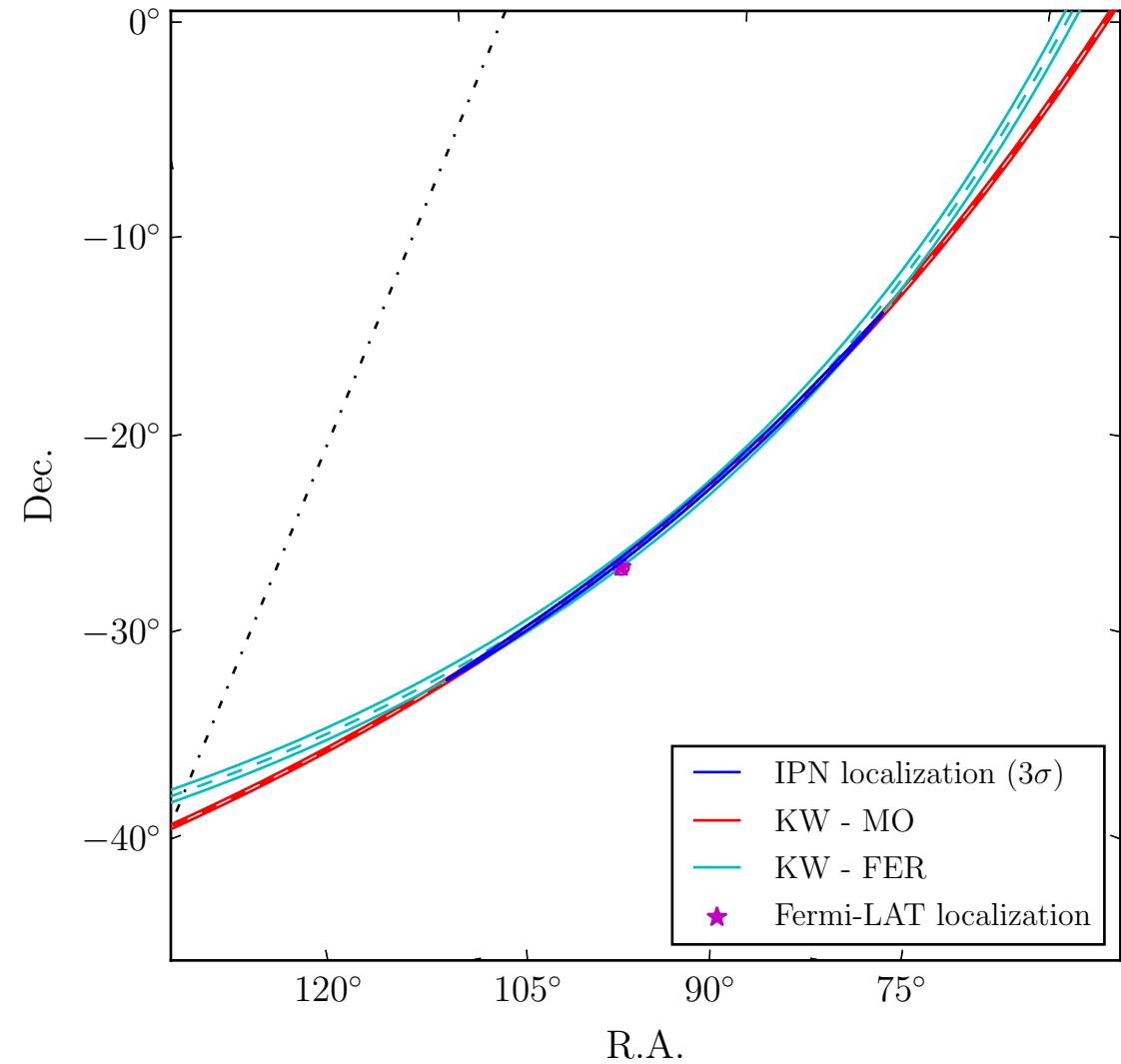
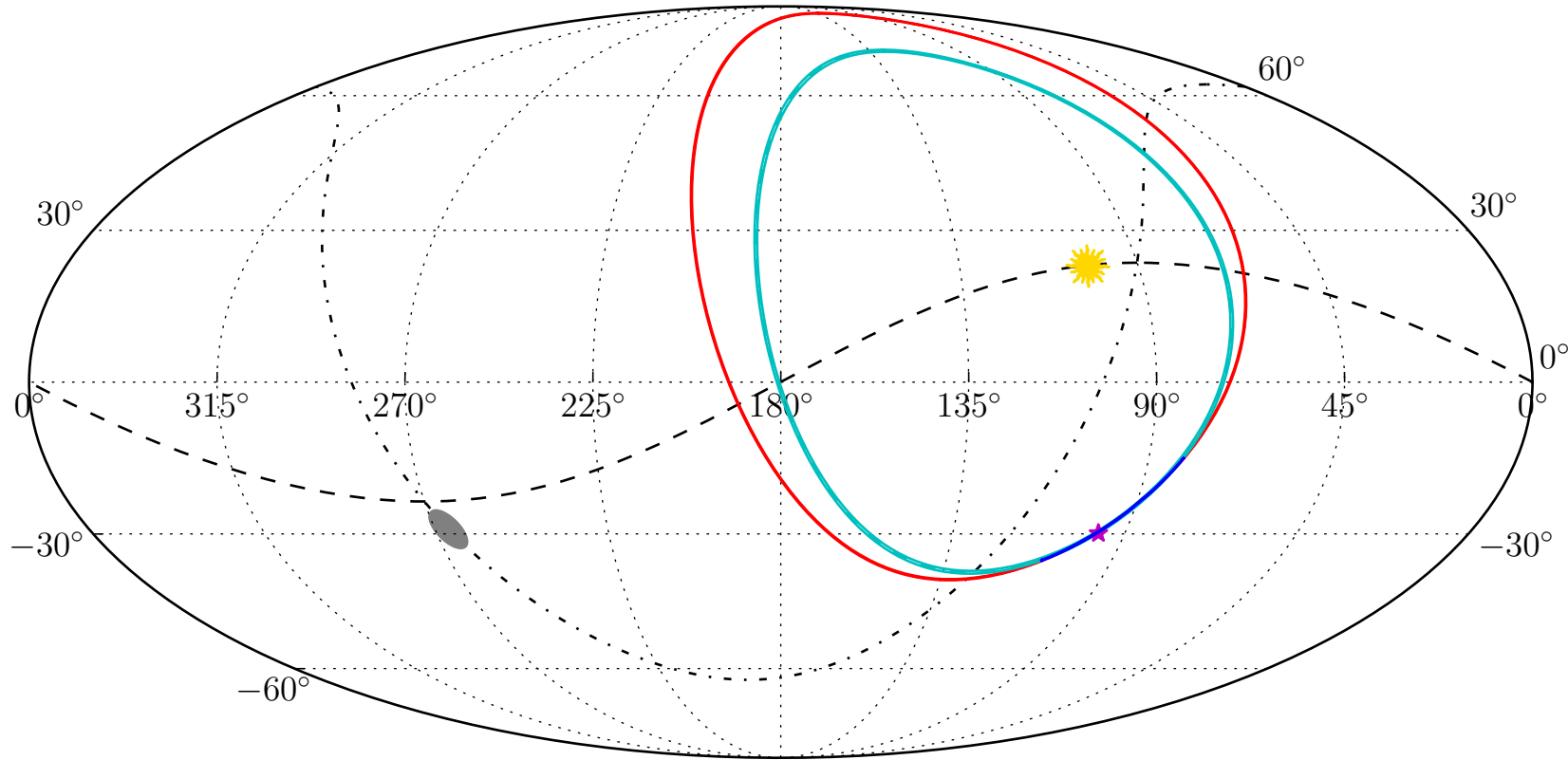
# GRB180626C (2018-06-26 $T_0=33832.424$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - INT	248.0464	49.0279	20.3169	6.9841
KW - INT	294.1987	-13.6915	62.5174	0.1869

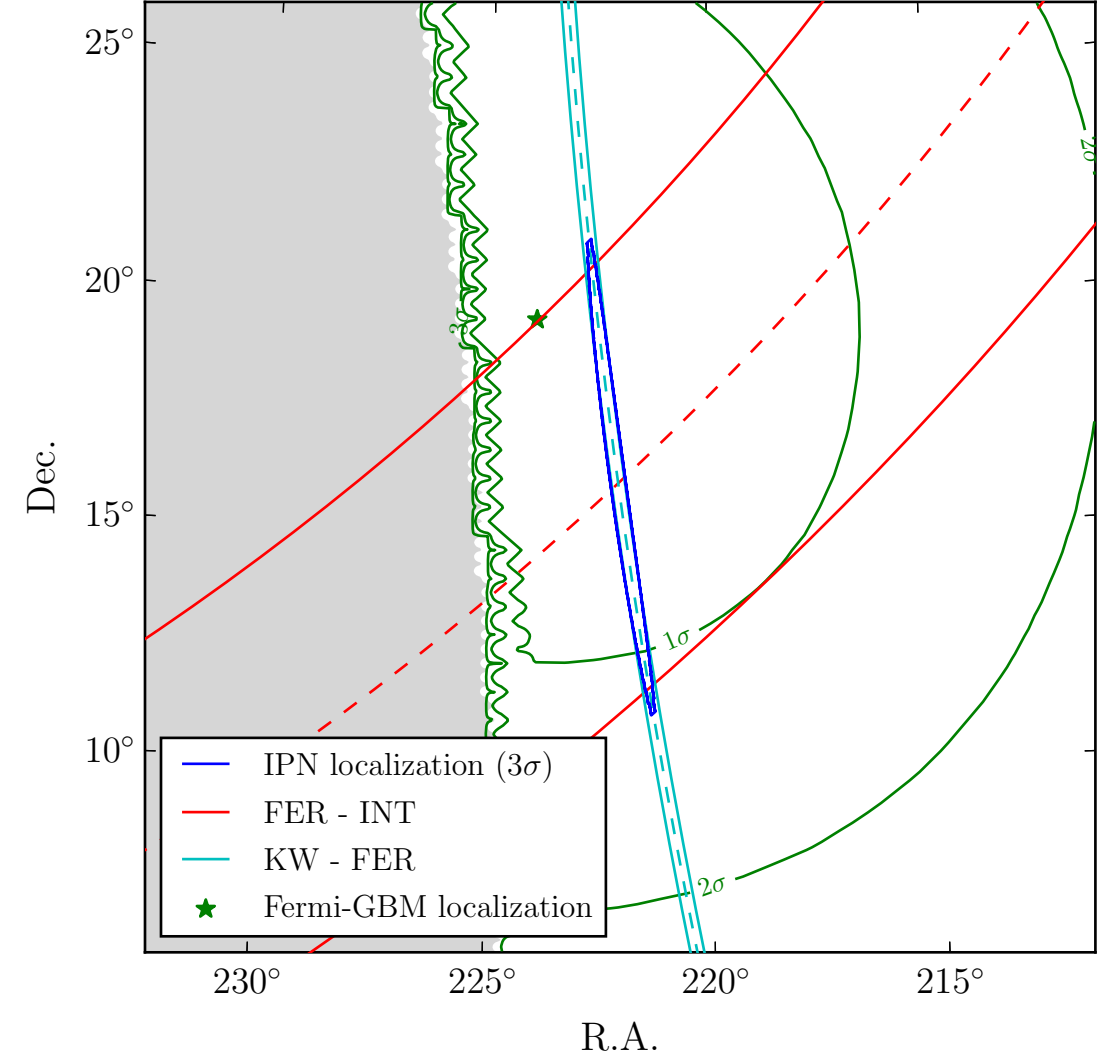
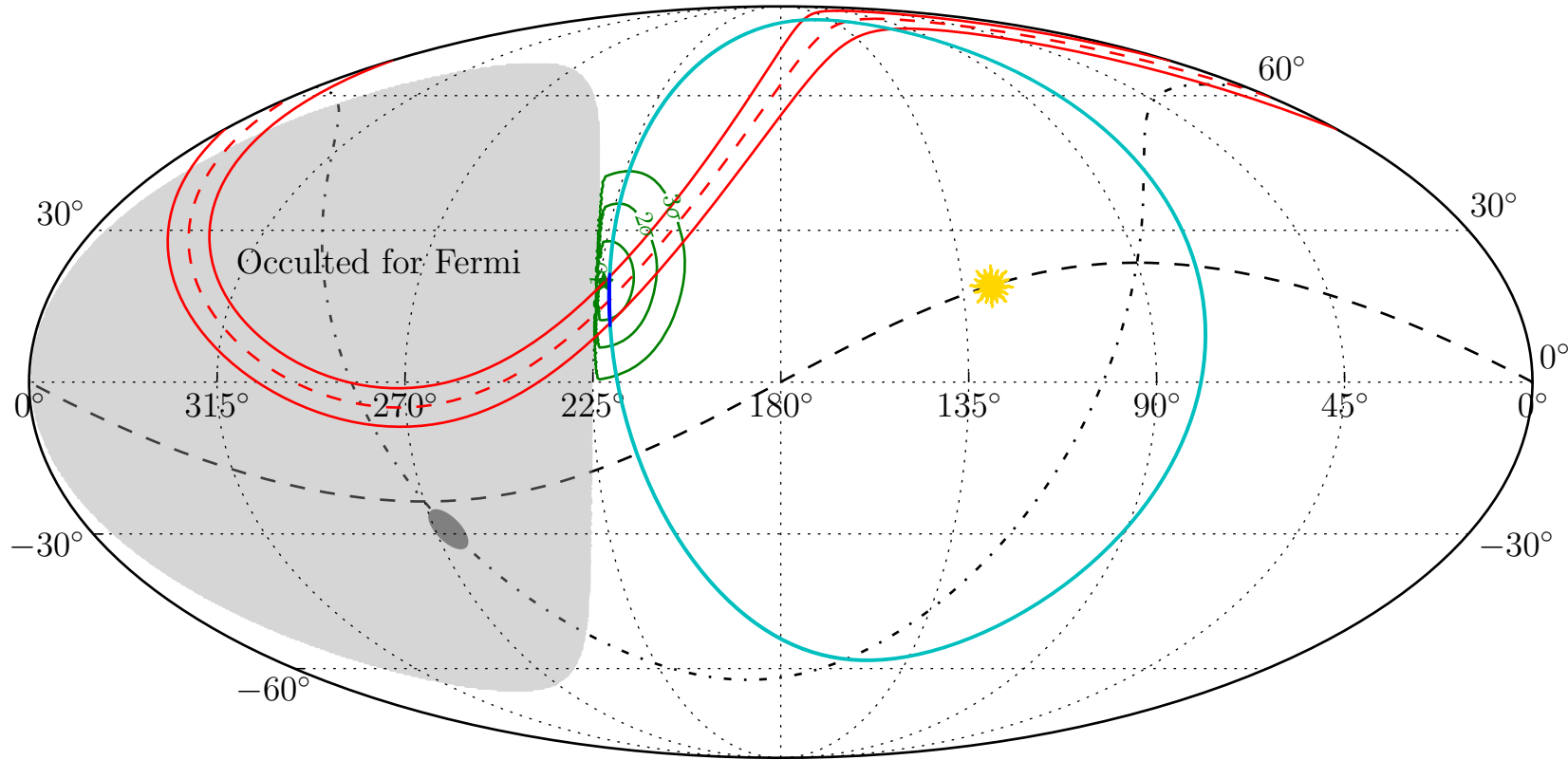
# GRB180703B (2018-07-03 $T_0=82008.633$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	132.4338	23.0014	62.5972	0.1063
KW - FER	127.4092	17.0996	55.1068	0.2987

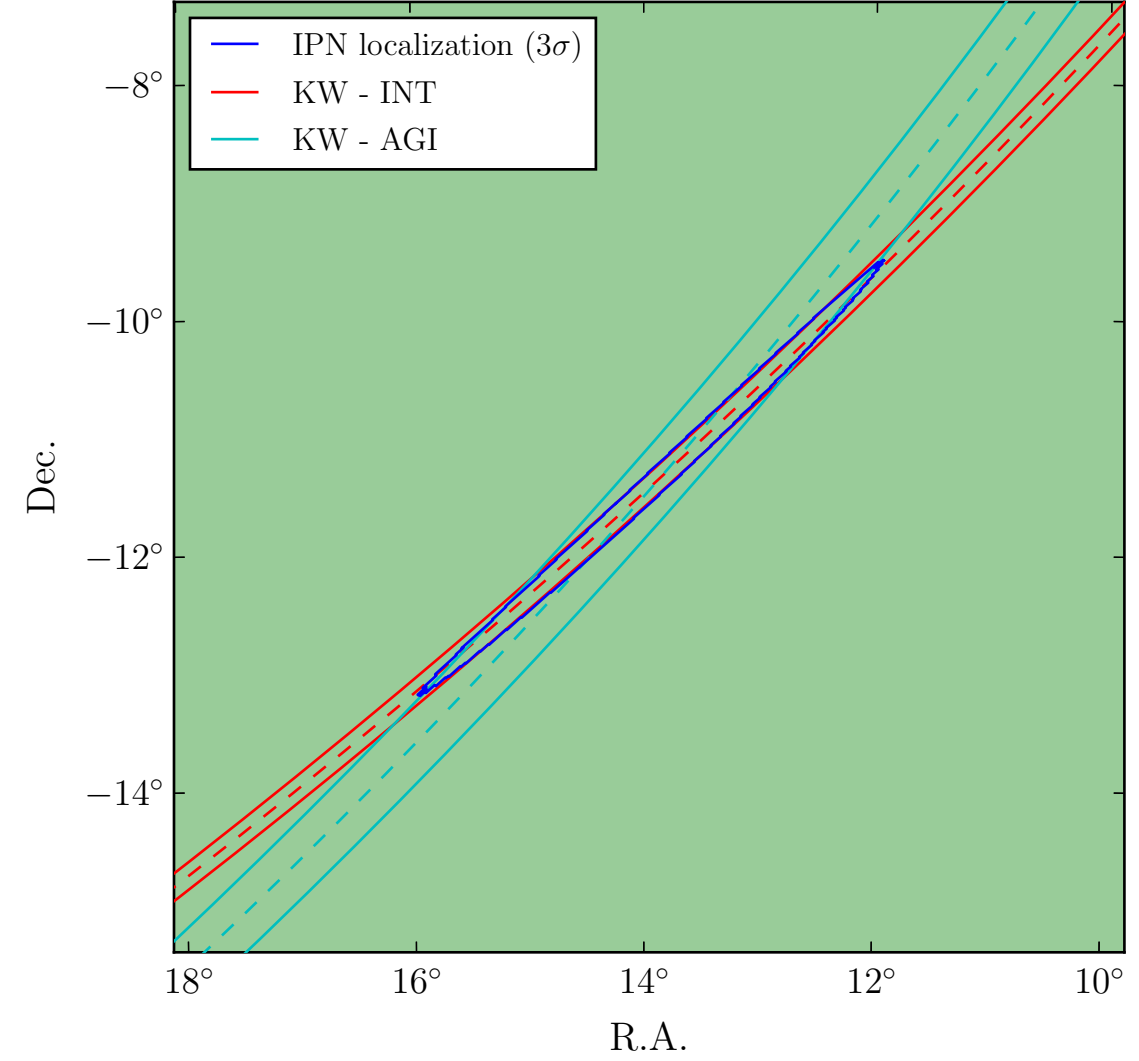
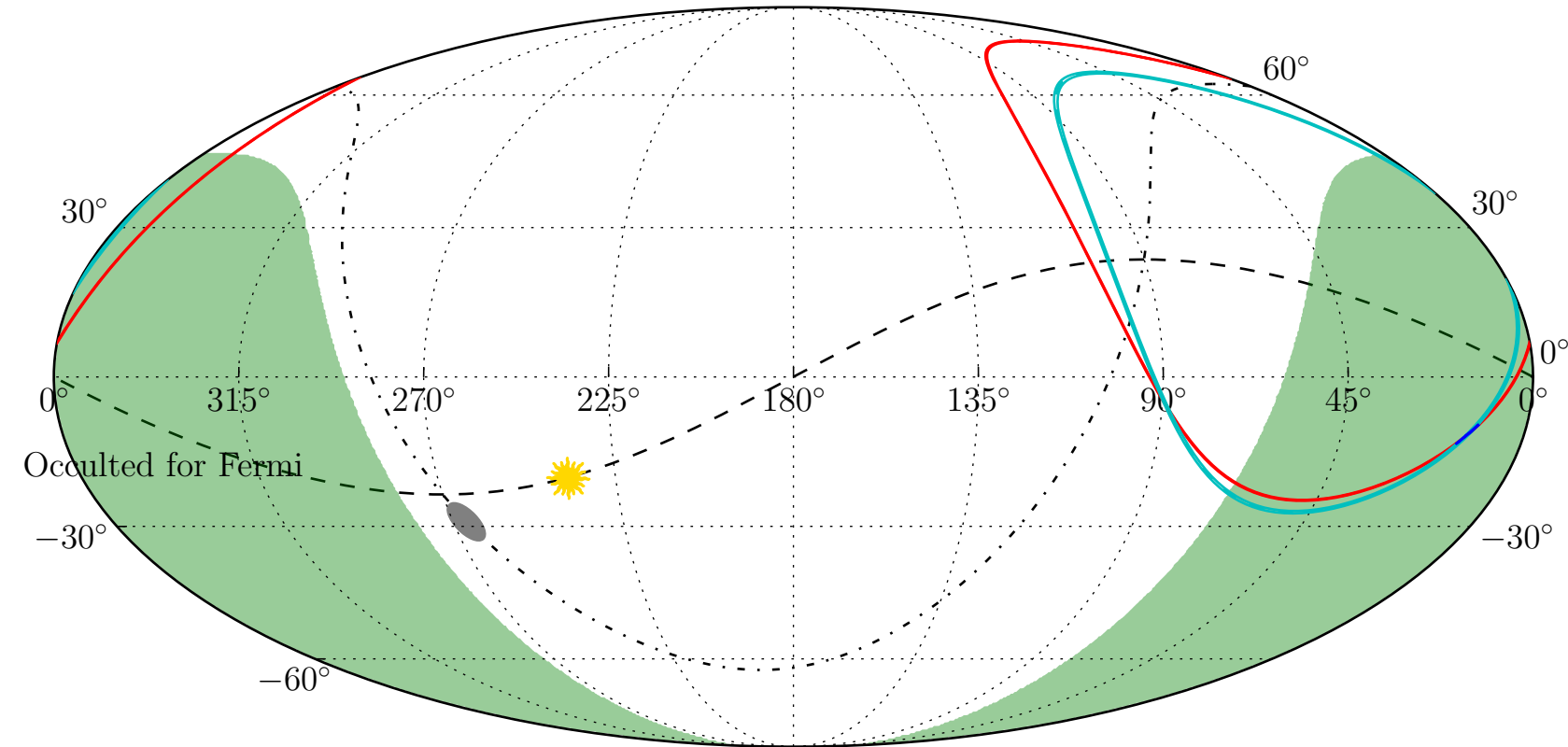
GRB180728B (2018-07-28  $T_0=76197.290$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - INT	271.6843	45.9632	50.9060	3.7439
KW - FER	149.2459	12.4135	70.3639	0.1455

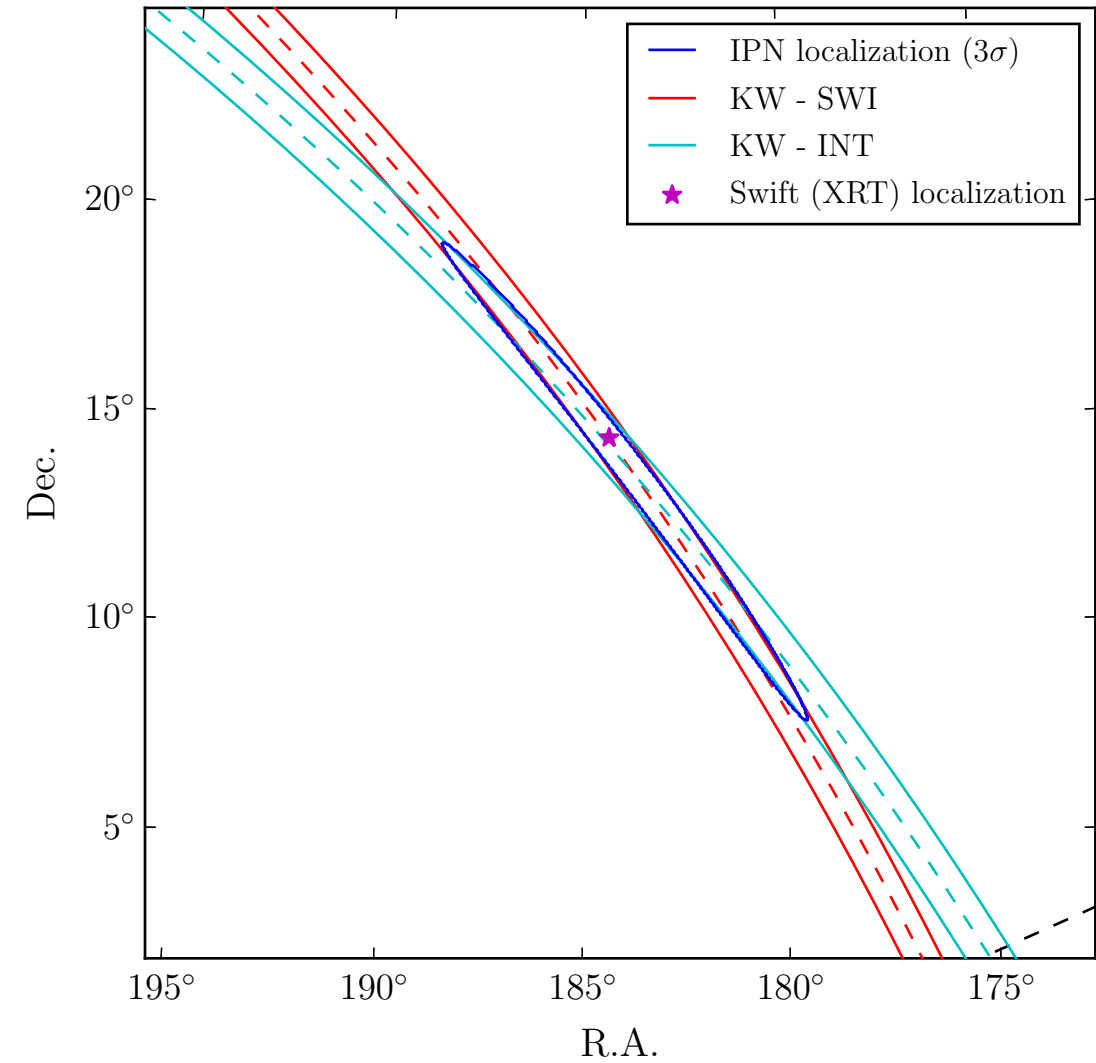
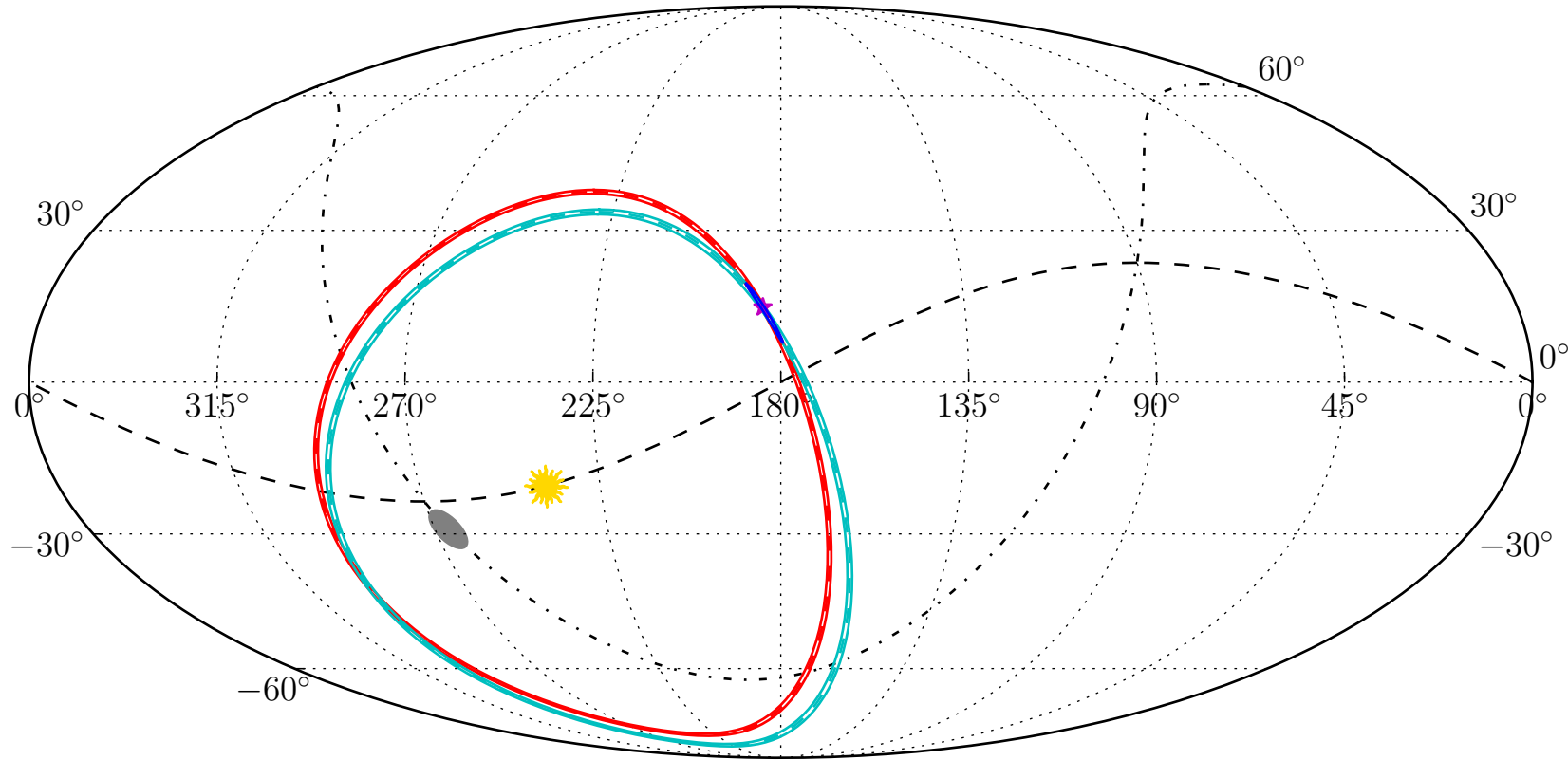
# GRB181121A (2018-11-21 T<sub>0</sub>=74619.153 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	48.6851	25.3244	49.9649	0.0926
KW - AGI	49.2383	19.4391	46.5057	0.2441

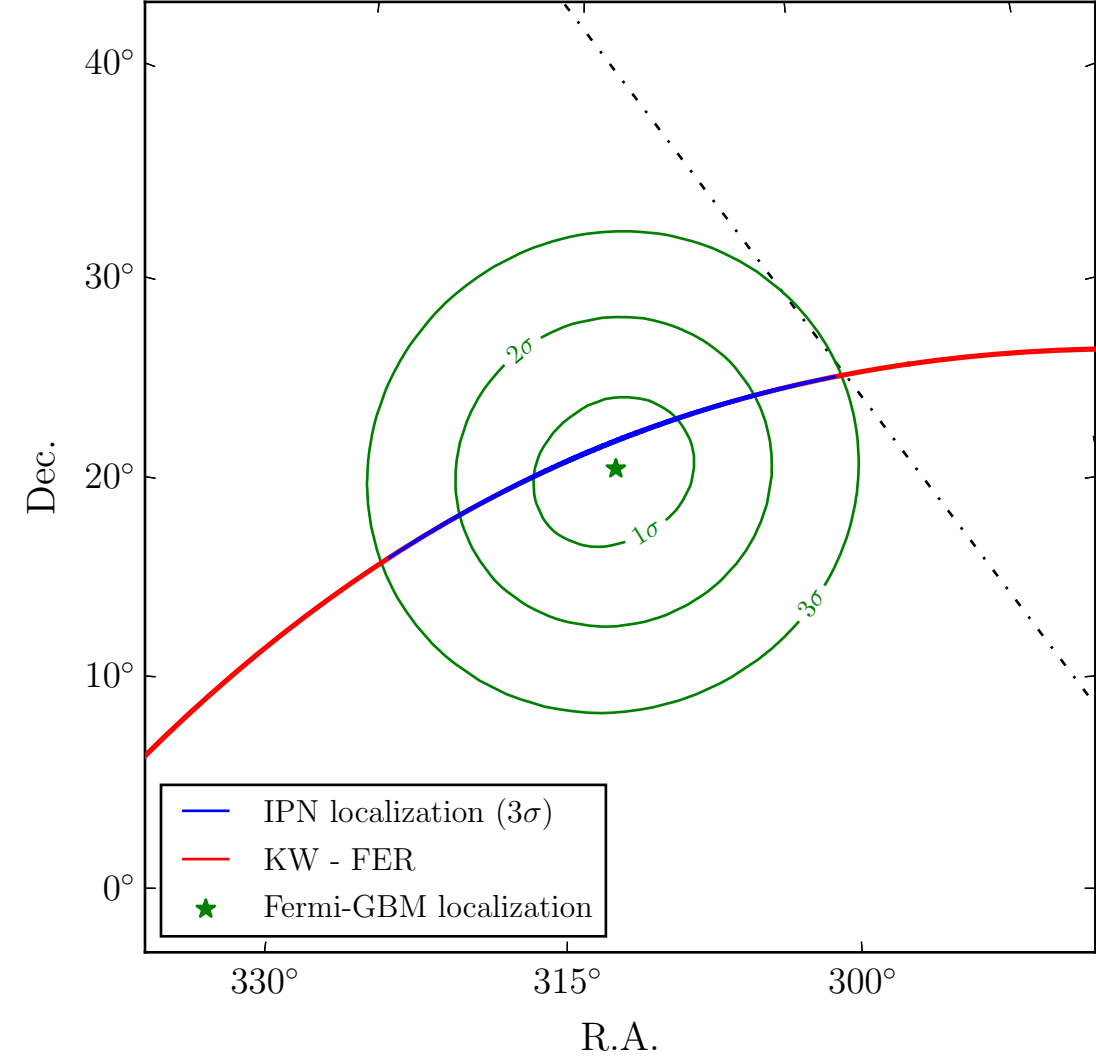
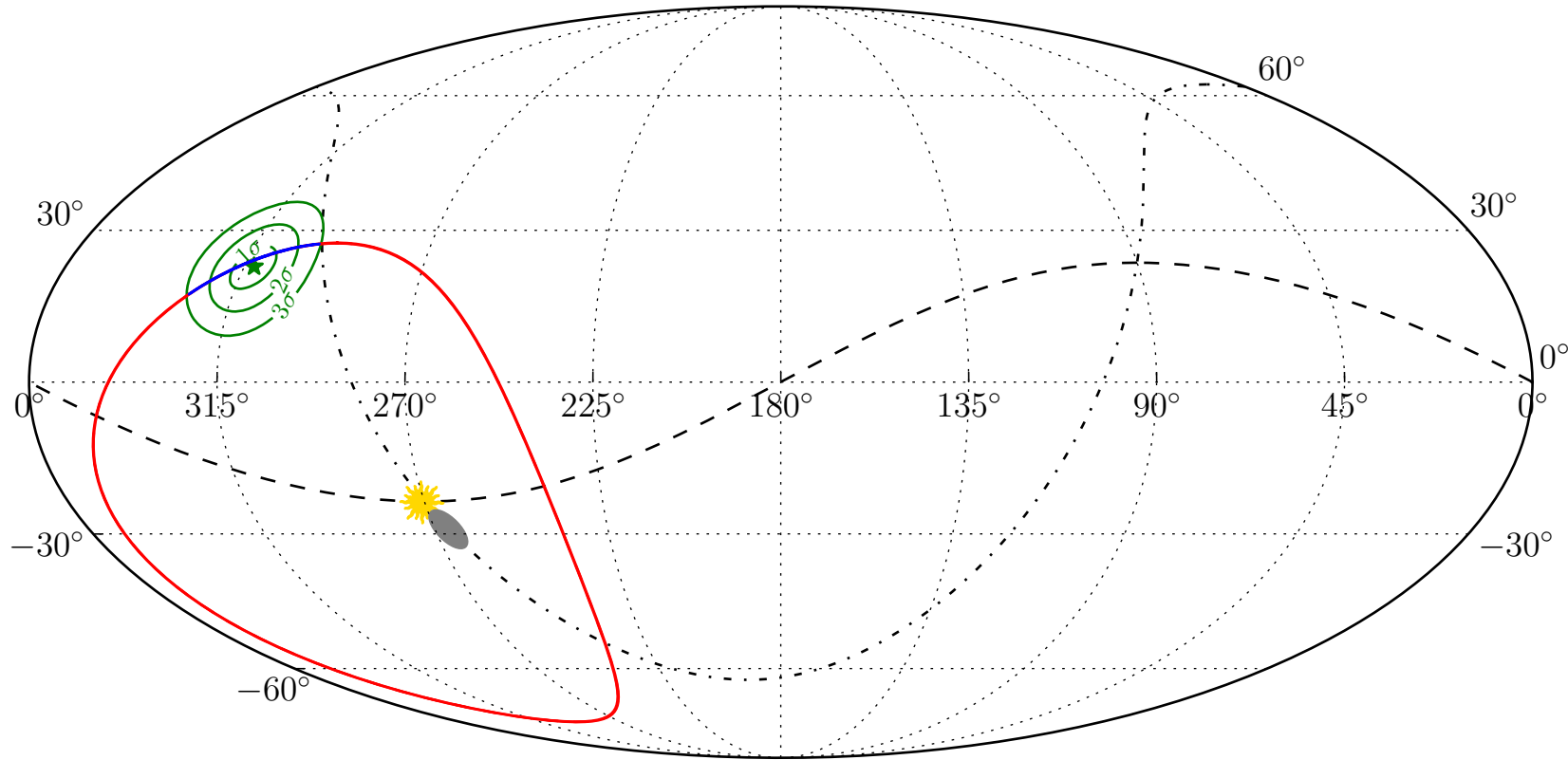
# GRB181123B (2018-11-23 $T_0=19981.096$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	232.0846	-20.5114	58.5485	0.4203
KW - INT	228.9412	-24.6164	58.4225	0.5075

# GRB181222B (2018-12-22 $T_0=72694.563$ s, UT)

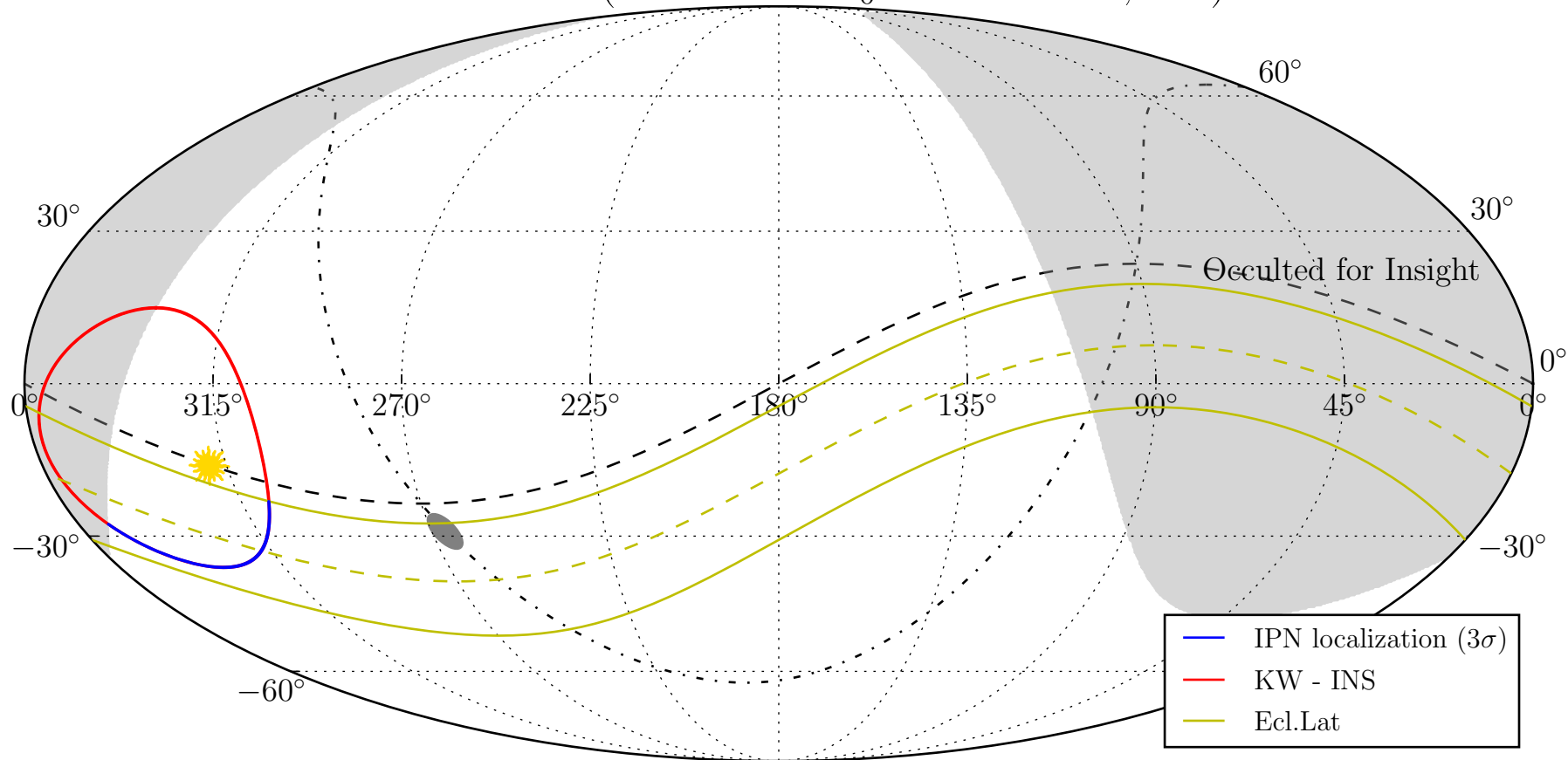


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	294.3238	-23.6943	51.0983	0.0643



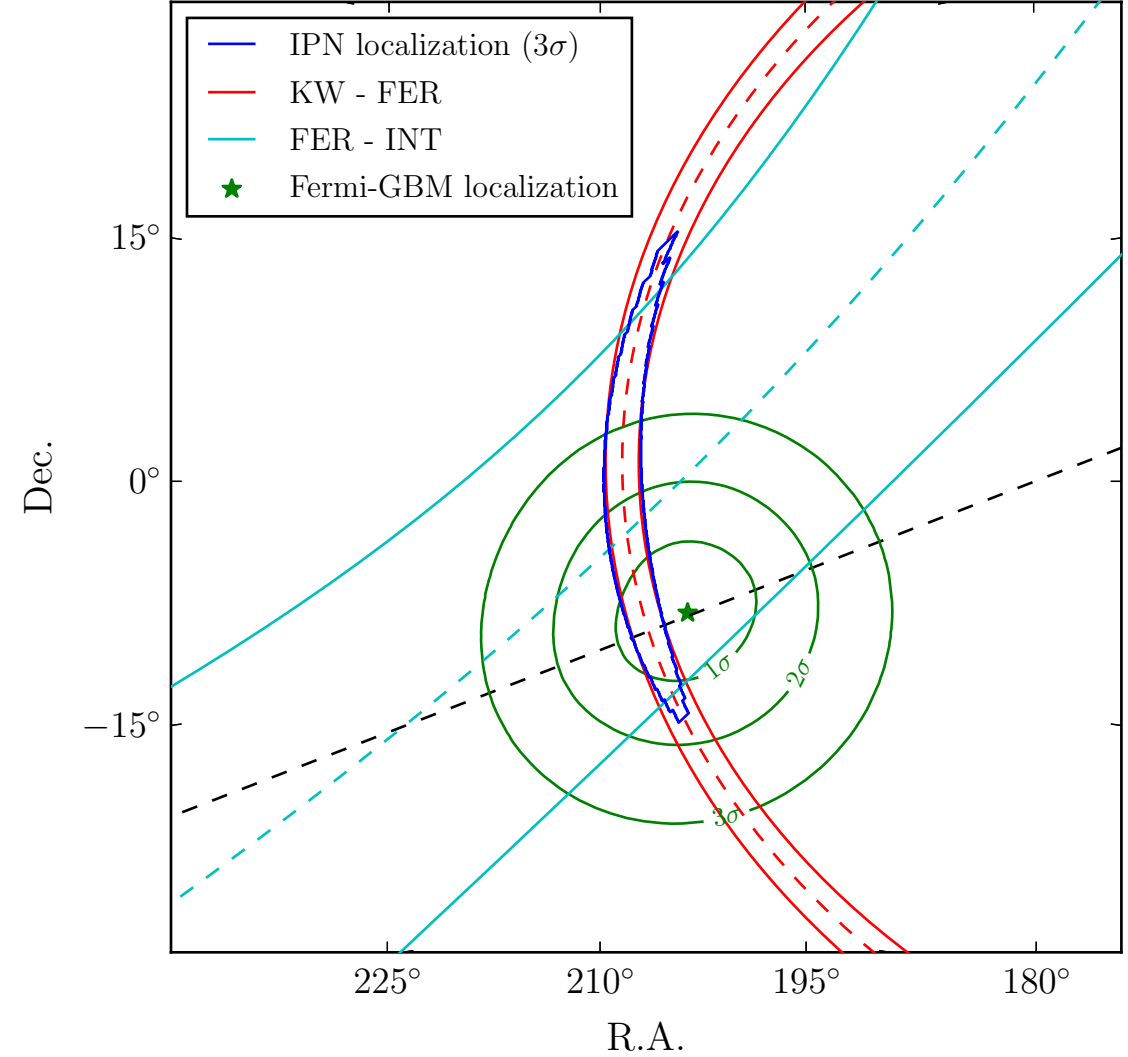
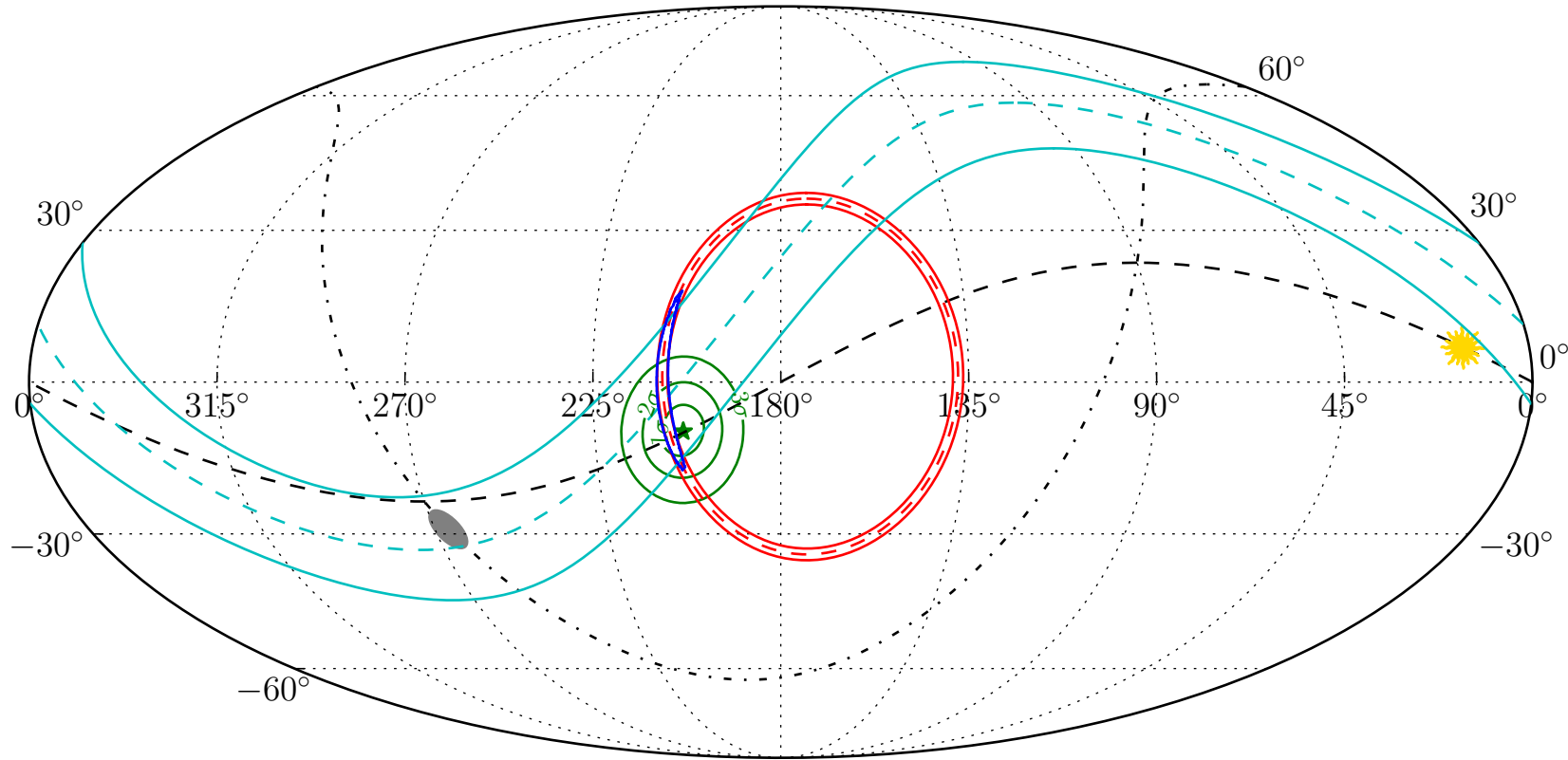
# GRB190206A (2019-02-06 $T_0=13763.926$ s, UT)



Parameters of IPN annuli

Instrument	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INS	331.7099	-10.8749	25.6085	0.0967
Ecl.Lat	270.0000	66.5610	106.0000	12.0000

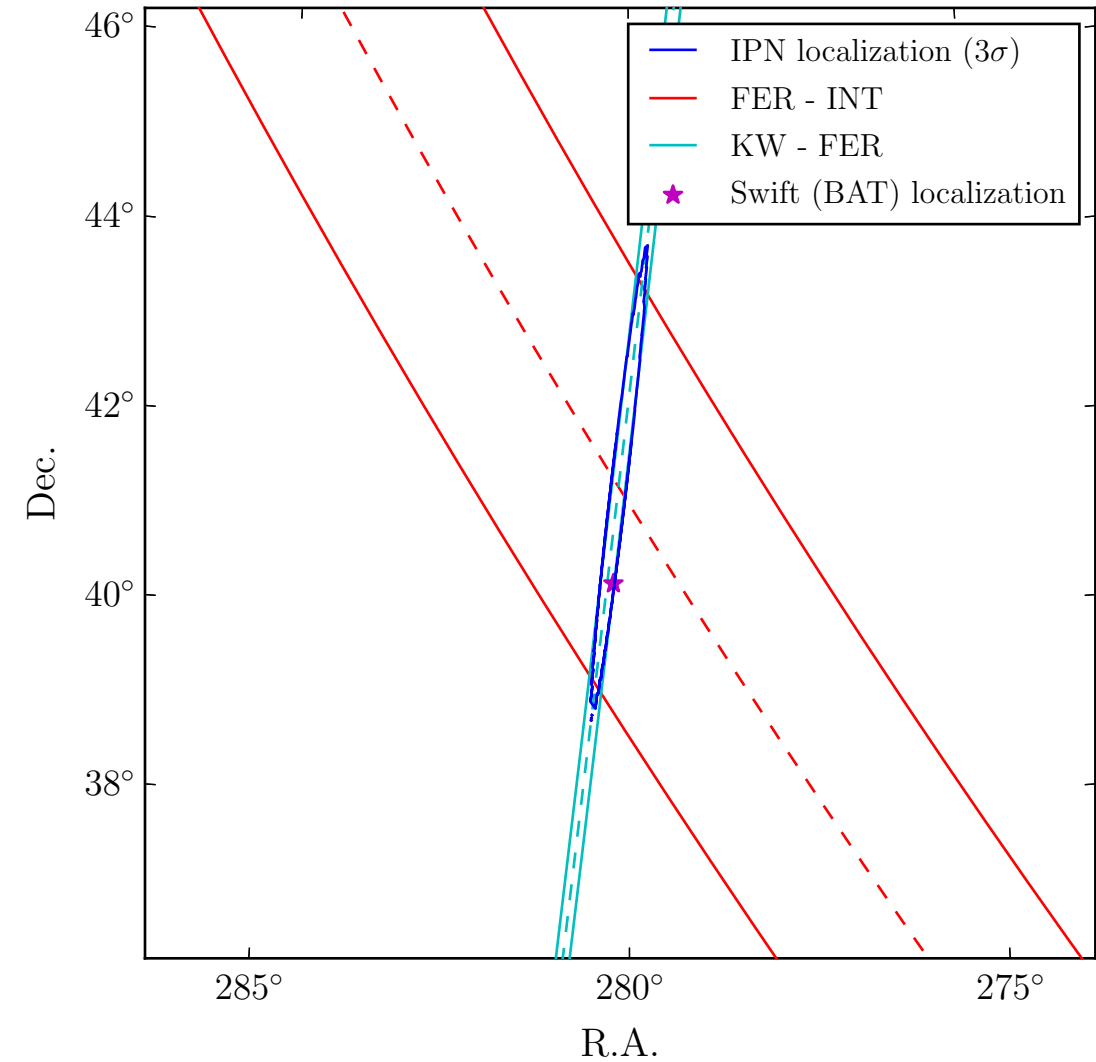
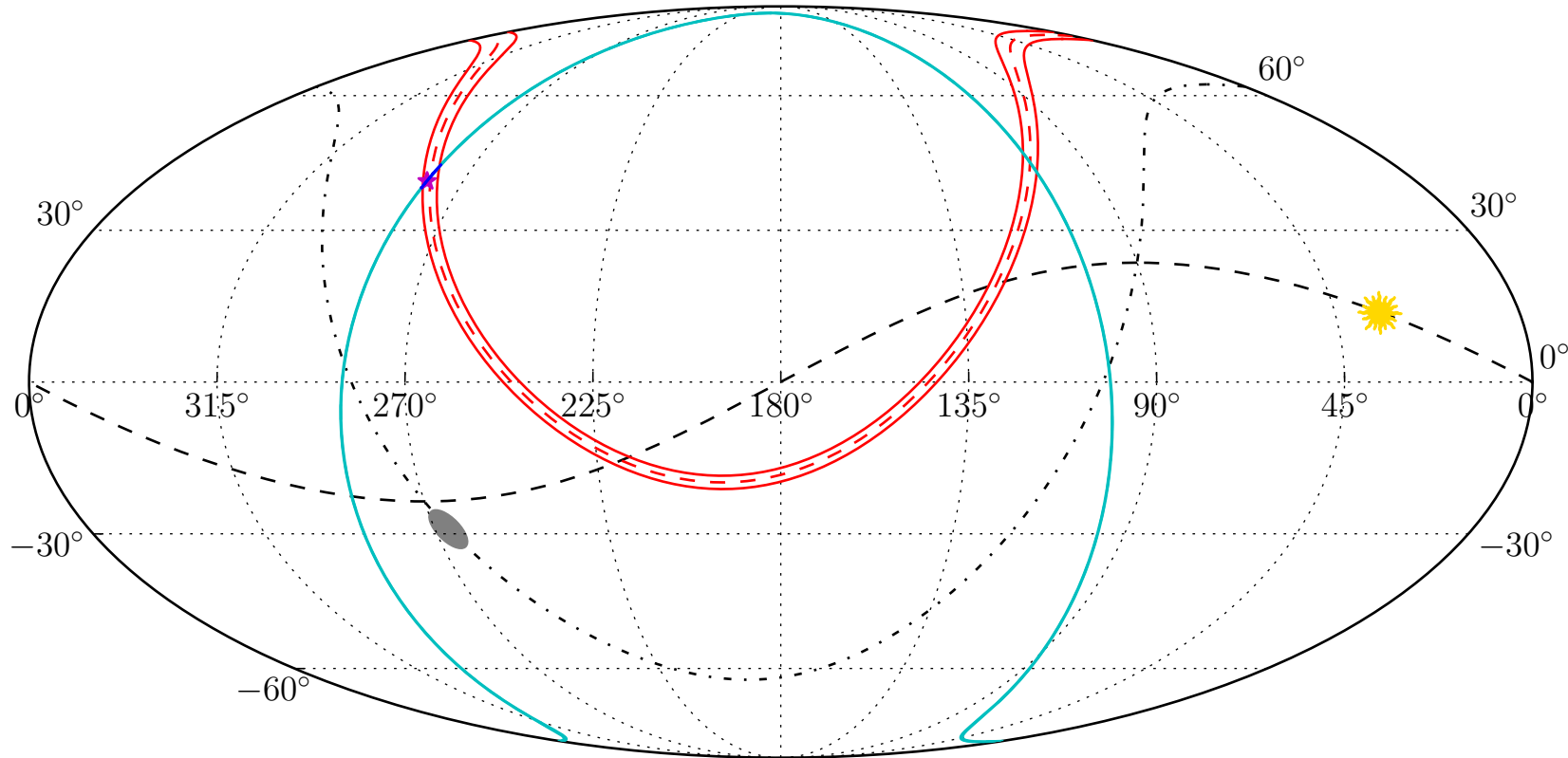
GRB190407B (2019-04-07  $T_0=68086.137$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	172.9551	1.1698	35.4196	1.2239
FER - INT	276.5510	44.2112	77.5350	10.7289

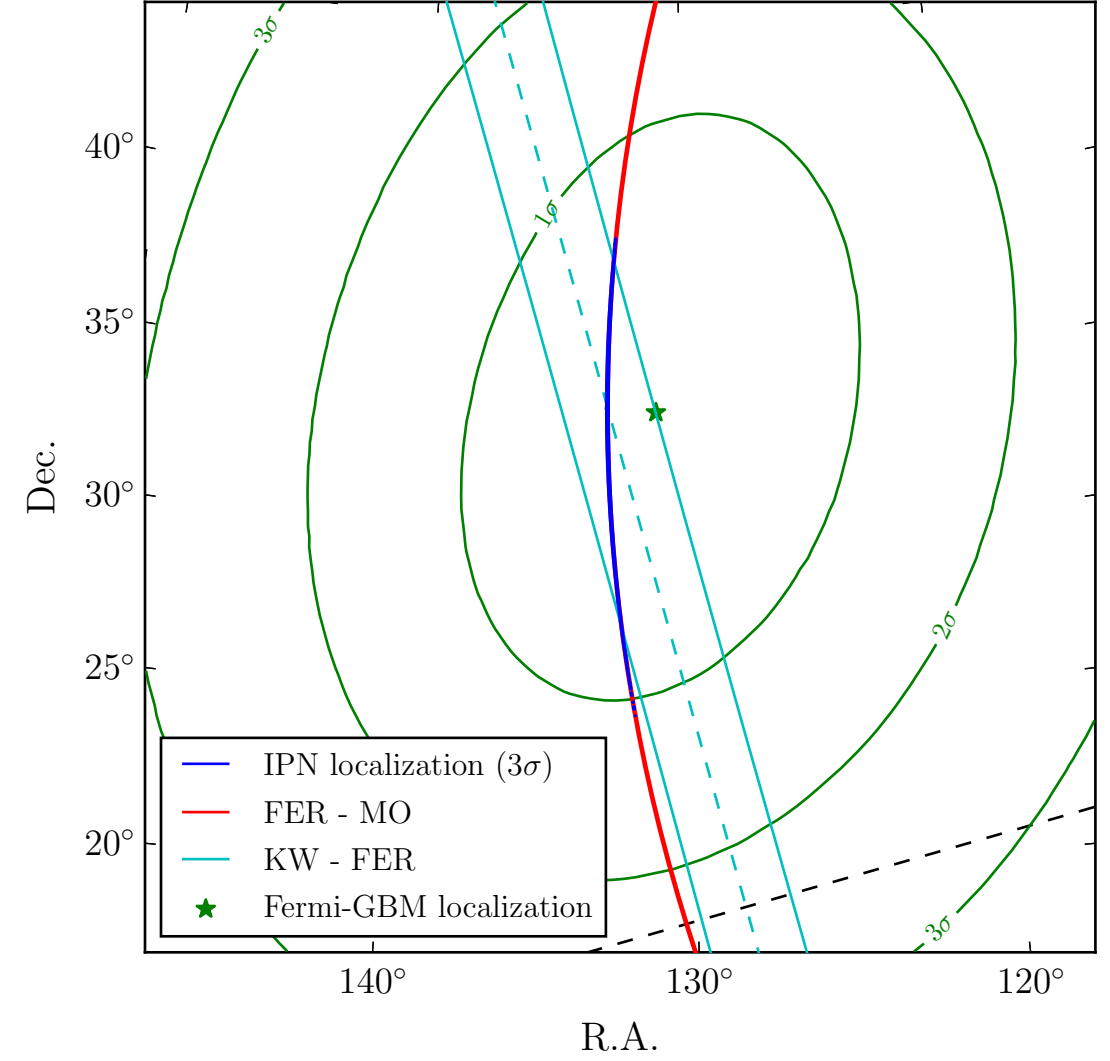
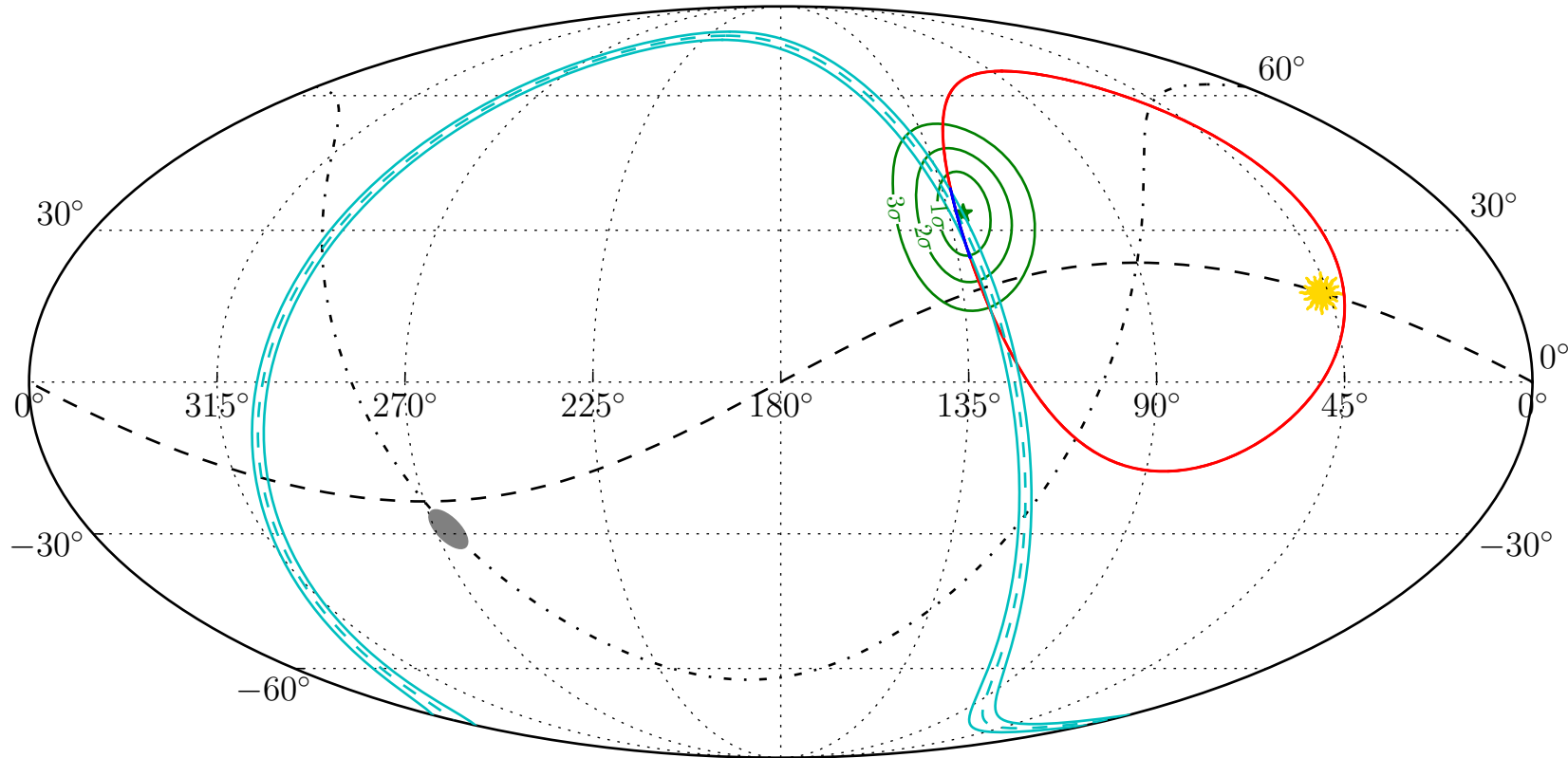
# GRB190427A (2019-04-27 $T_0=16454.918$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - INT	194.5560	41.5789	61.2177	1.3255
KW - FER	13.0455	6.3012	88.0099	0.0728

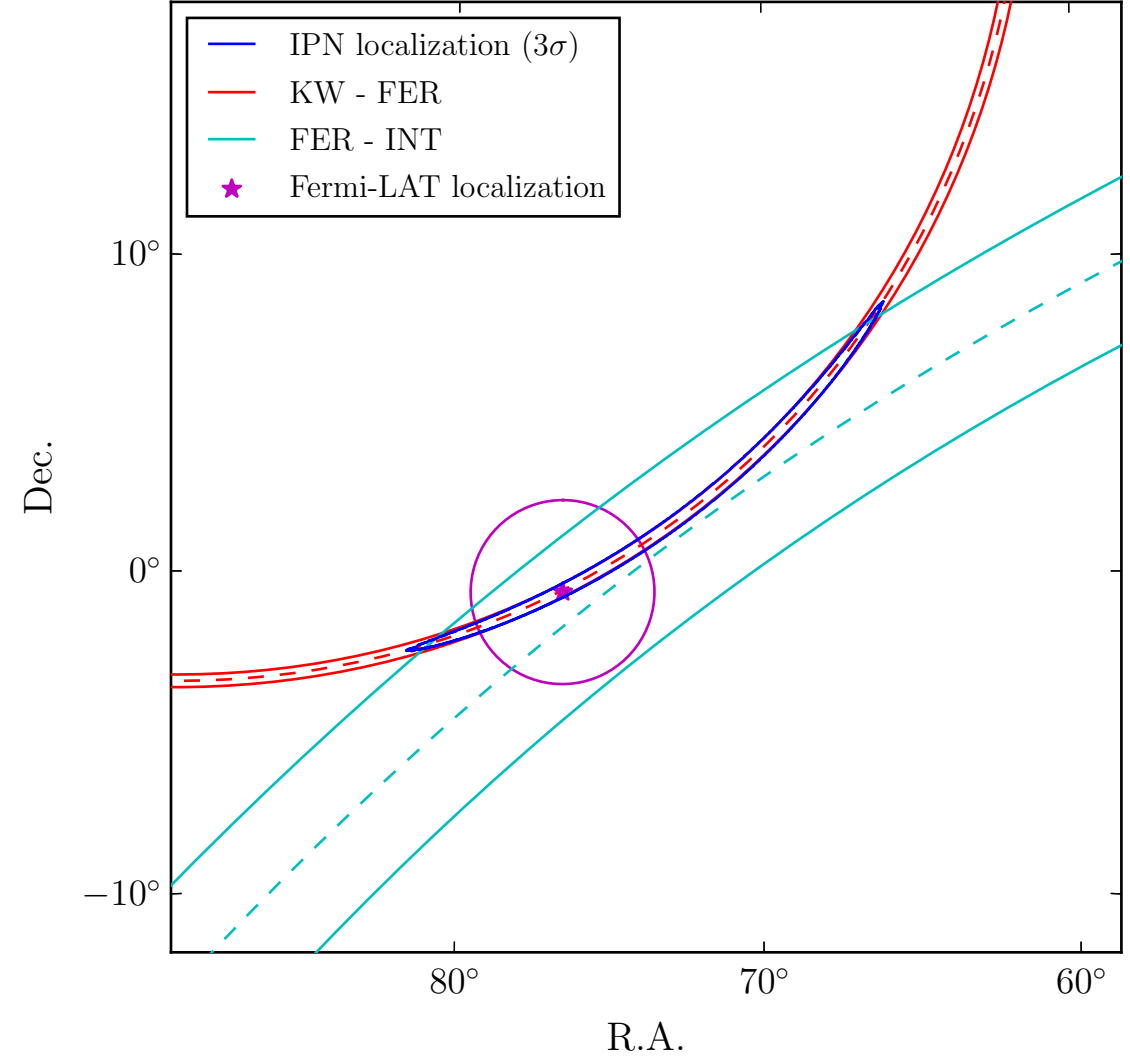
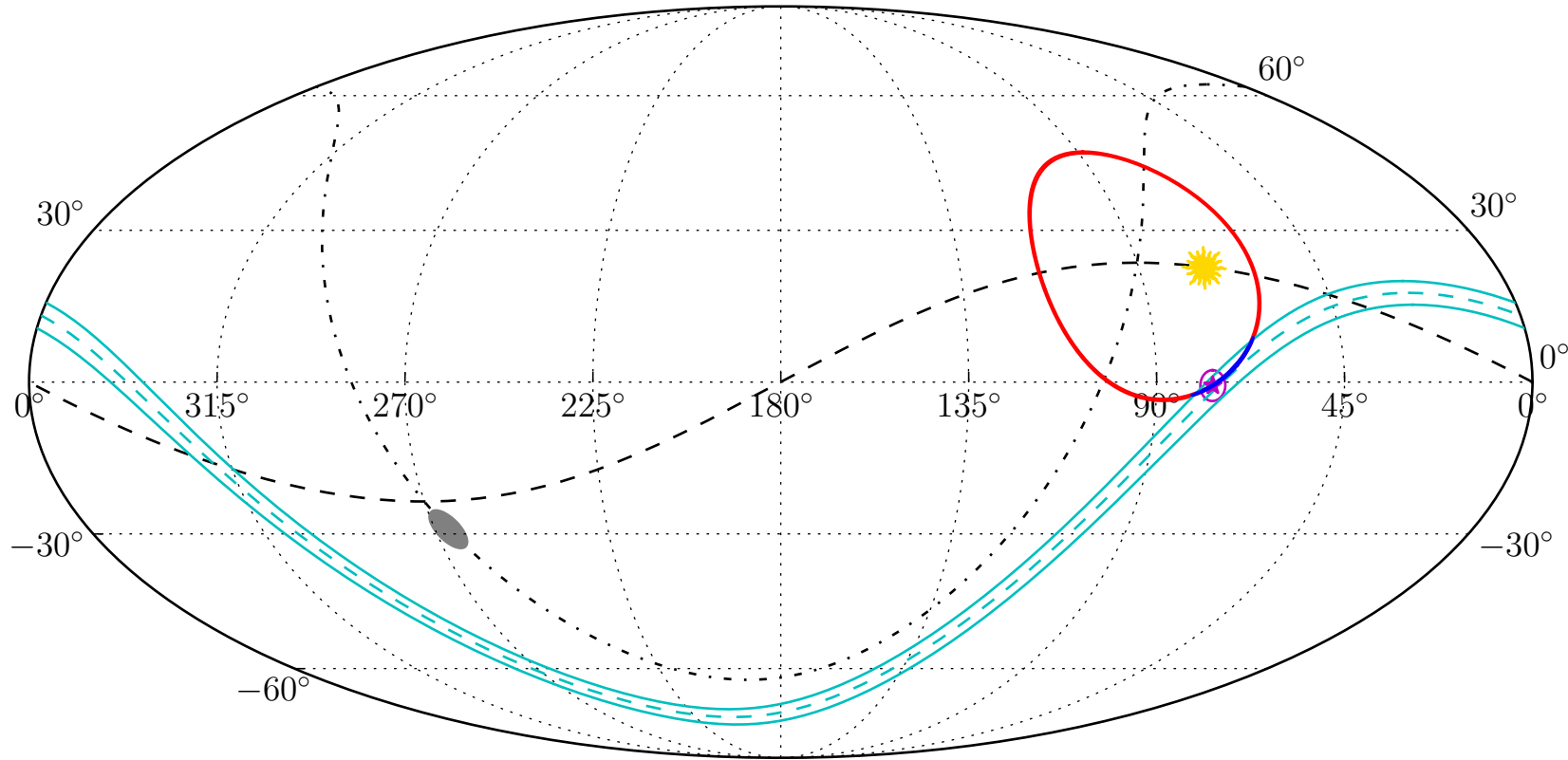
GRB190510A (2019-05-10  $T_0=37156.266$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - MO	85.6460	24.4830	41.9308	0.0301
KW - FER	34.0203	13.0783	89.9739	1.3581

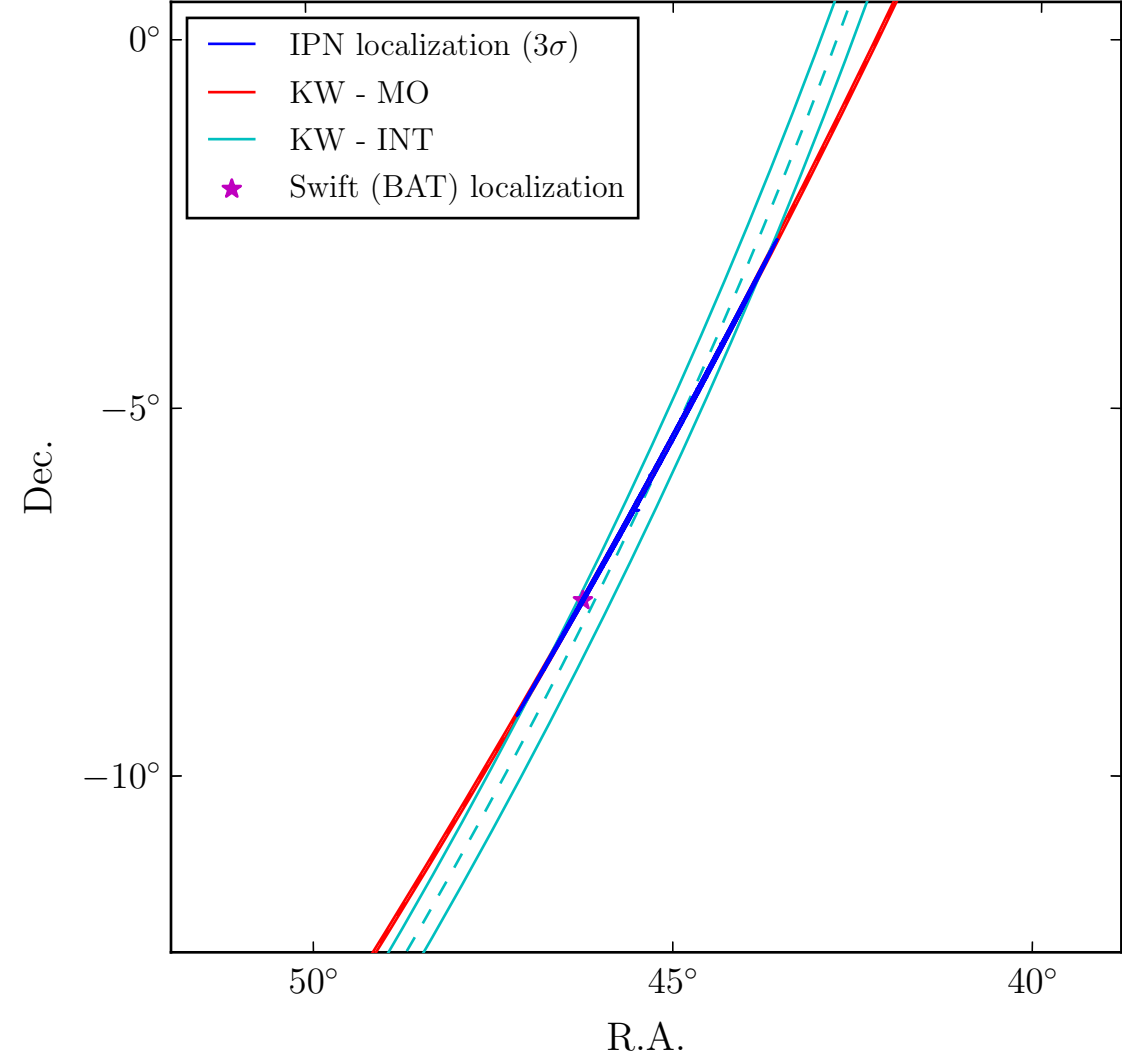
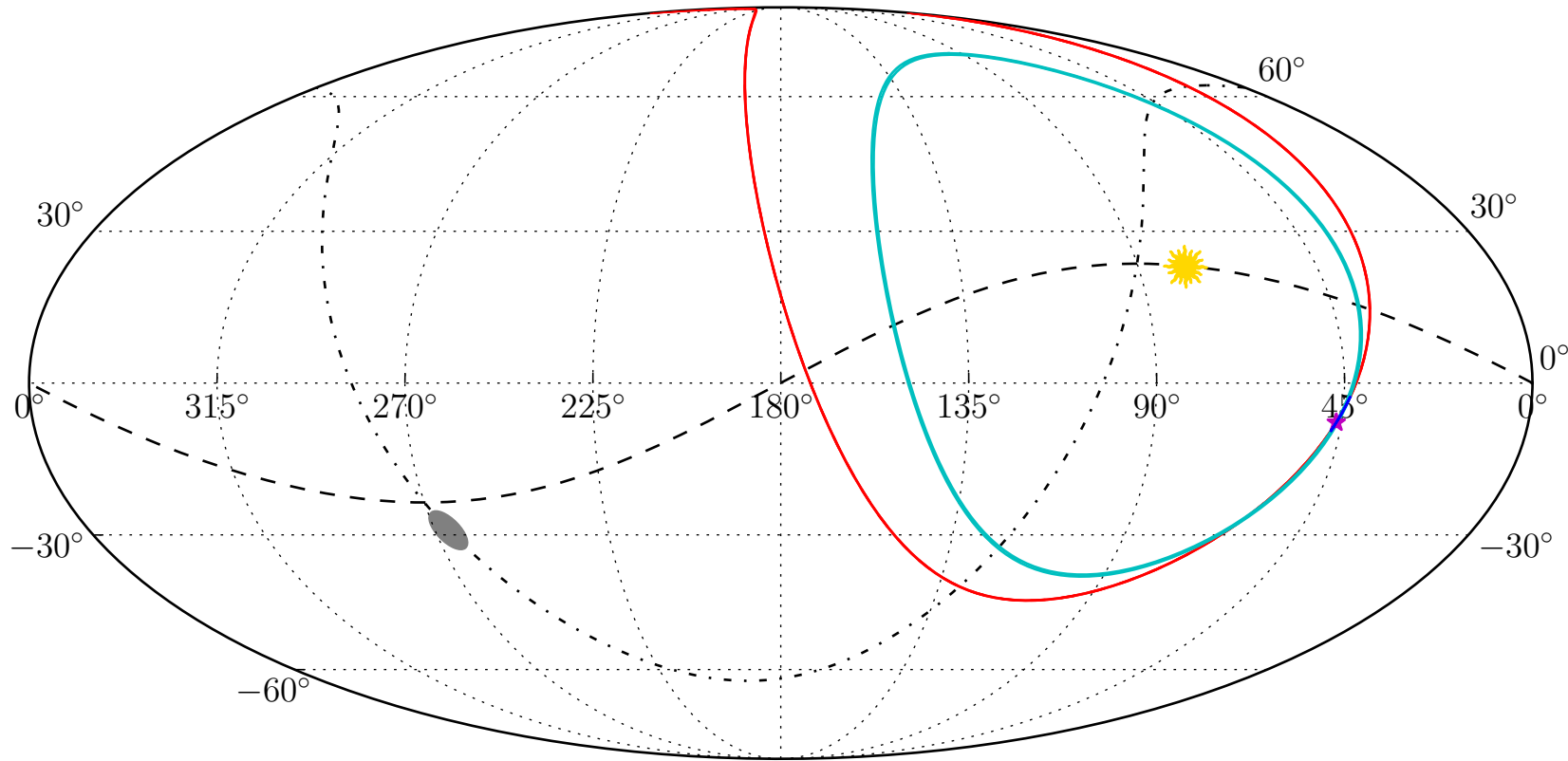
# GRB190606A (2019-06-06 $T_0=6903.800$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	88.3863	21.5738	25.0338	0.1982
FER - INT	25.3805	-44.6352	62.0720	2.3403

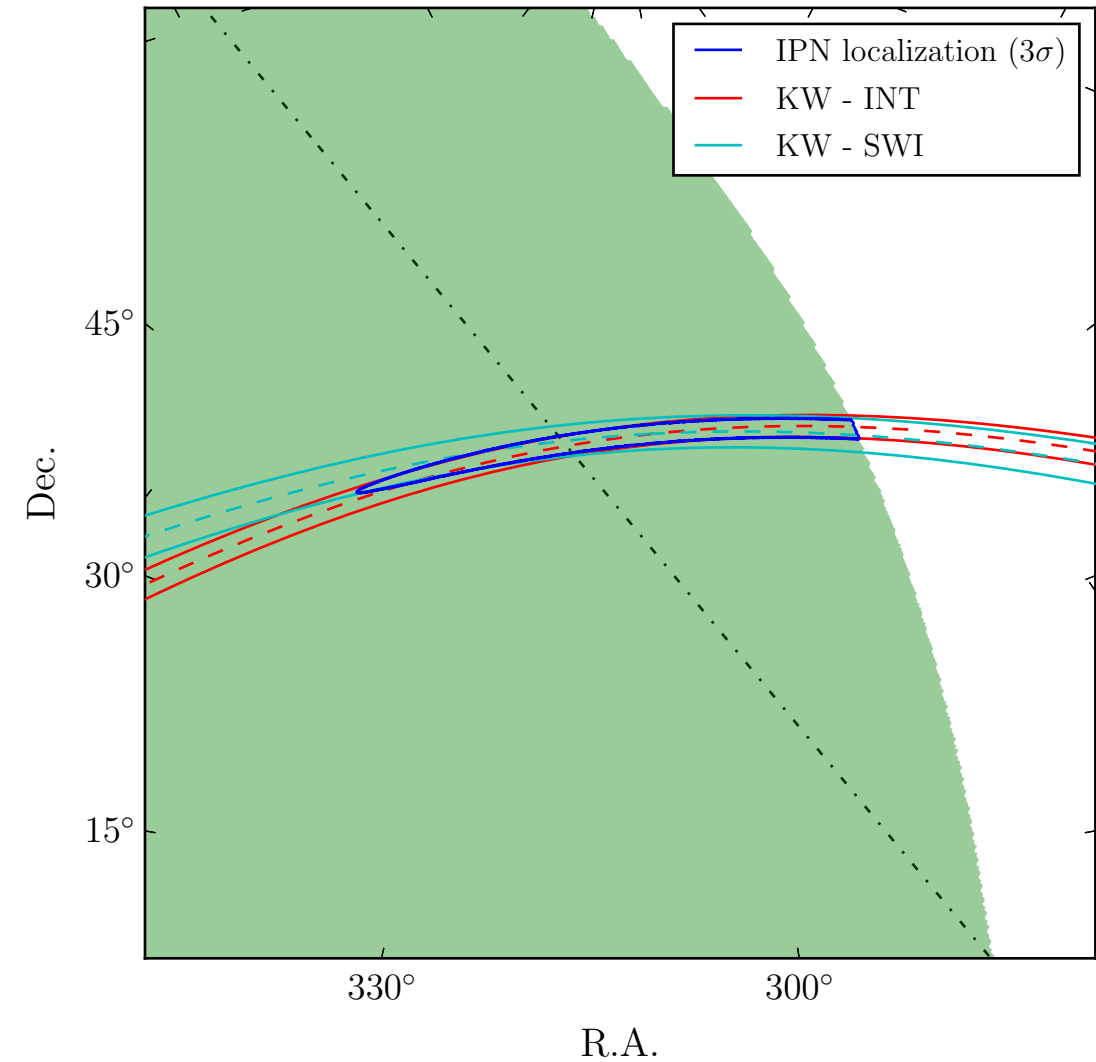
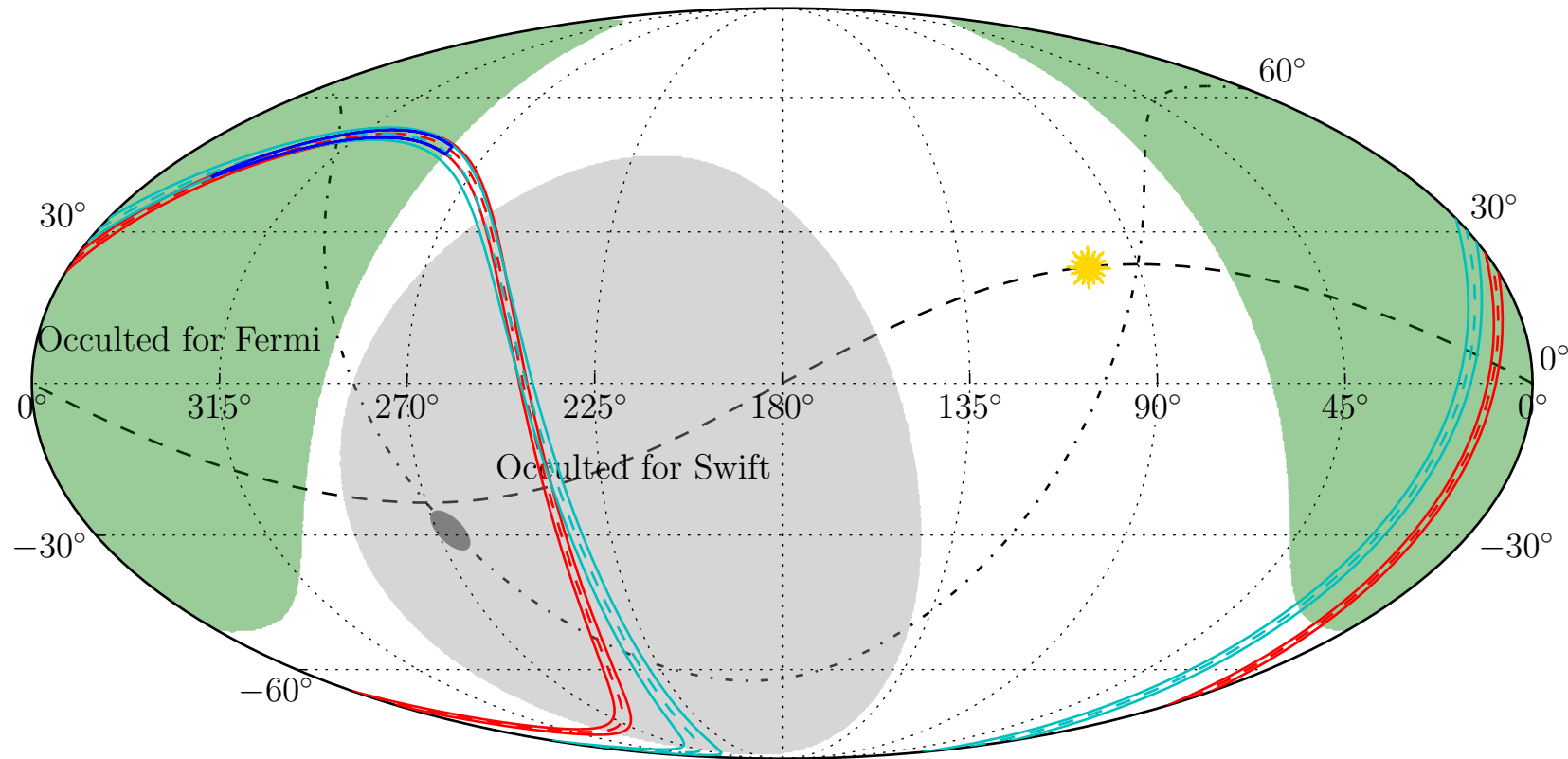
# GRB190610A (2019-06-10 $T_0=41263.560$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	107.5780	23.6431	67.5369	0.0188
KW - INT	96.0419	16.5059	55.0113	0.2068

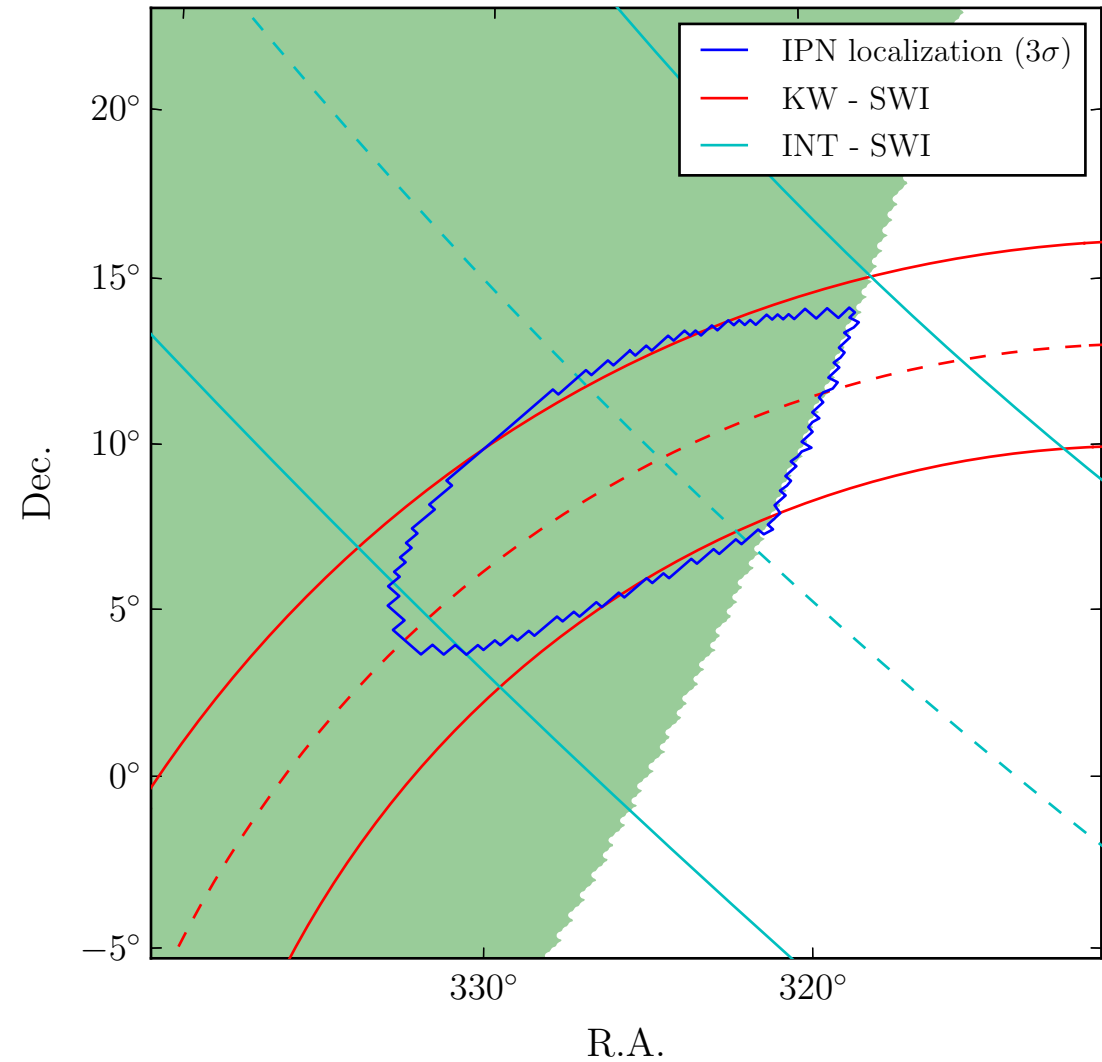
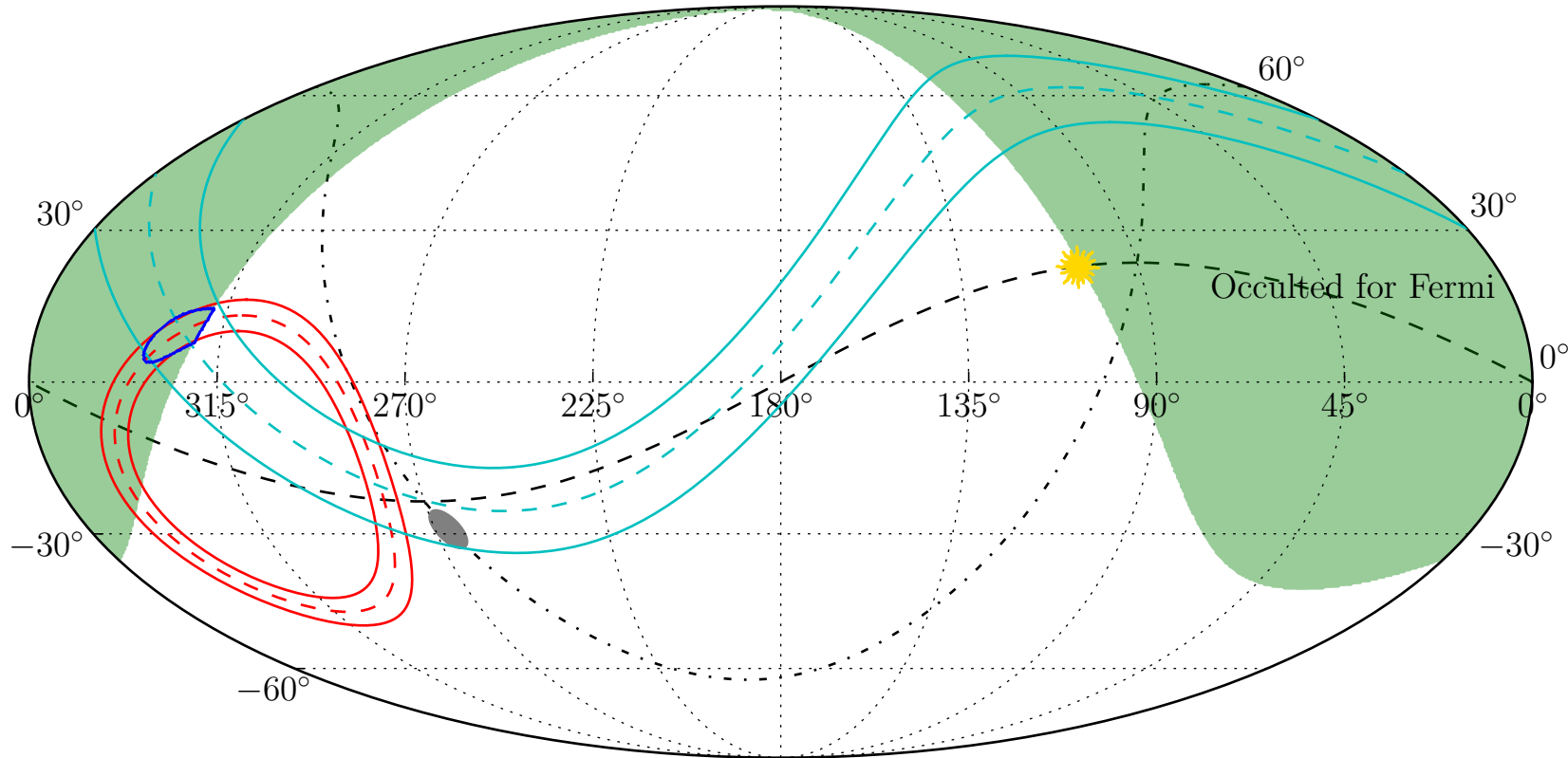
GRB190704A (2019-07-04  $T_0=22355.497$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	305.9702	-13.2633	64.5552	0.9514
KW - SWI	308.8595	-17.3018	68.5771	1.4173

GRB190706D (2019-07-06  $T_0=61390.044$  s, UT)

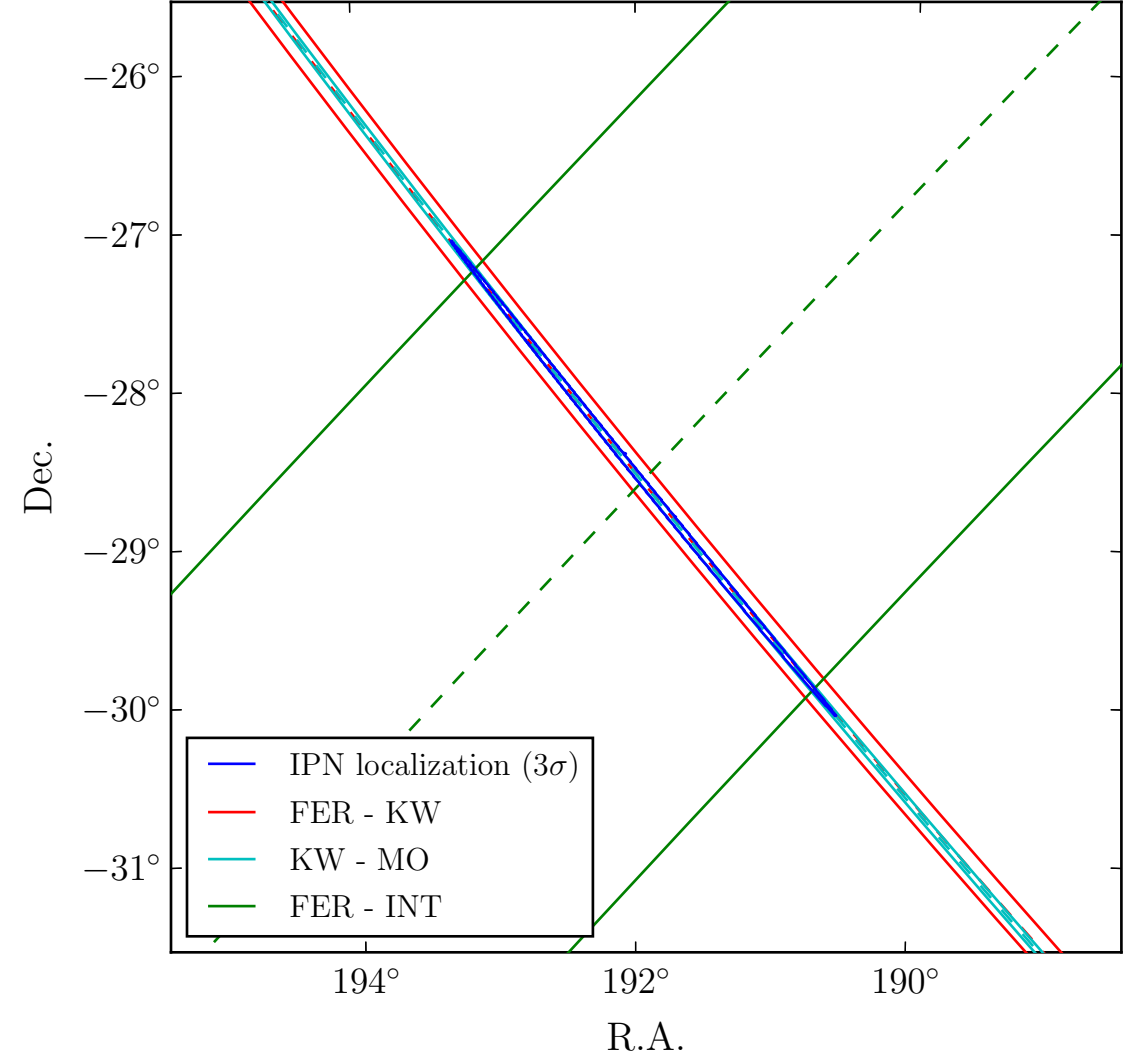
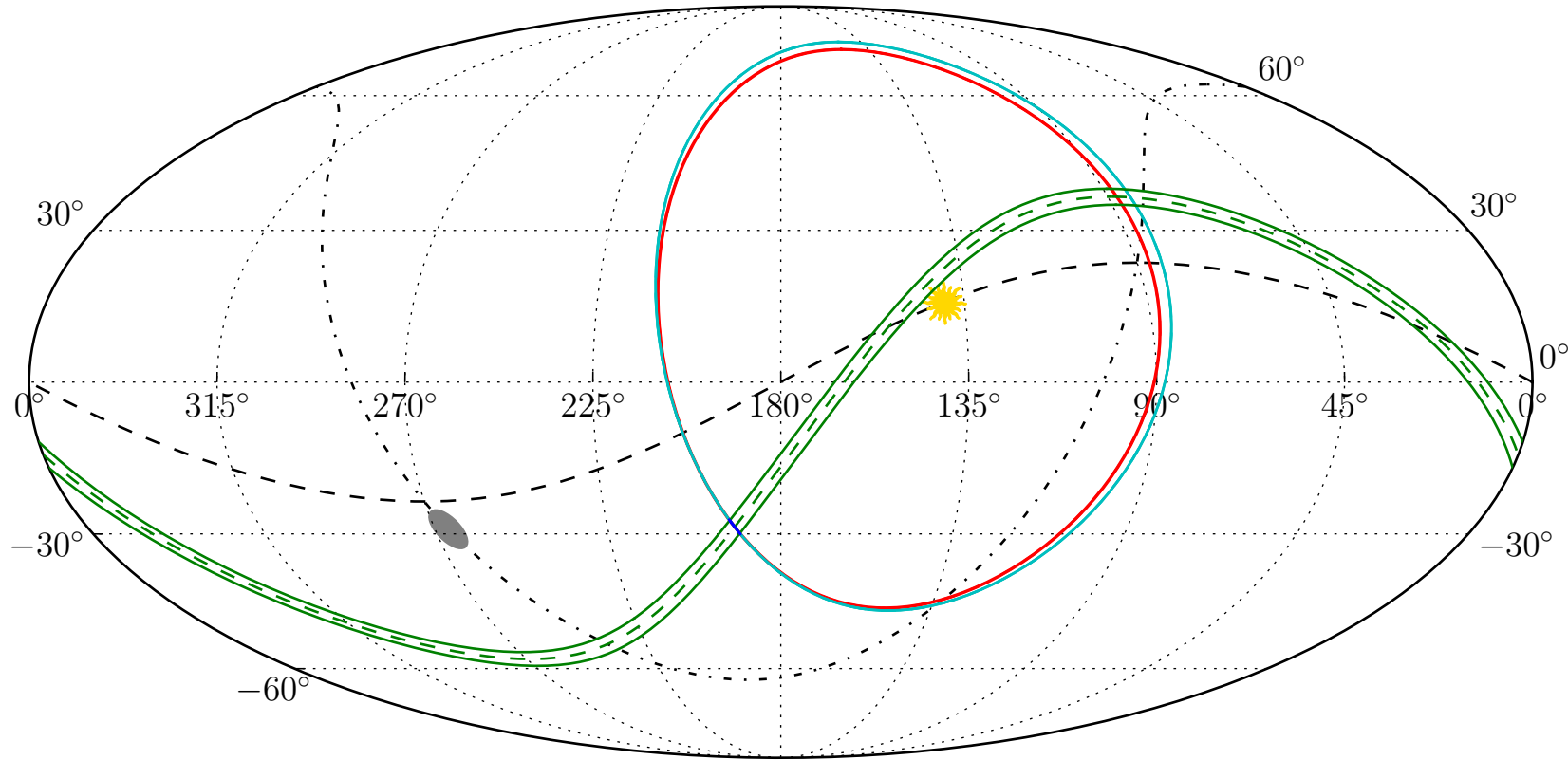


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - SWI	311.1290	-16.8250	29.8215	3.0804
INT - SWI	250.9064	46.2468	71.6227	8.5872



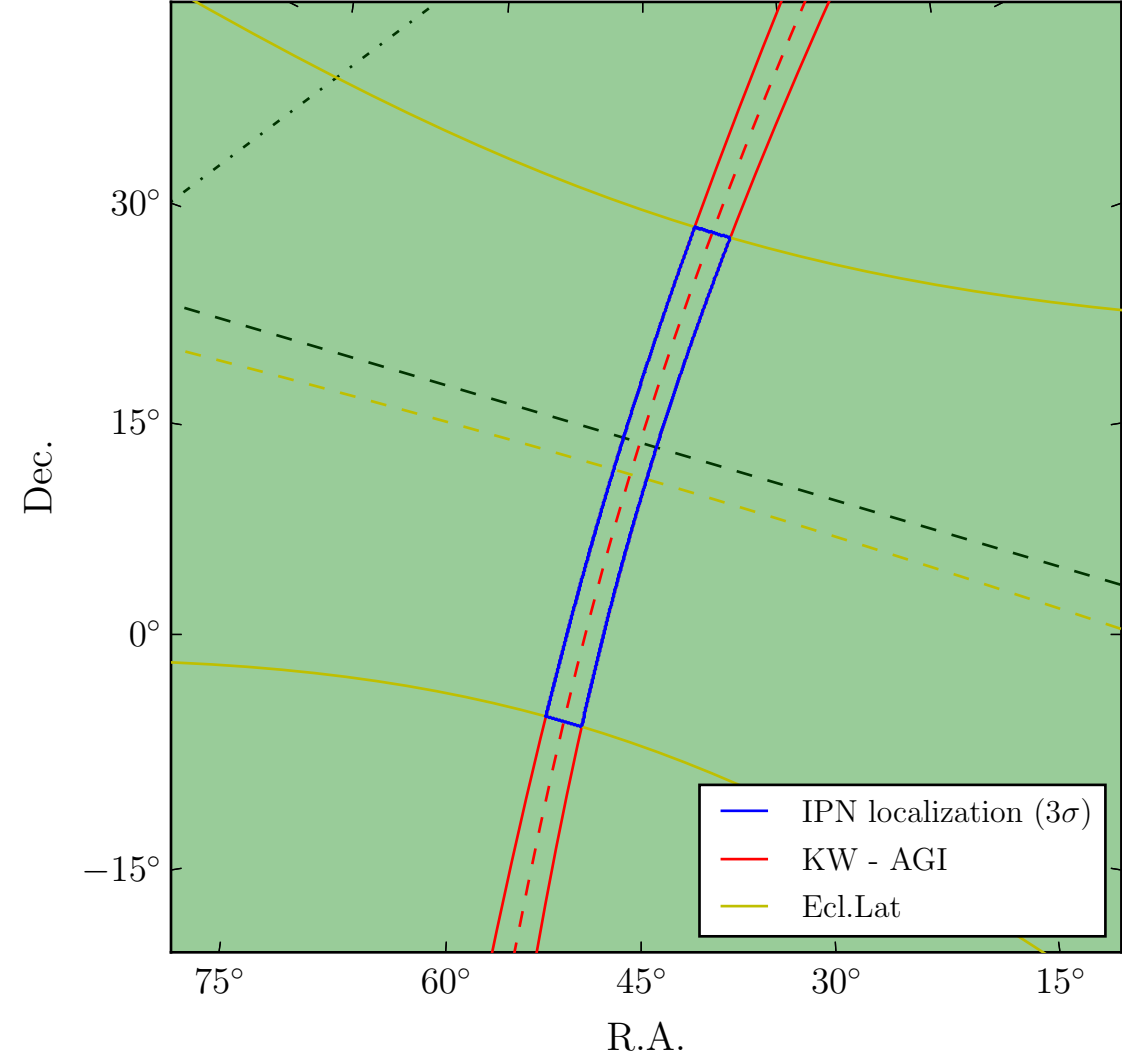
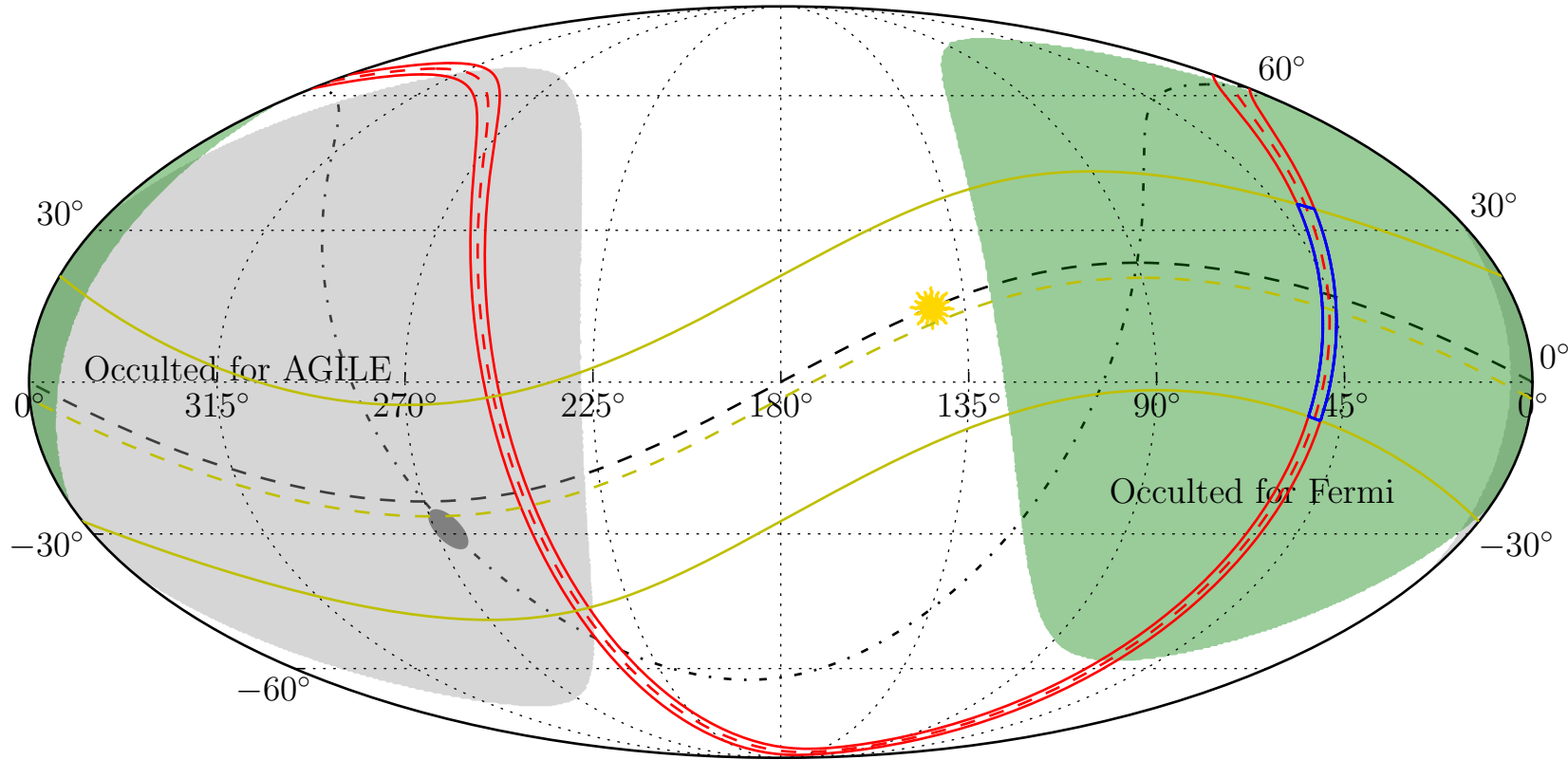
# GRB190810A (2019-08-10 $T_0=58318.421$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - KW	148.8080	13.3963	59.1814	0.0835
KW - MO	147.6024	14.2856	60.6387	0.0186
FER - INT	88.9454	-42.6791	79.6755	1.6921

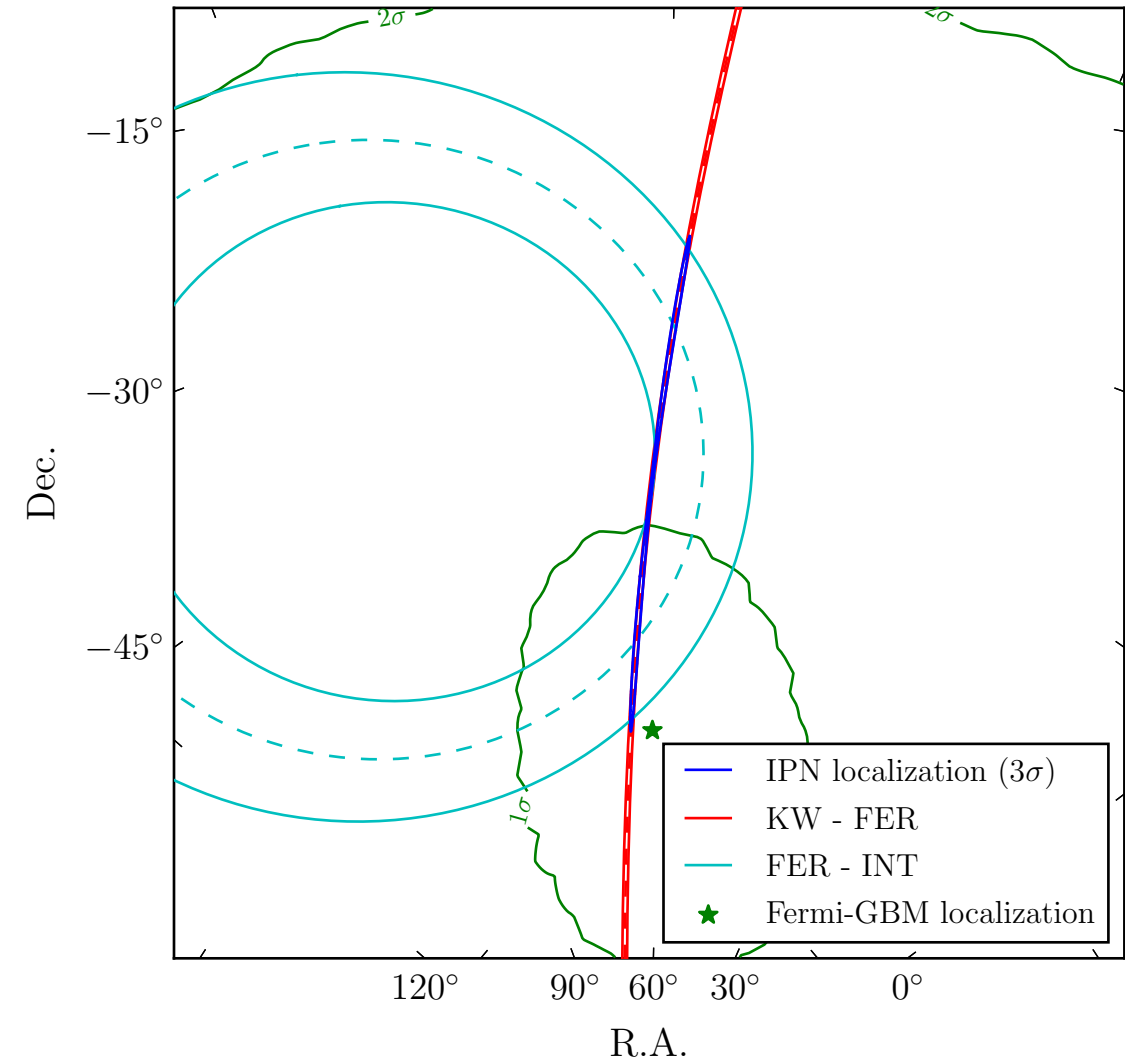
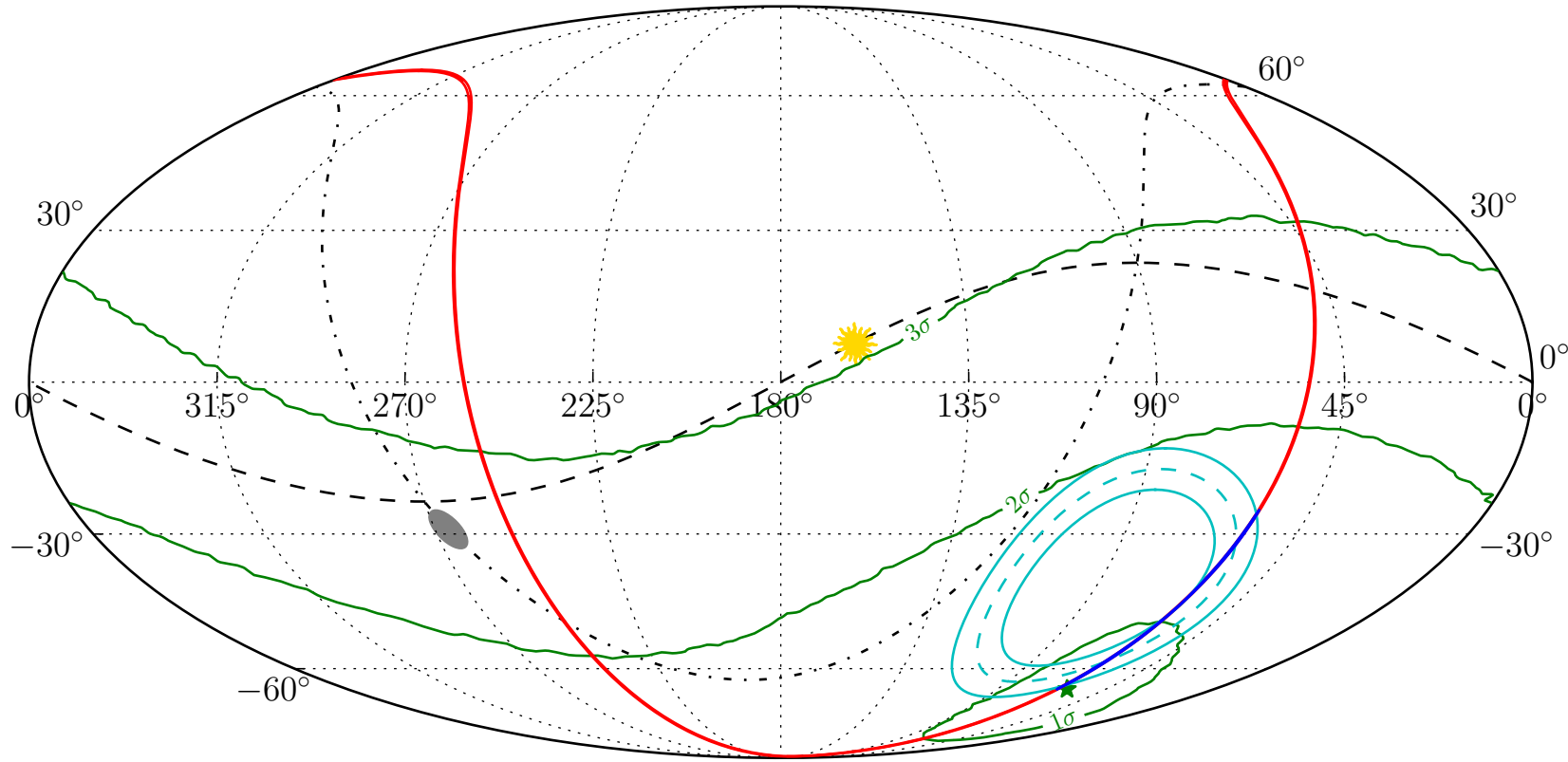
GRB20190814\_T05346 (2019-08-14 T<sub>0</sub>=5346.510 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - AGI	329.7520	-13.3823	80.4632	1.5587
Ecl.Lat	270.0000	66.5610	93.0000	22.0000

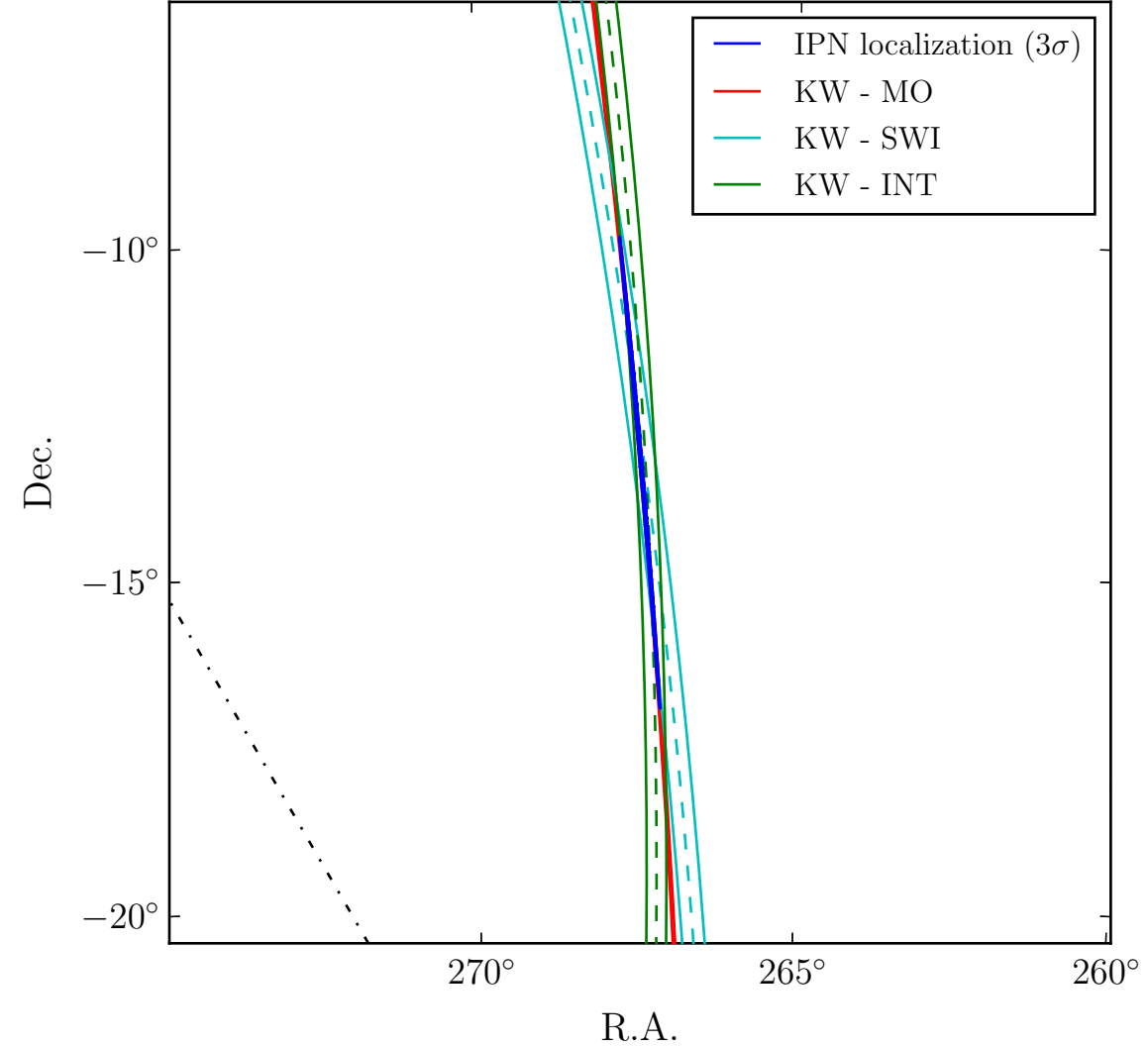
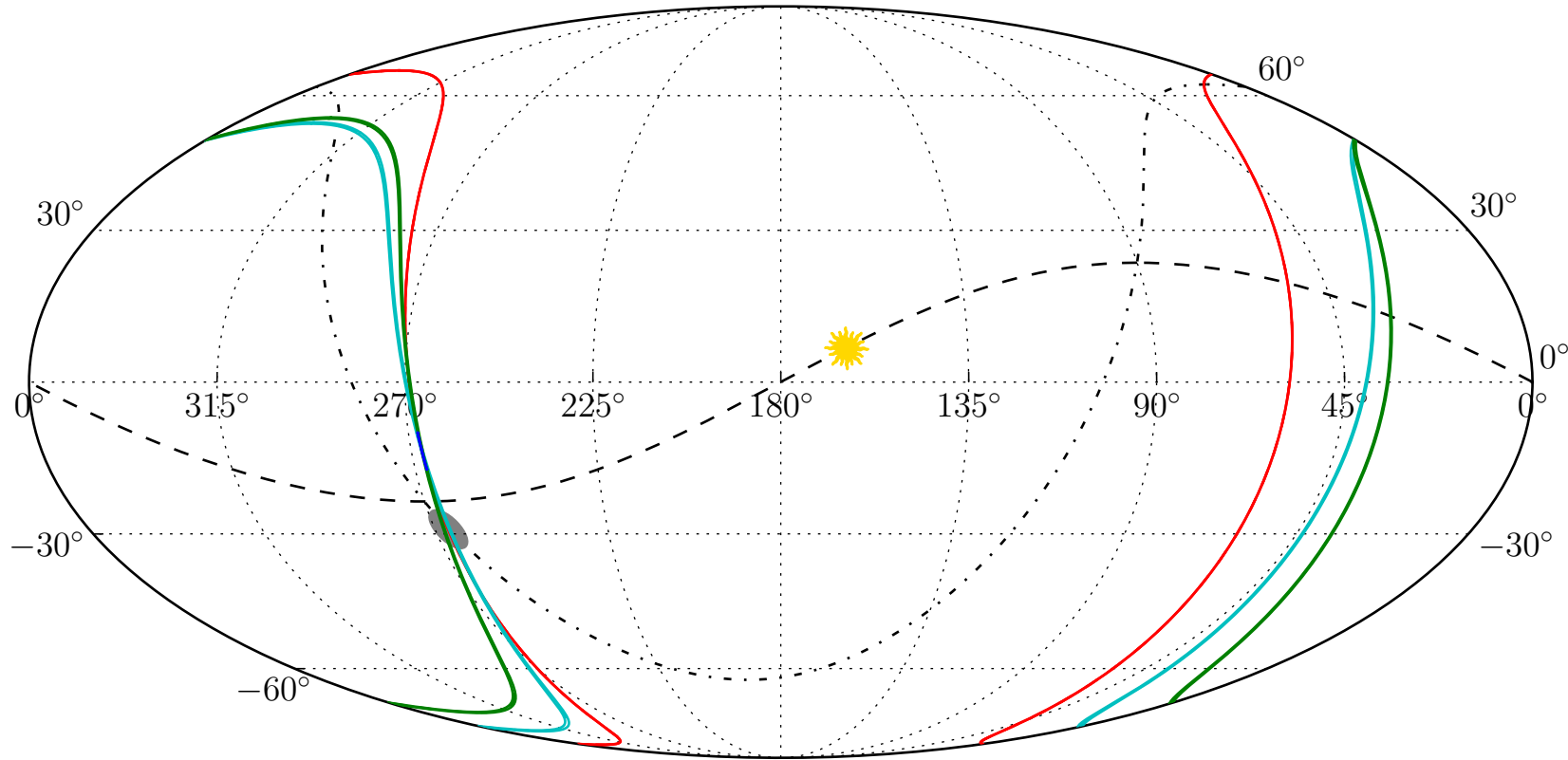
# GRB190903A (2019-09-03 $T_0=62377.366$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	334.6348	-12.3919	79.0002	0.1667
FER - INT	86.4254	-40.1668	23.2026	4.0886

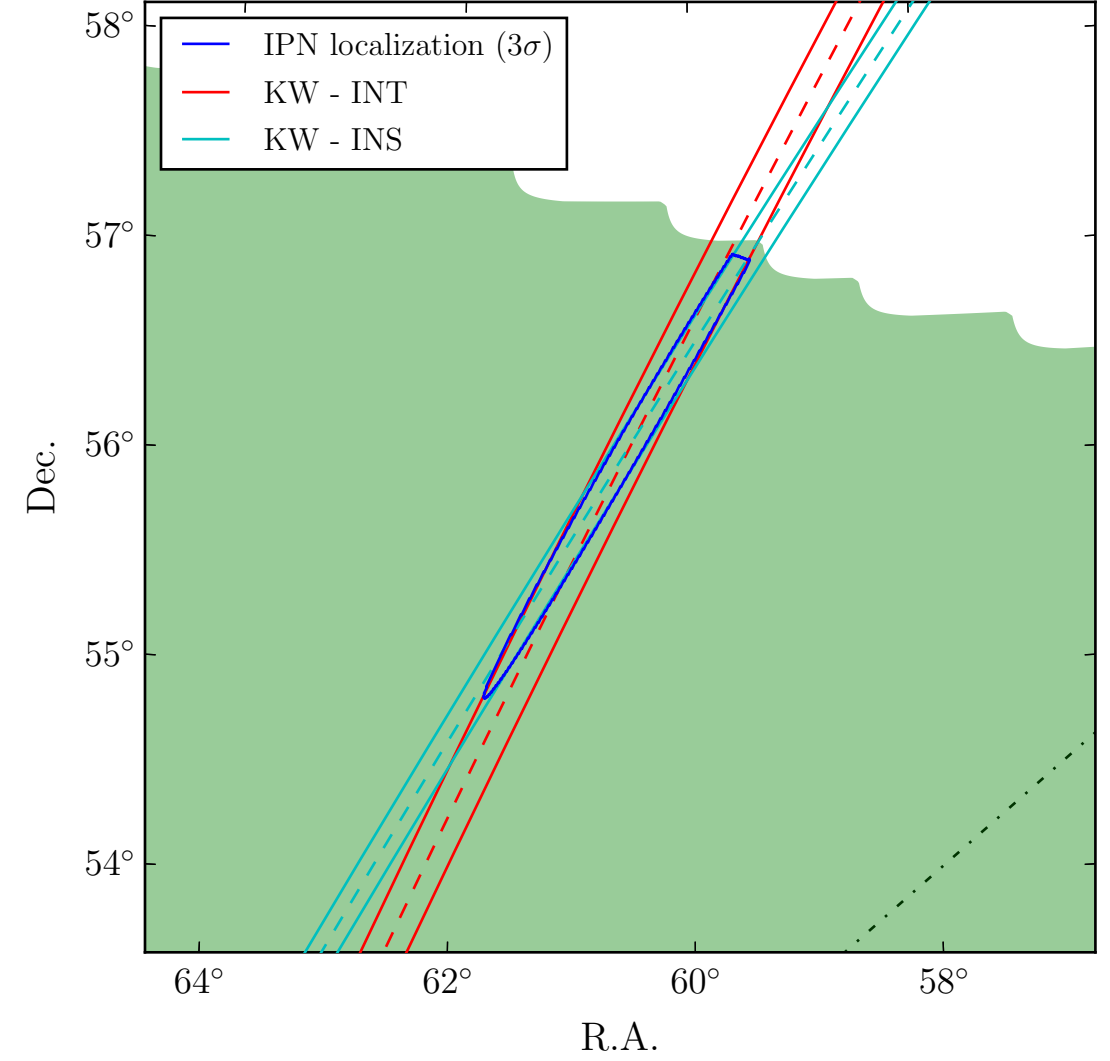
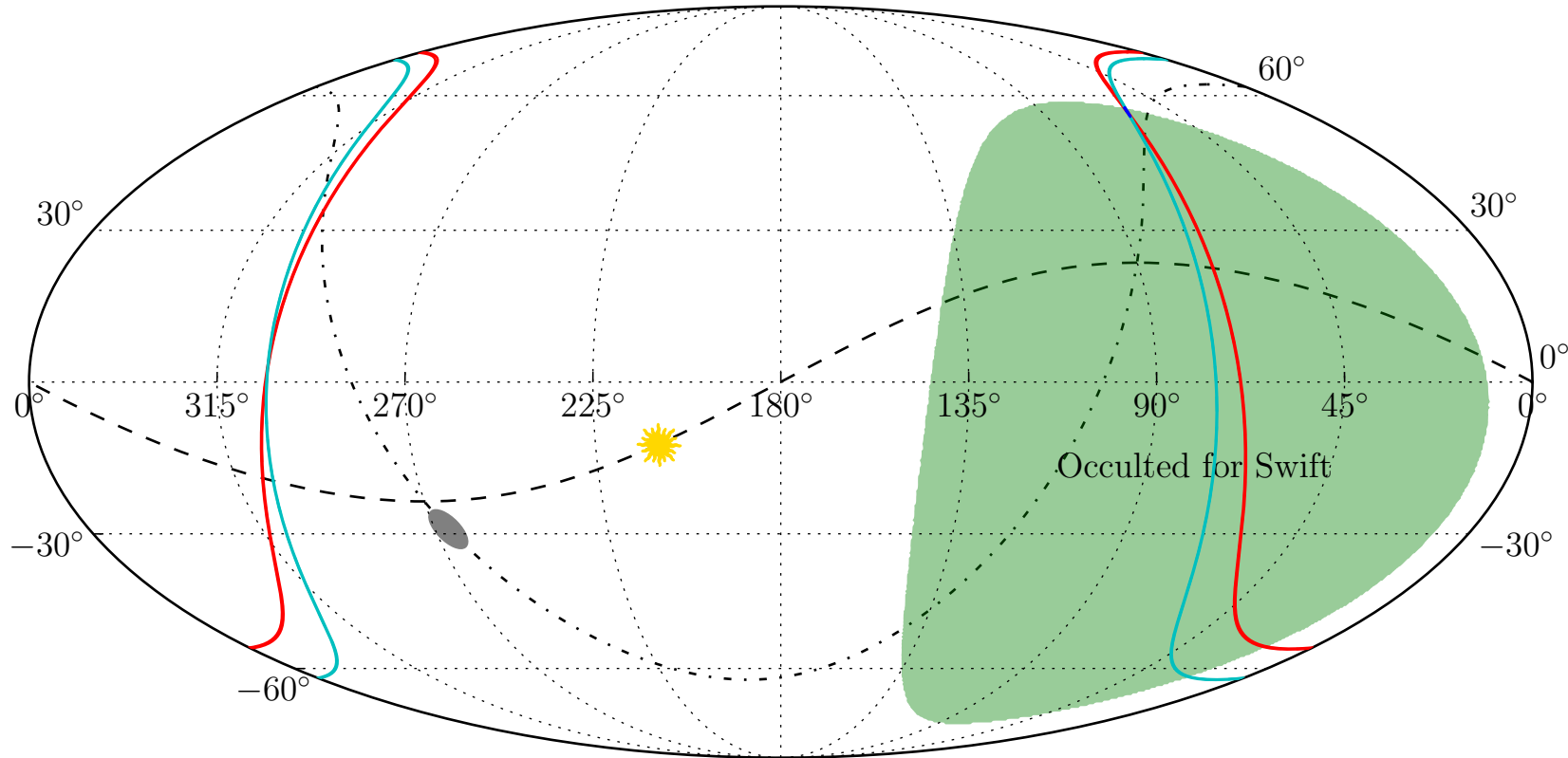
# GRB190906A (2019-09-06 $T_0=3893.205$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	343.5728	-8.1451	74.7263	0.0174
KW - SWI	334.7932	-12.1899	65.5464	0.1690
KW - INT	331.7664	-8.6857	63.2331	0.1490

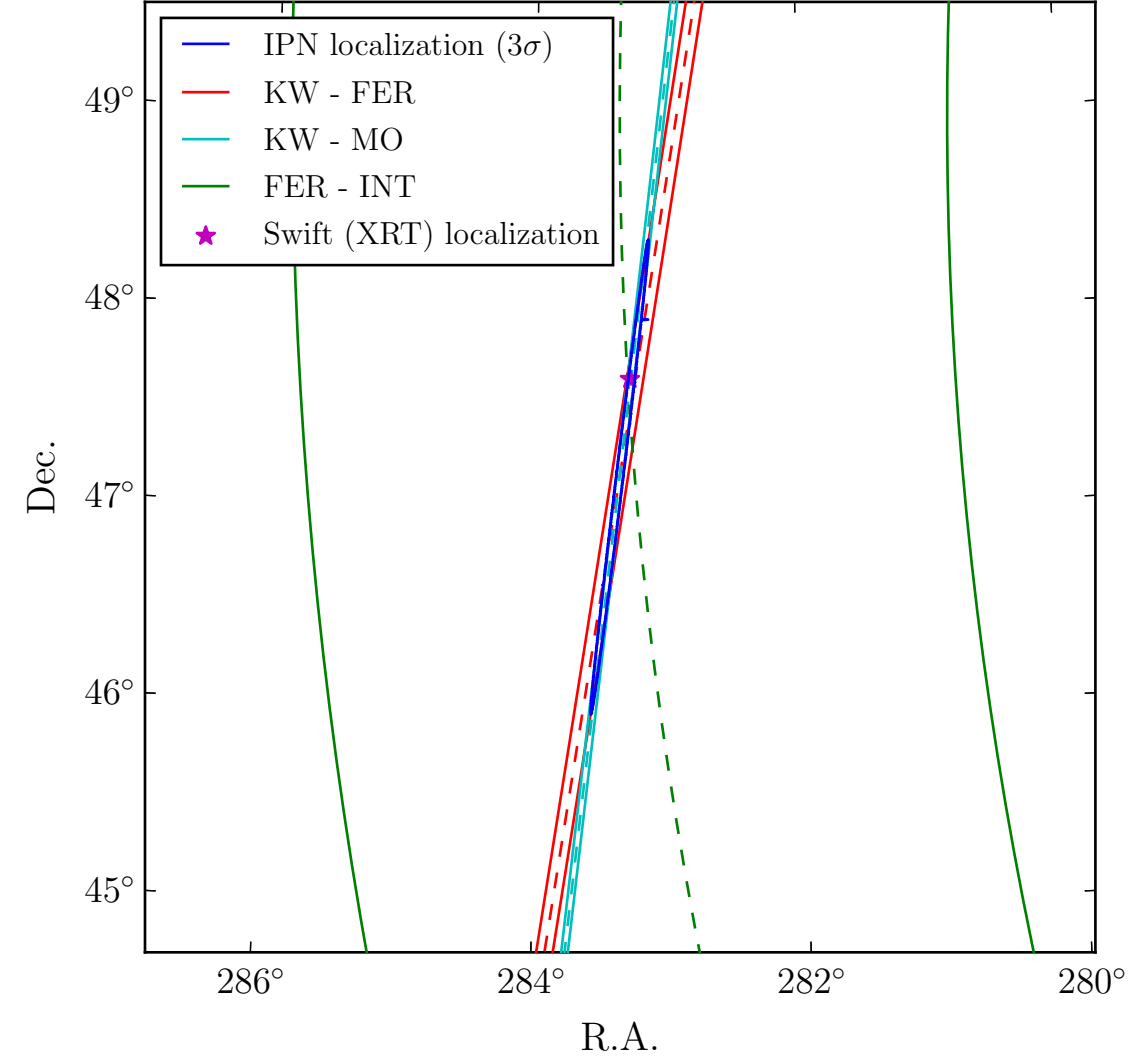
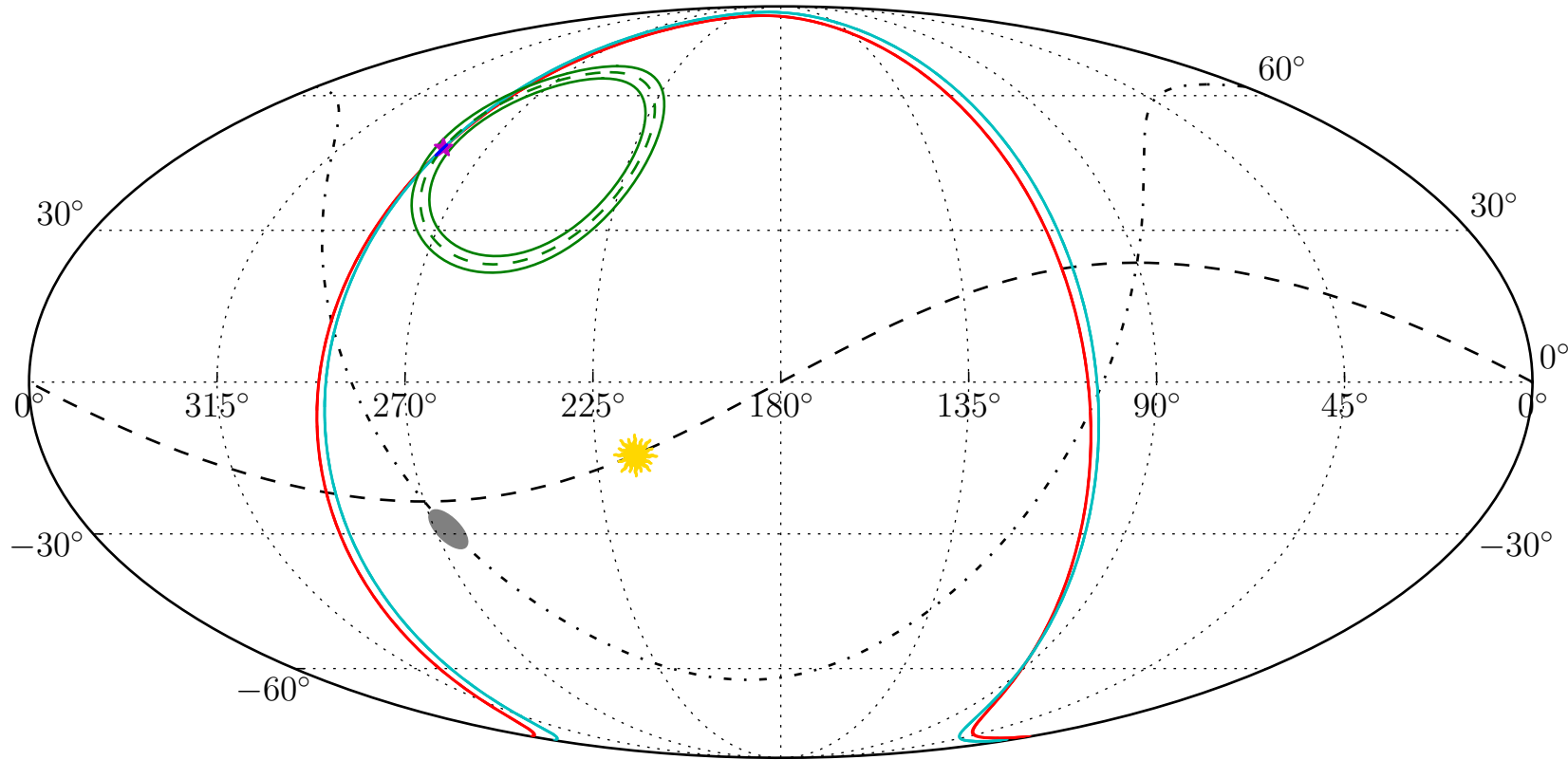
# GRB191025B (2019-10-25 T<sub>0</sub>=67331.034 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	6.6234	8.3074	63.5500	0.0998
KW - INS	9.4238	3.5085	66.3783	0.0668

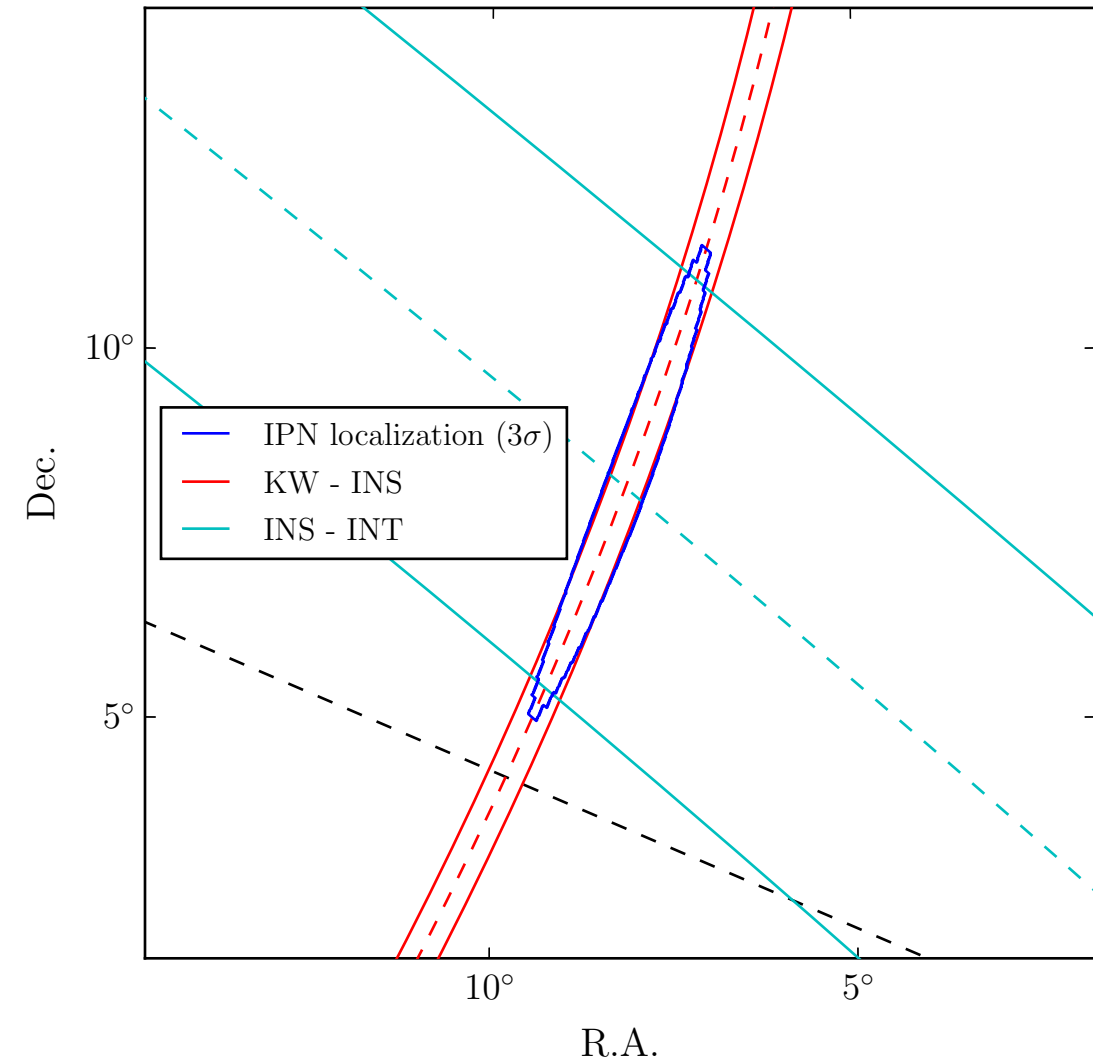
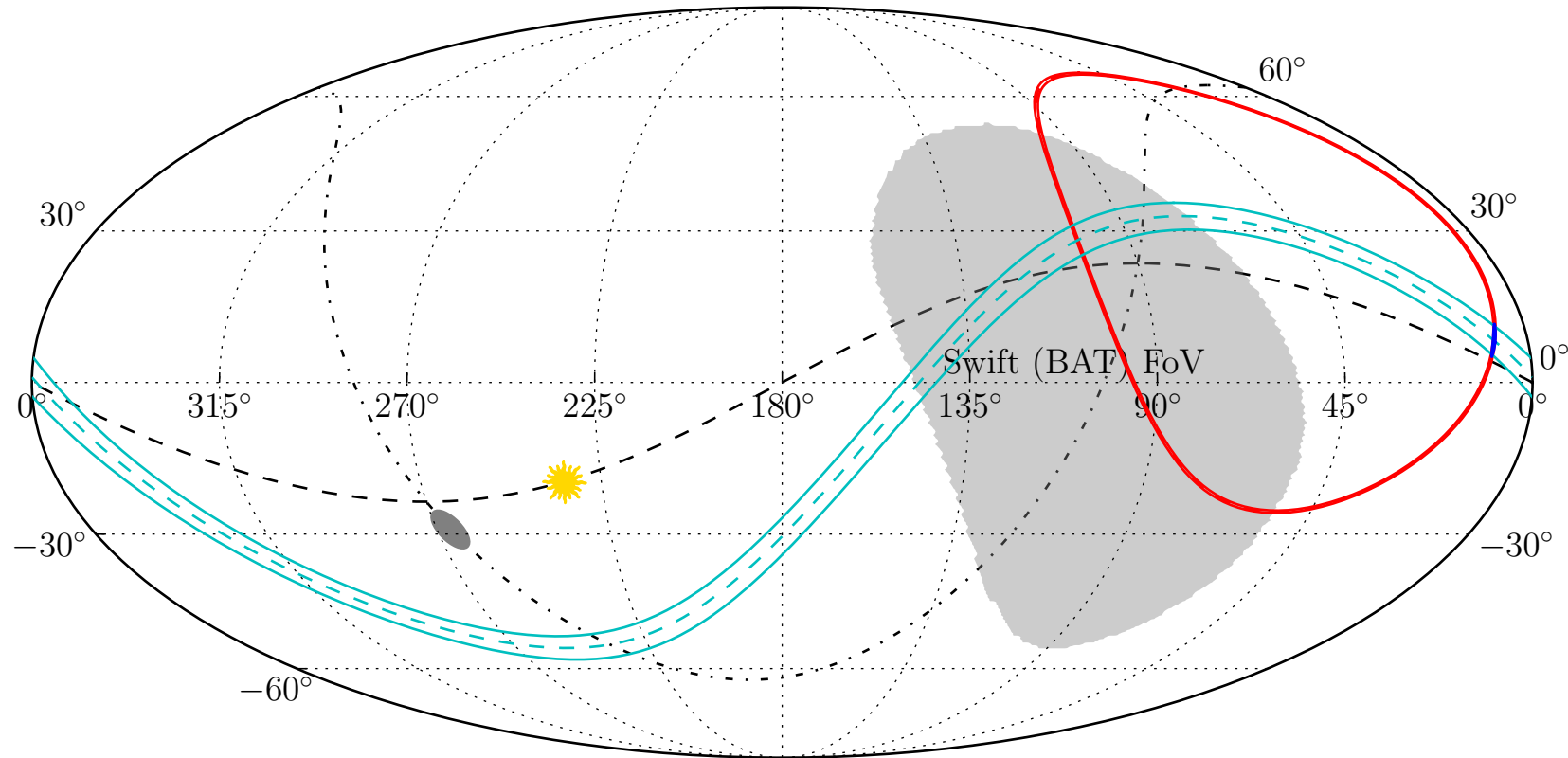
# GRB191031D (2019-10-31 T<sub>0</sub>=77011.324 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	18.5260	7.6163	87.9061	0.0415
KW - MO	16.6076	6.1635	87.6799	0.0167
FER - INT	252.3850	44.6005	21.5012	1.6599

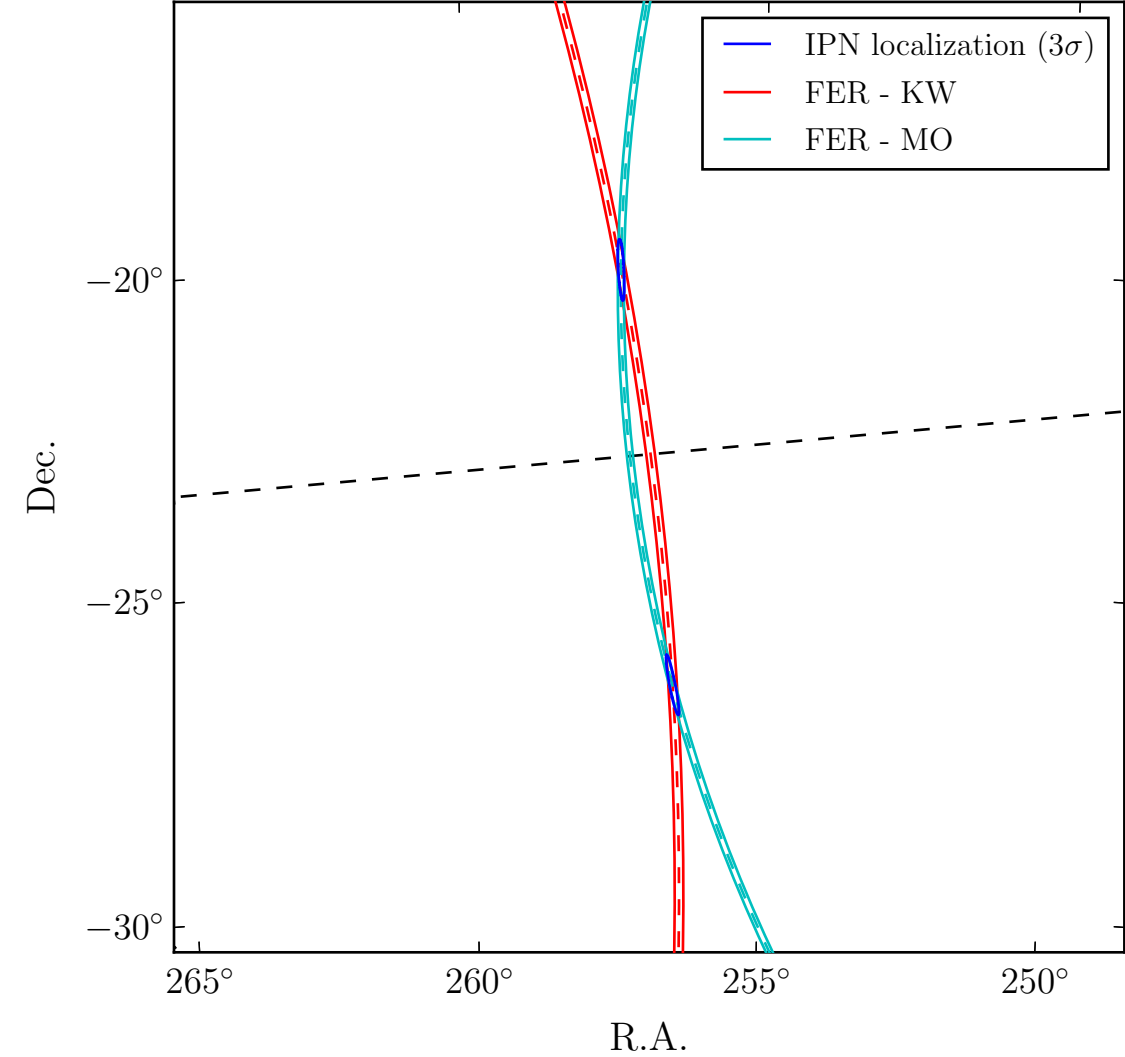
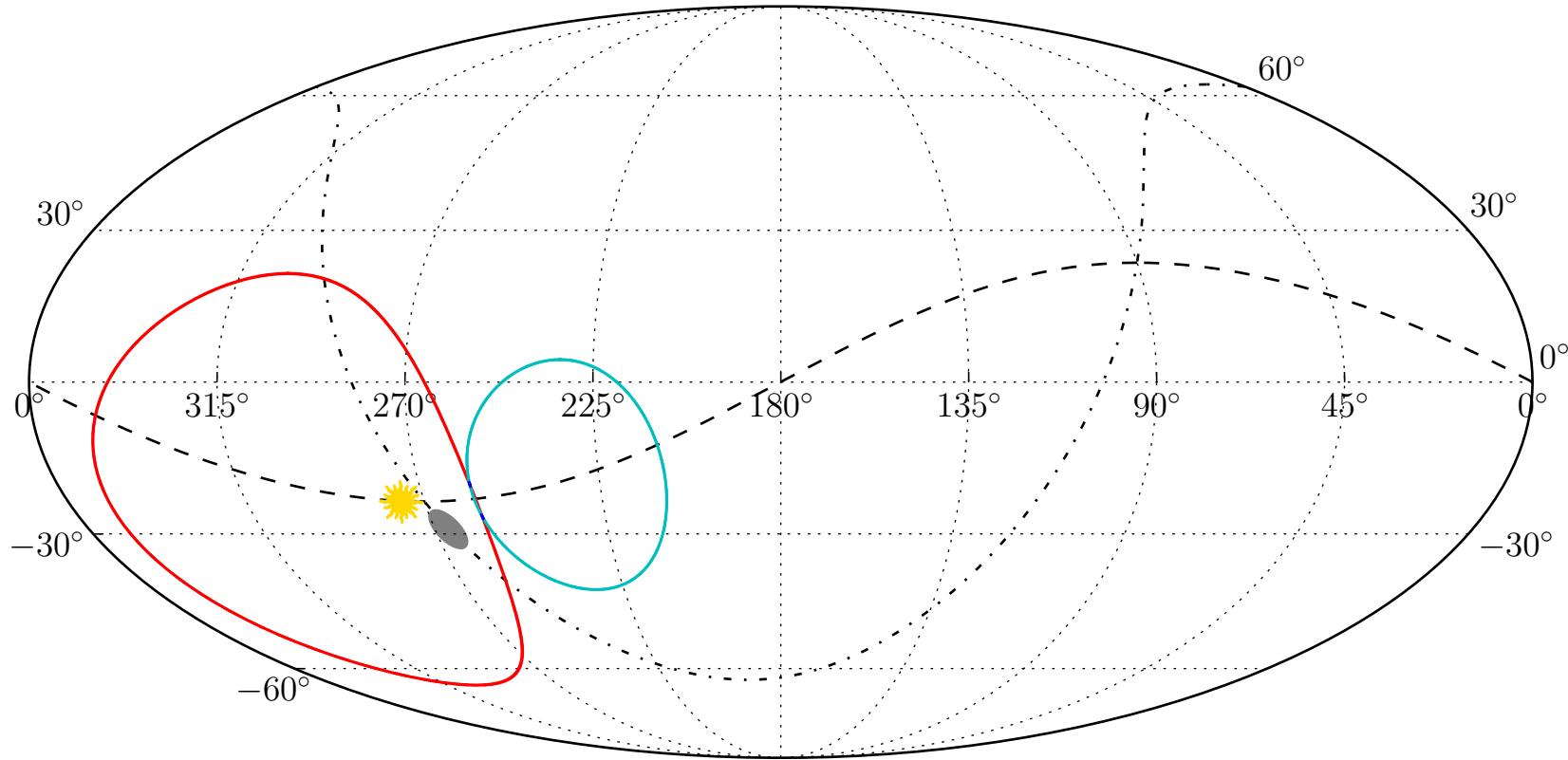
GRB20191119\_T38469 (2019-11-19  $T_0=38469.935$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INS	53.7946	20.2547	45.7030	0.2495
INS - INT	73.0342	-45.9809	79.0521	2.7977

# GRB191227B (2019-12-27 T<sub>0</sub>=62500.487 s, UT)

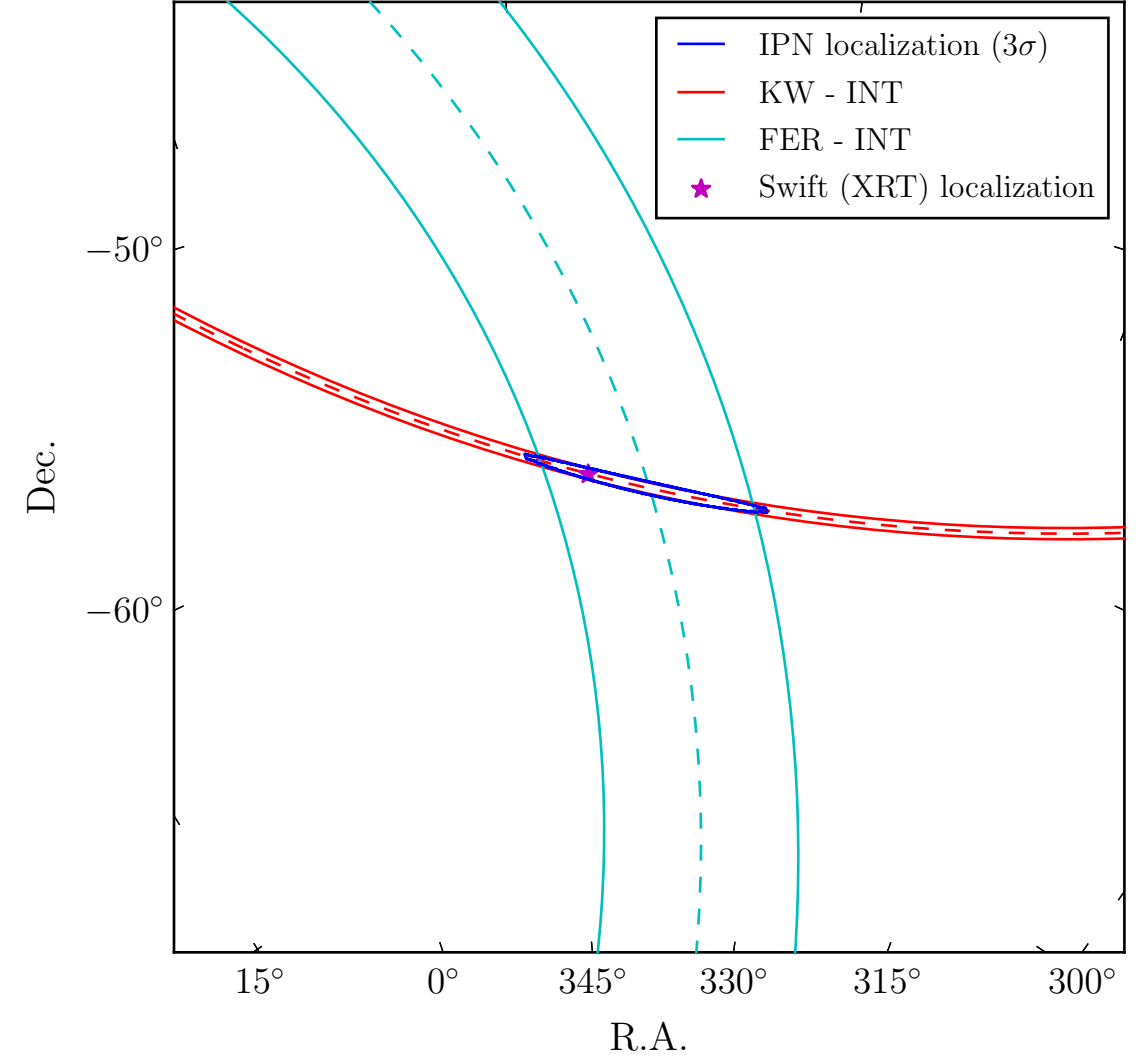
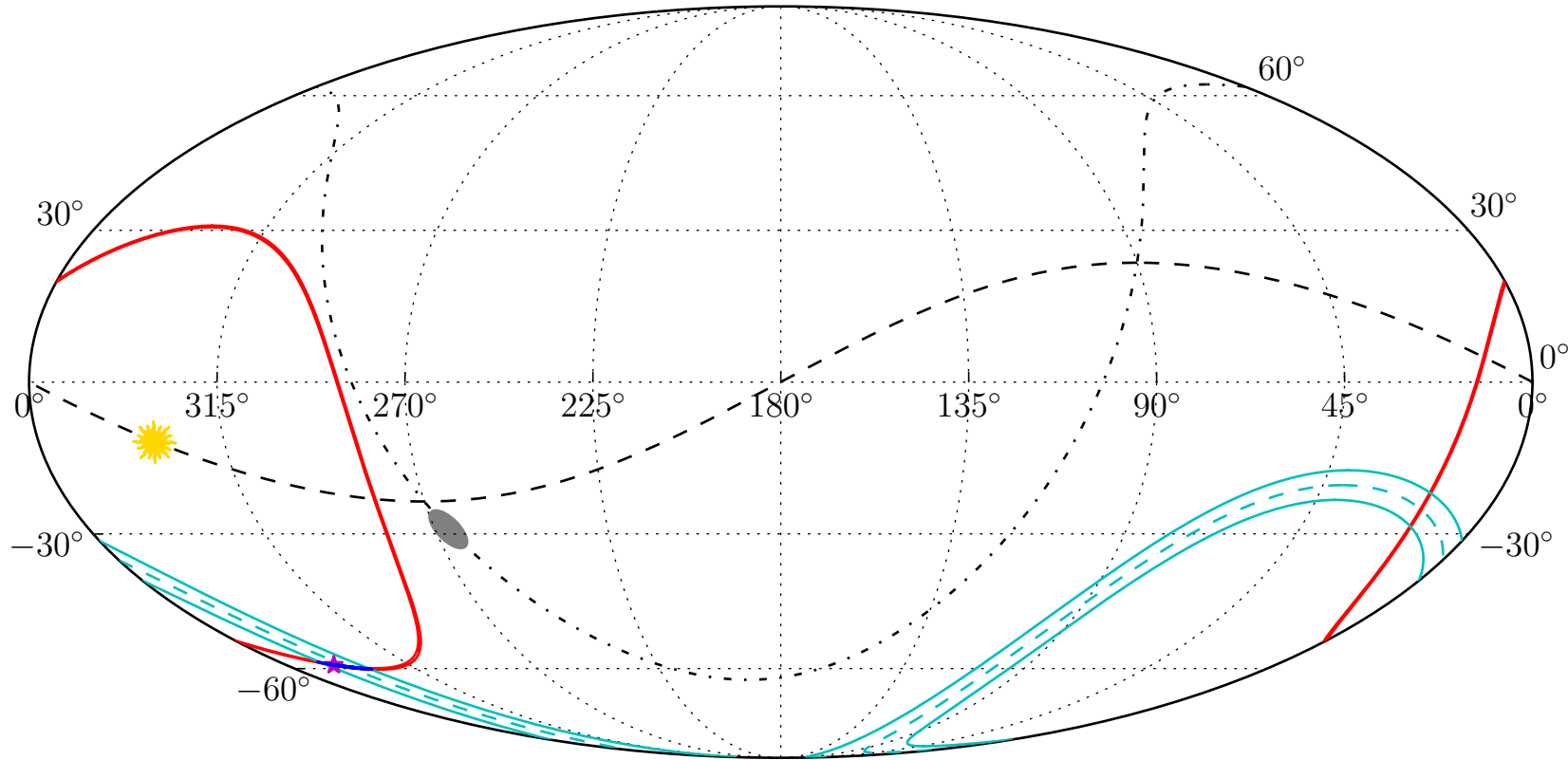


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - KW	303.2757	-21.5032	42.7747	0.0674
FER - MO	232.9901	-18.6787	23.0528	0.0478



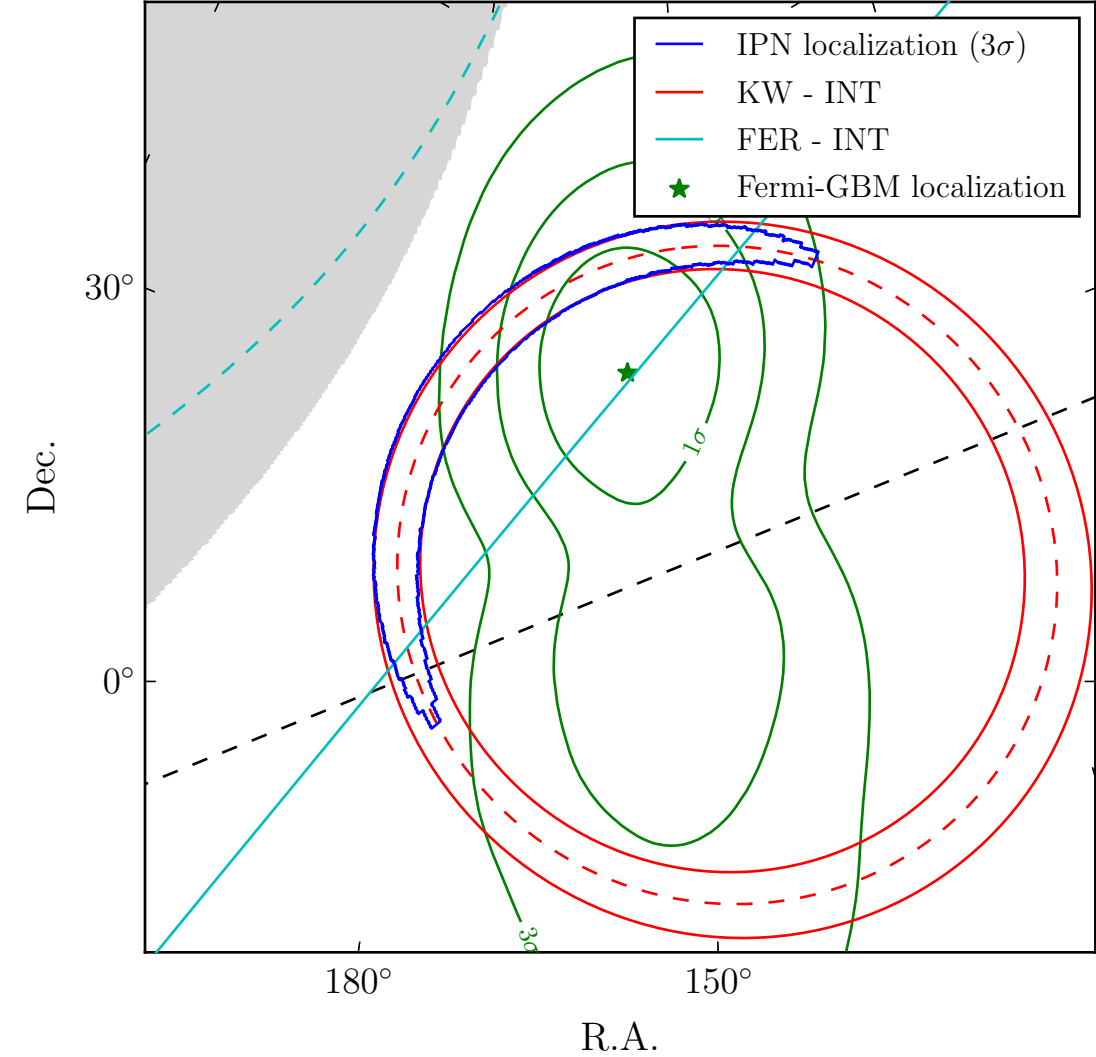
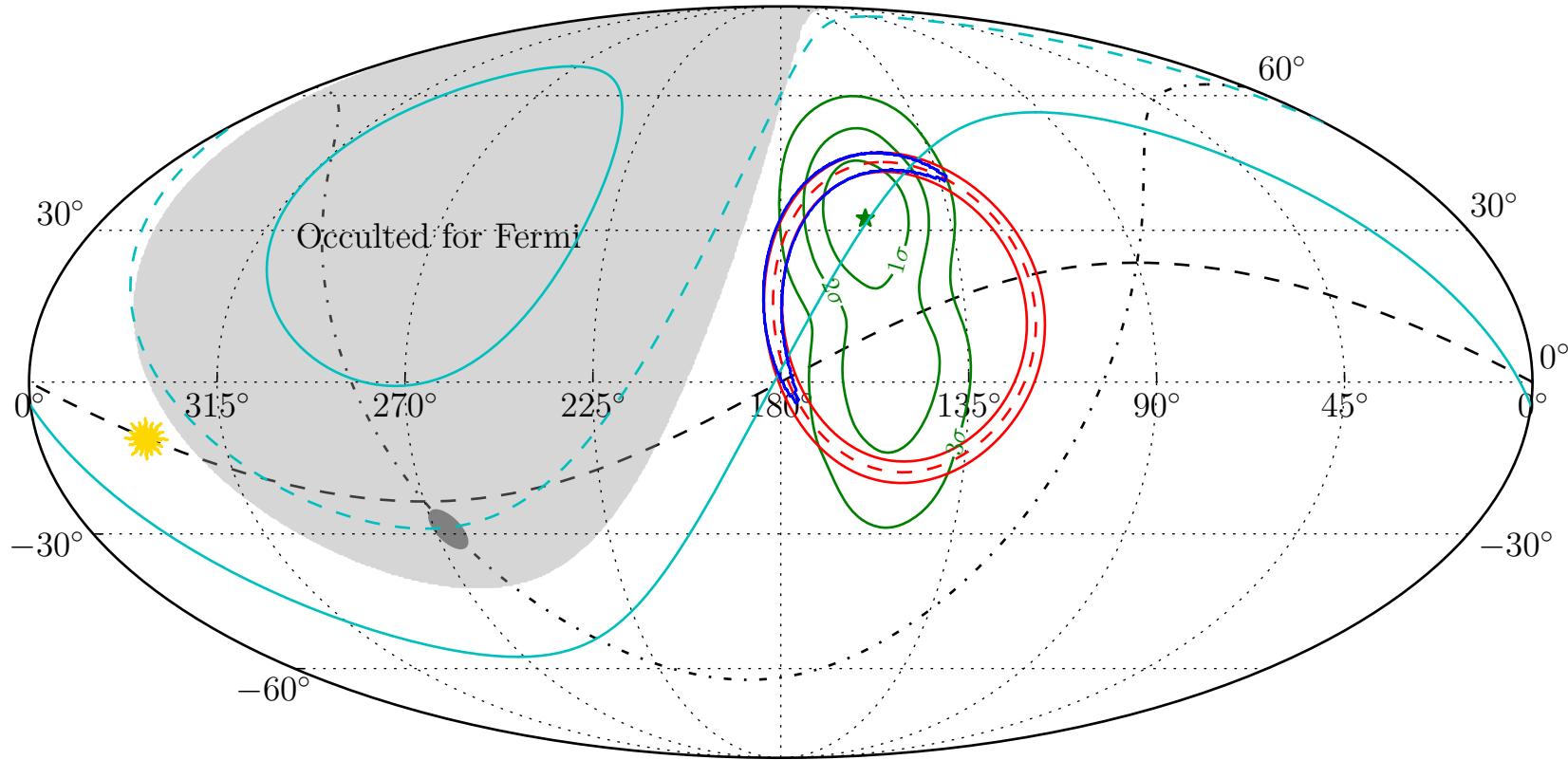
# GRB200219A (2020-02-19 $T_0=27405.513$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	329.7425	-14.6619	45.4565	0.1699
FER - INT	40.1430	-53.3096	33.1491	2.9485

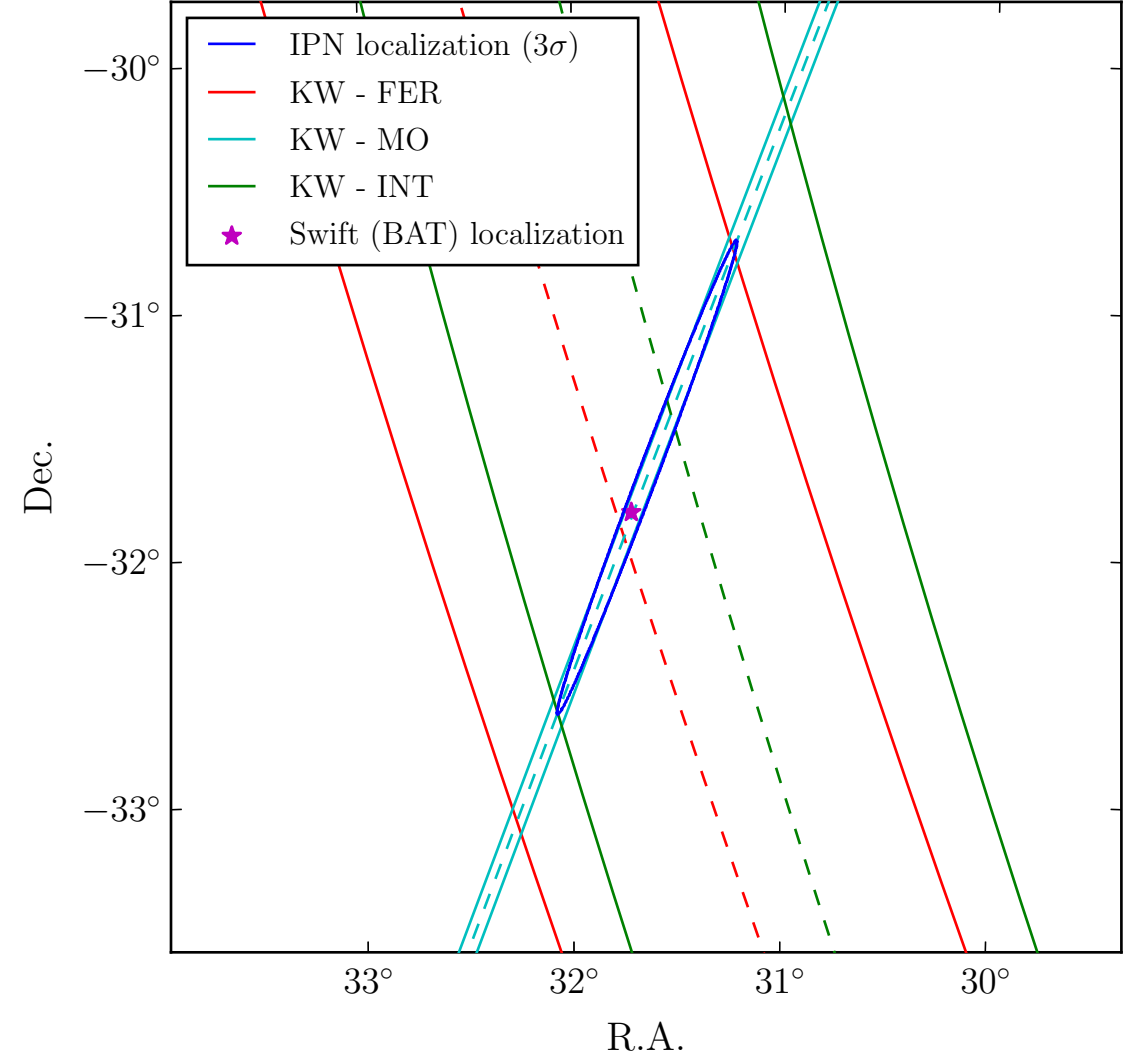
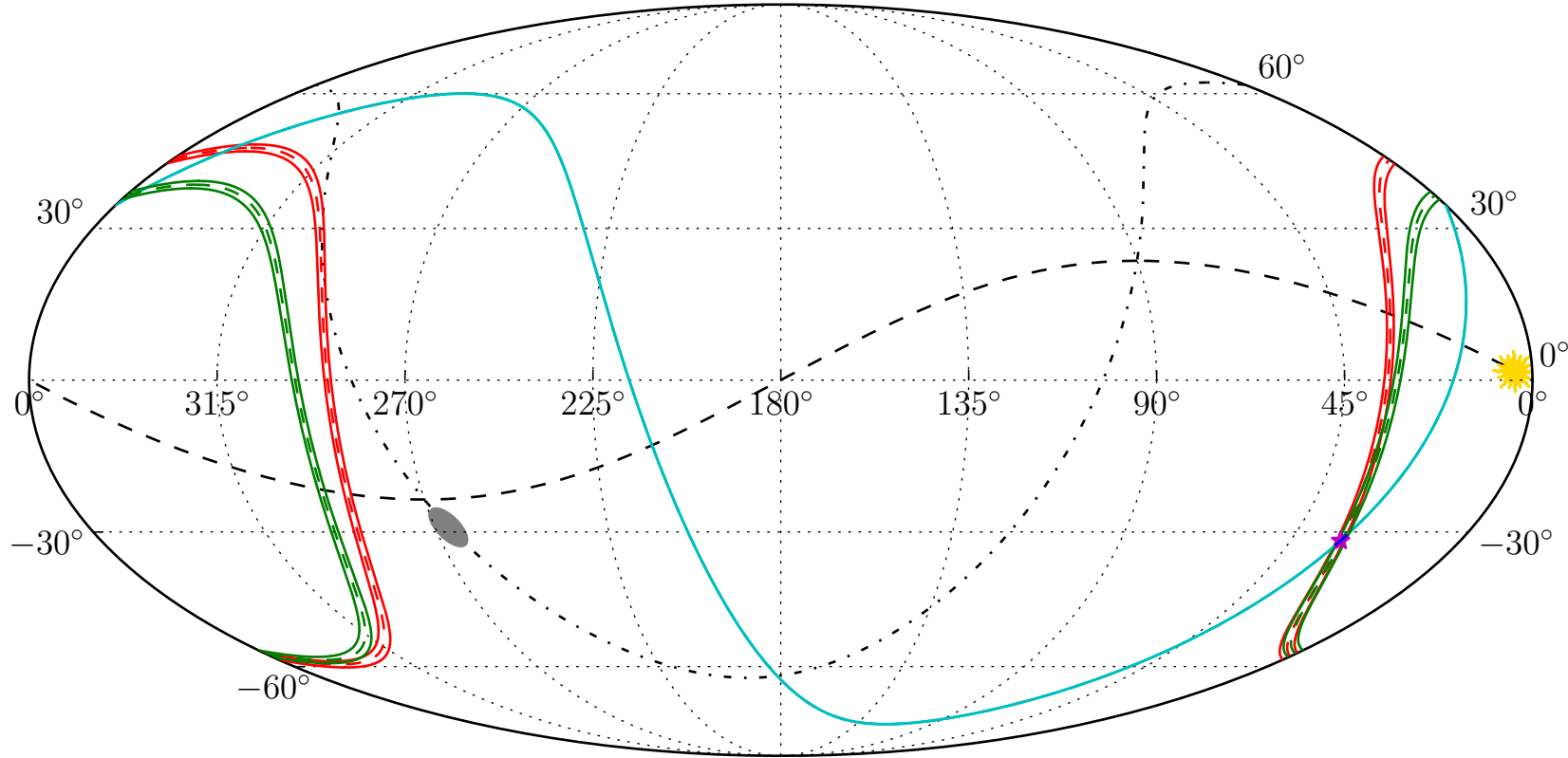
# GRB200221A (2020-02-21 $T_0=13983.511$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	149.8862	13.4238	31.0430	2.1267
FER - INT	272.2747	33.4816	62.4177	28.1819

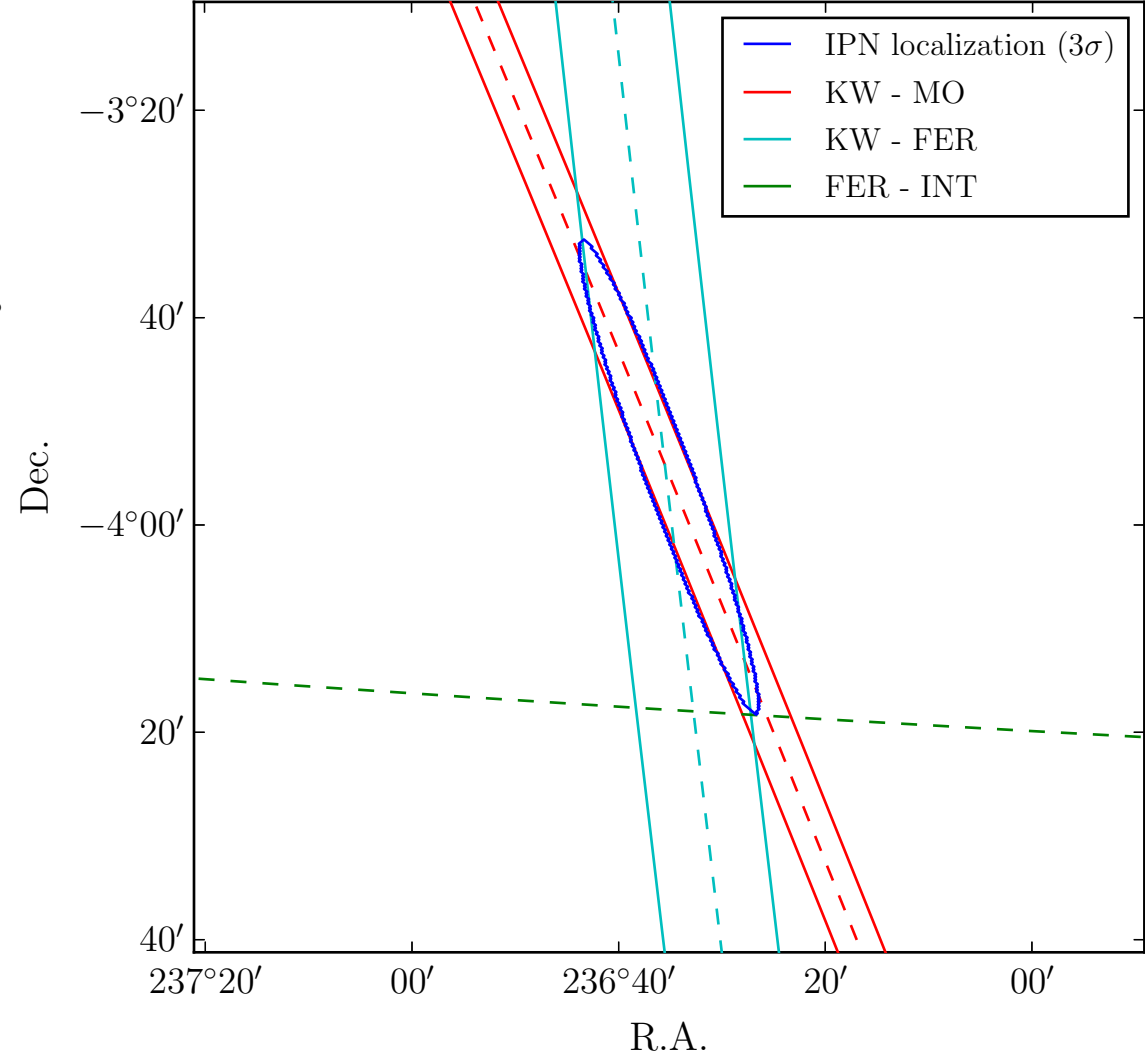
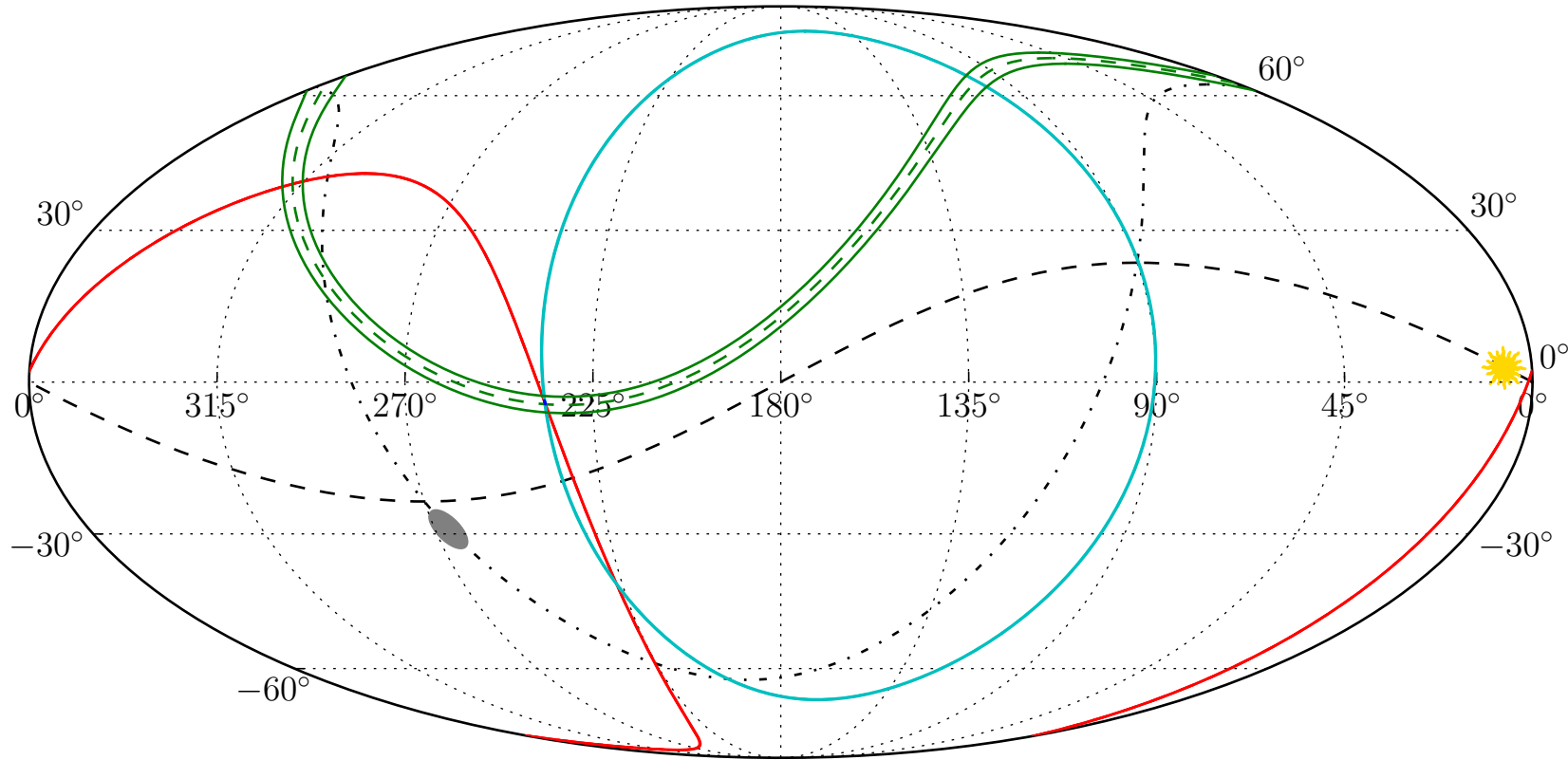
# GRB200325A (2020-03-25 $T_0=11908.659$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	341.5950	-6.1308	53.3343	0.7733
KW - MO	297.6190	-21.8788	81.9400	0.0340
KW - INT	344.3582	-9.6169	48.7726	0.7812

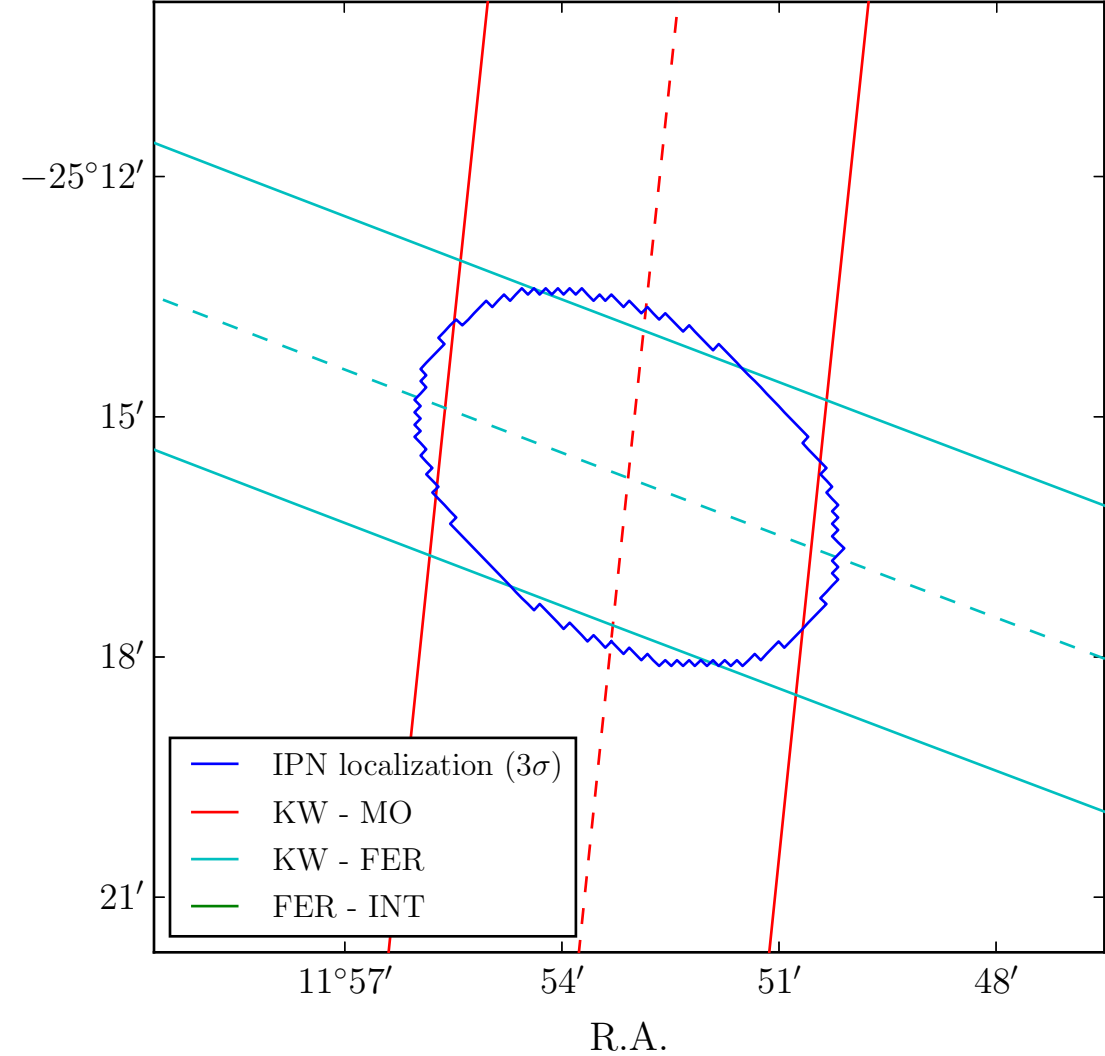
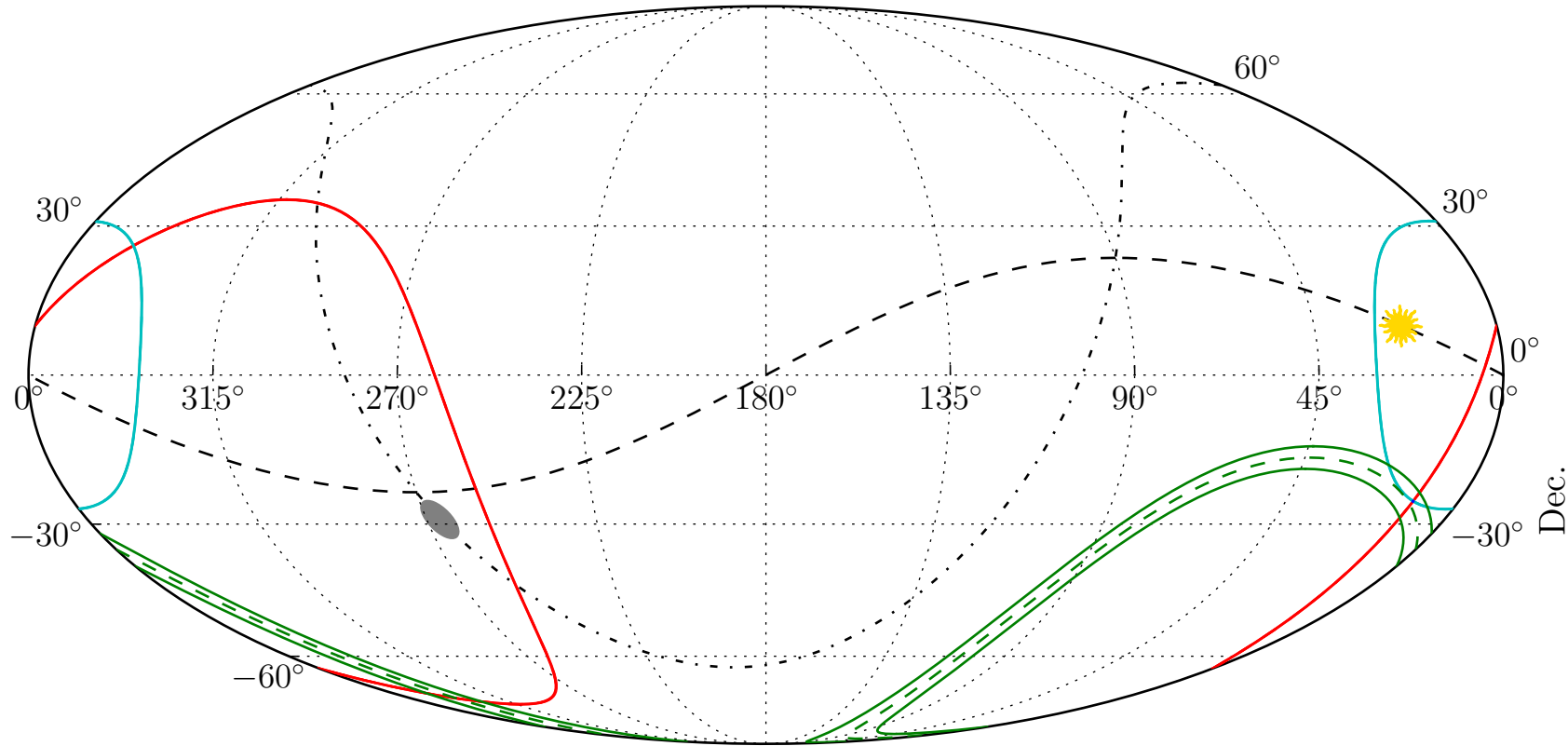
GRB200327A (2020-03-27  $T_0=75409.744$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	299.6394	-21.5677	63.5406	0.0355
KW - FER	163.7119	5.1316	73.3562	0.0912
FER - INT	231.6714	52.7504	57.1994	1.5903

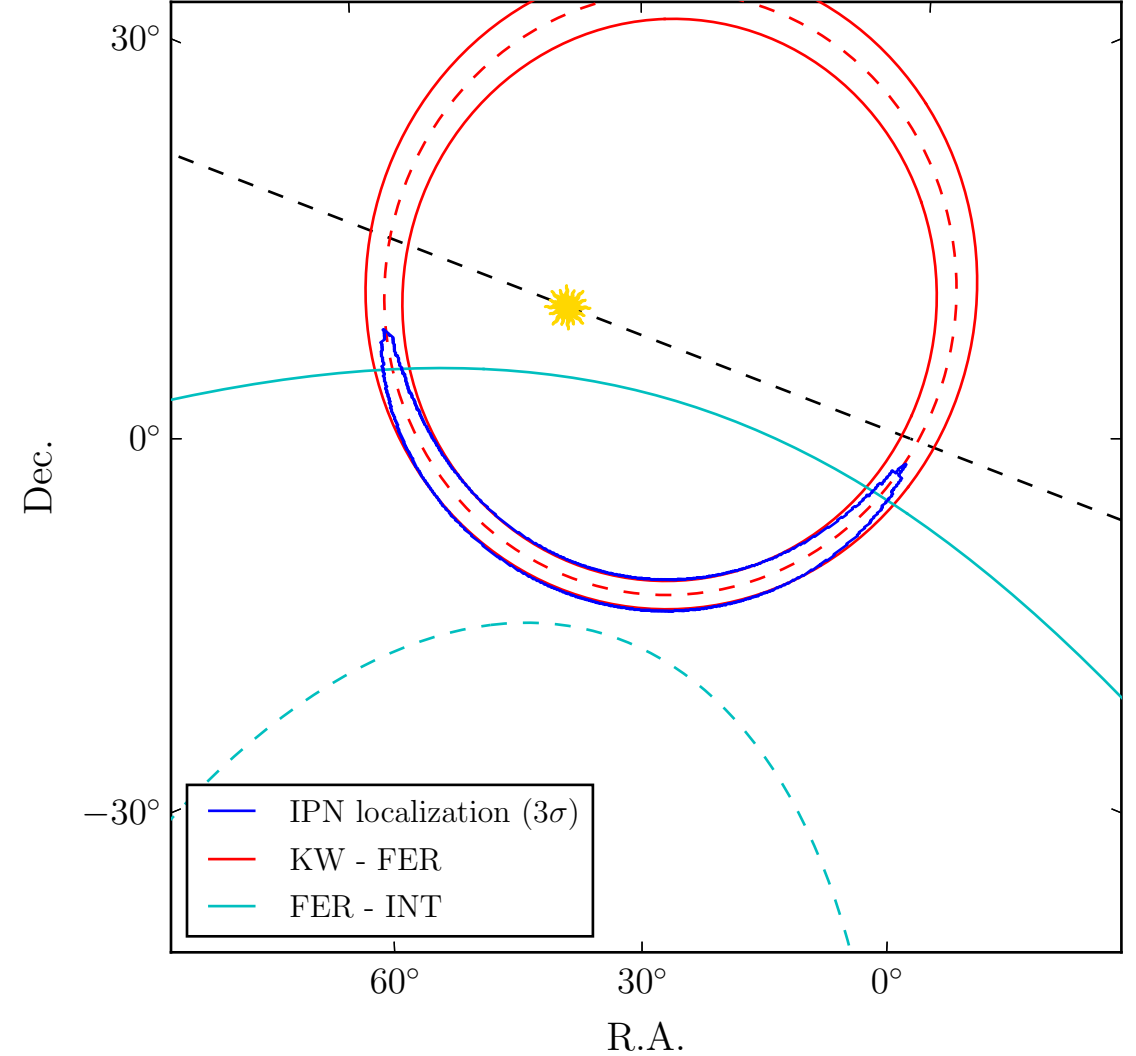
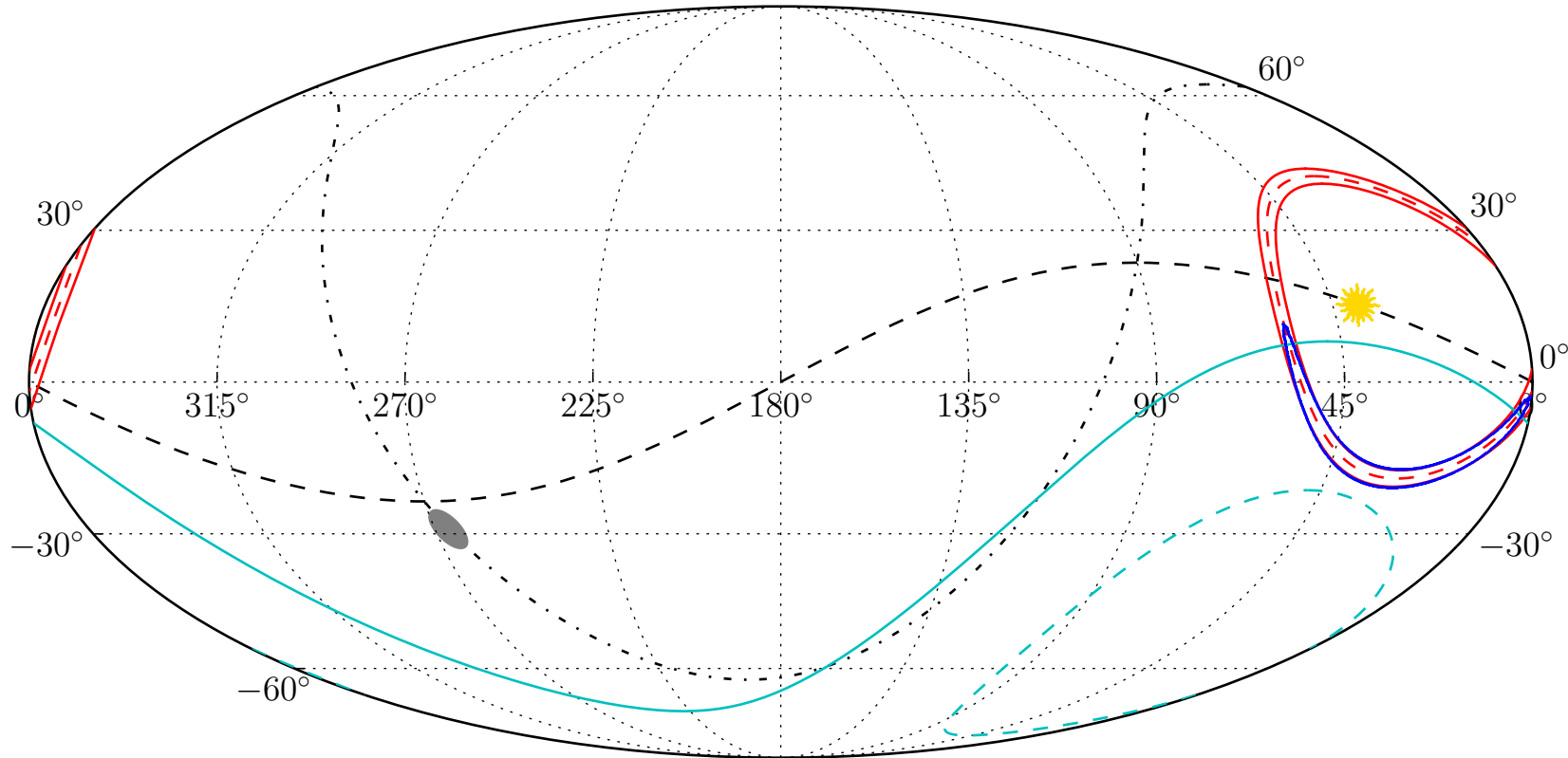
# GRB200415A (2020-04-15 $T_0=31681.401$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	313.0127	-18.9203	54.5050	0.0394
KW - FER	1.9406	2.0665	28.9781	0.0298
FER - INT	43.8540	-51.4087	34.9974	2.2690

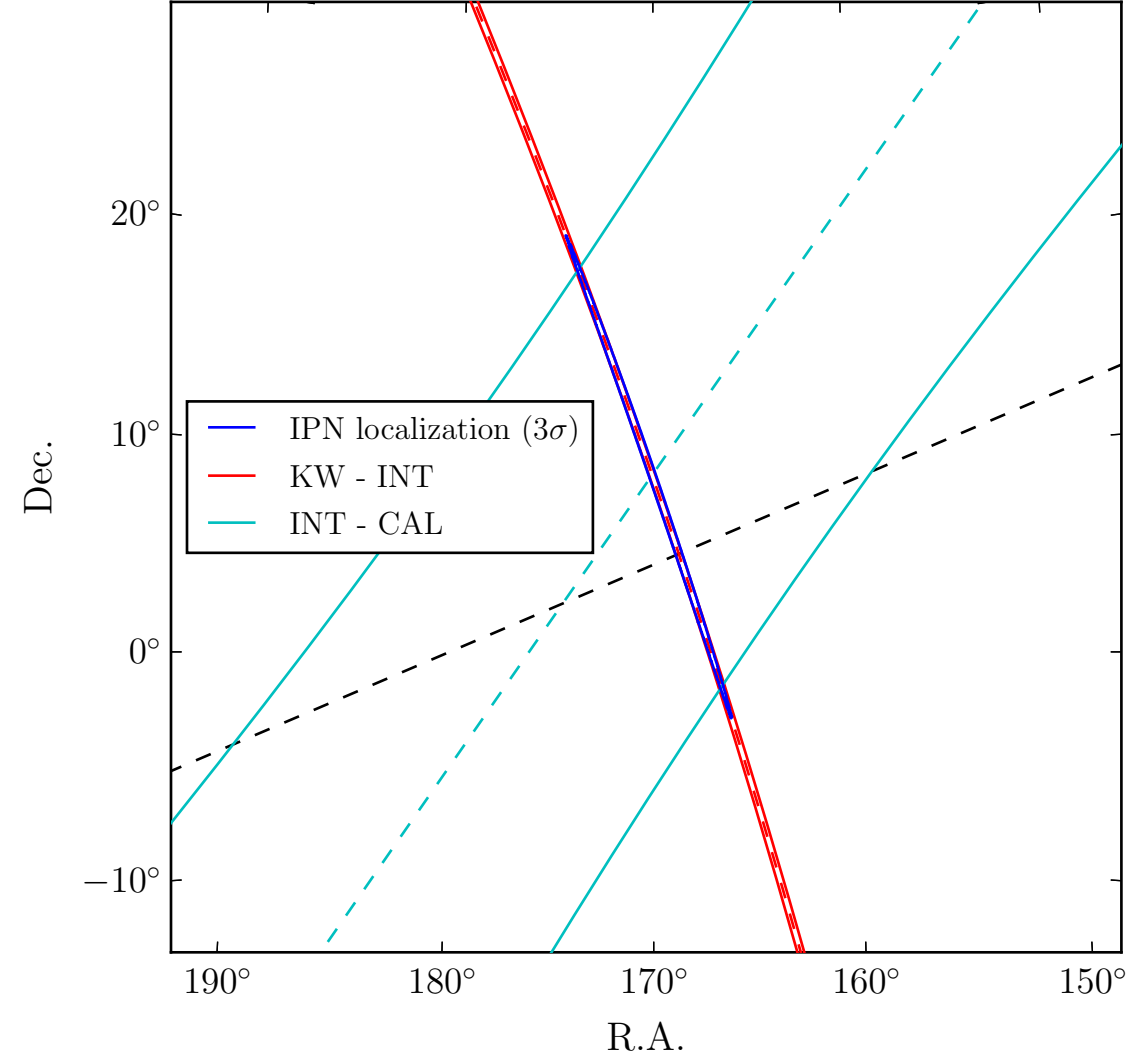
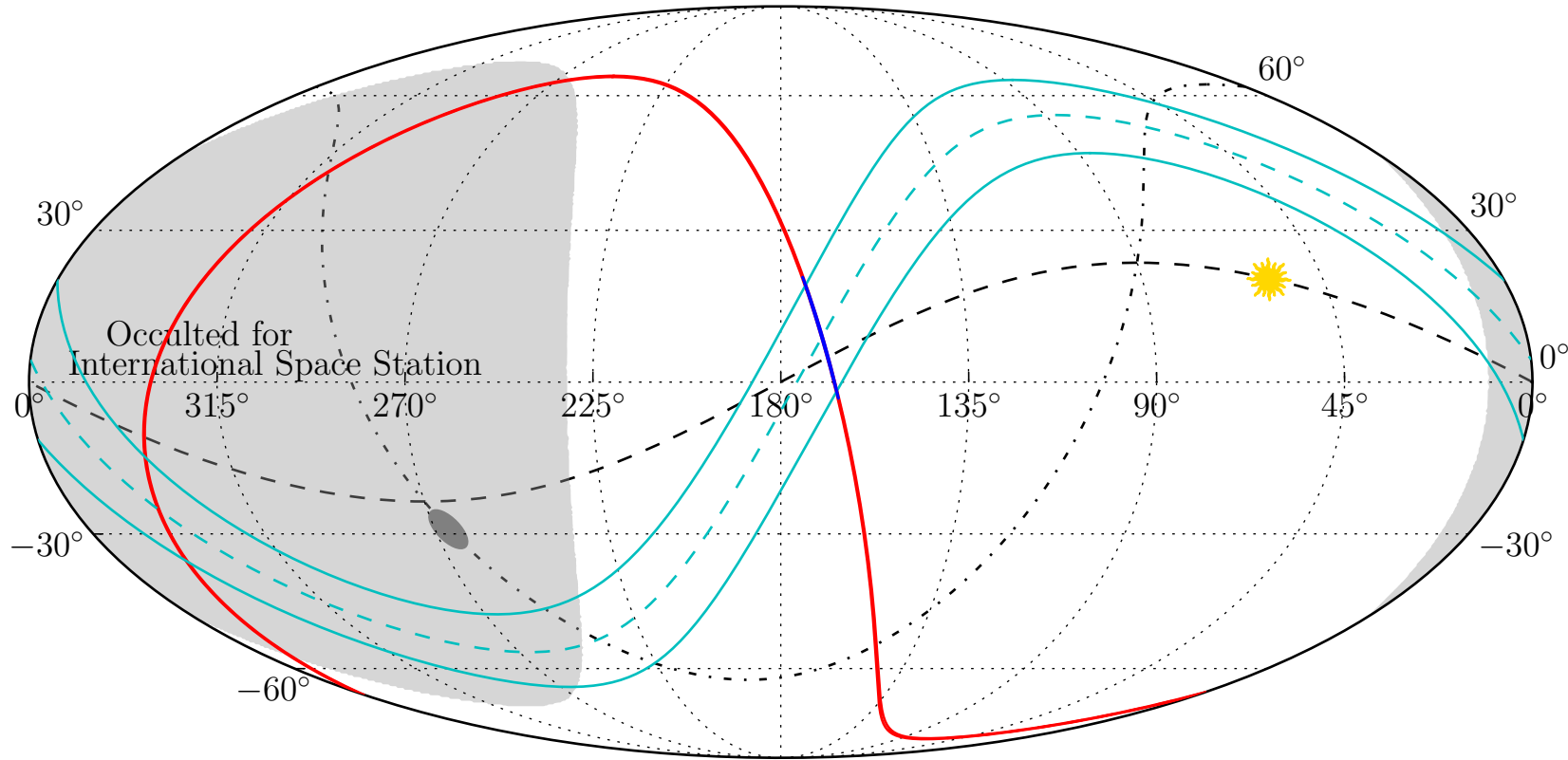
# GRB200501A (2020-05-01 $T_0=37541.251$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	27.3248	11.2582	30.1309	1.6291
FER - INT	48.3651	-50.2709	29.0856	29.0856

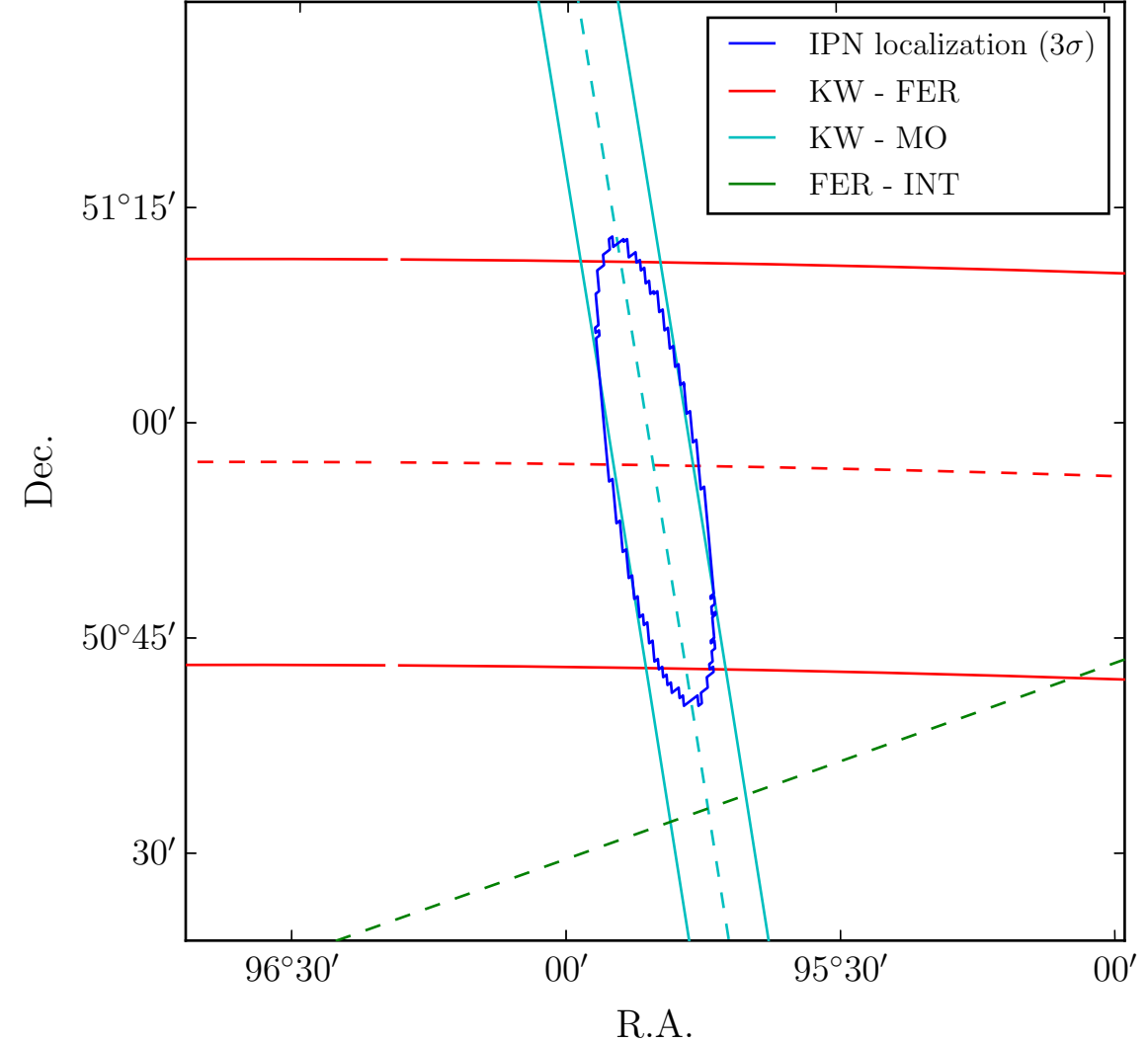
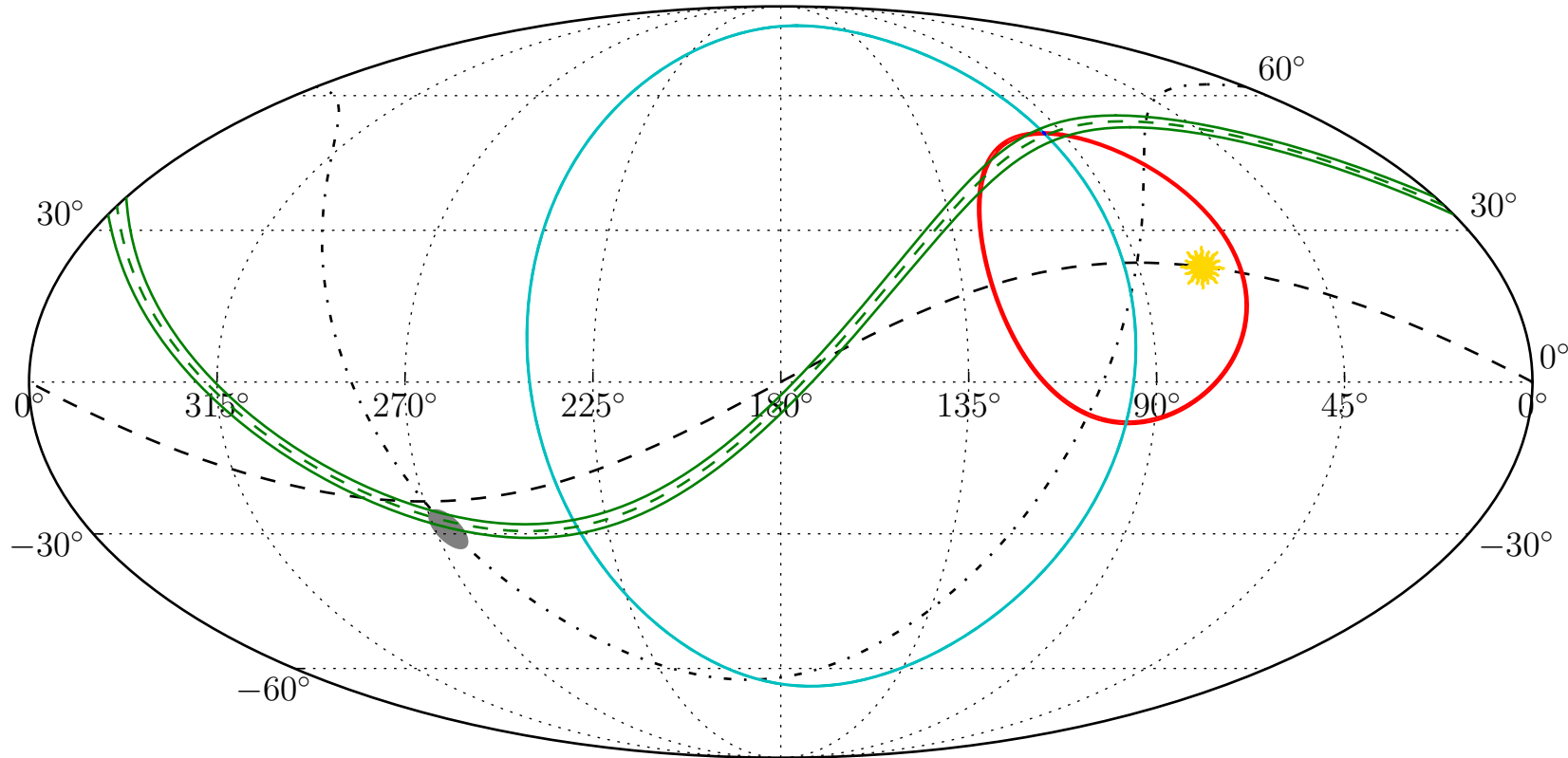
# GRB200521A (2020-05-21 T<sub>0</sub>=44201.268 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	249.0257	-17.2387	82.2254	0.1534
INT - CAL	86.5724	-34.3880	89.6457	8.7874

# GRB200605A (2020-06-05 $T_0=65858.111$ s, UT)

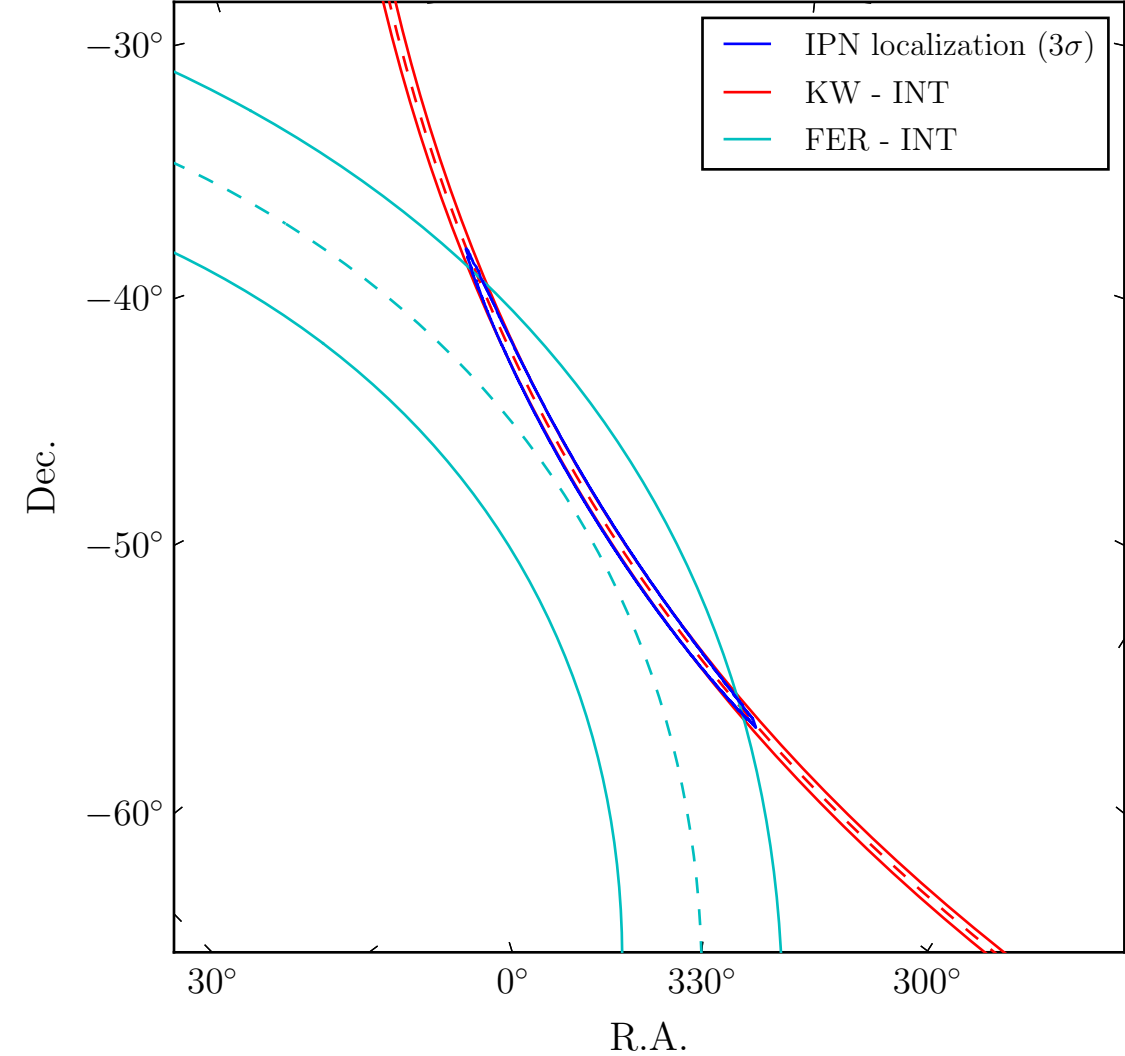
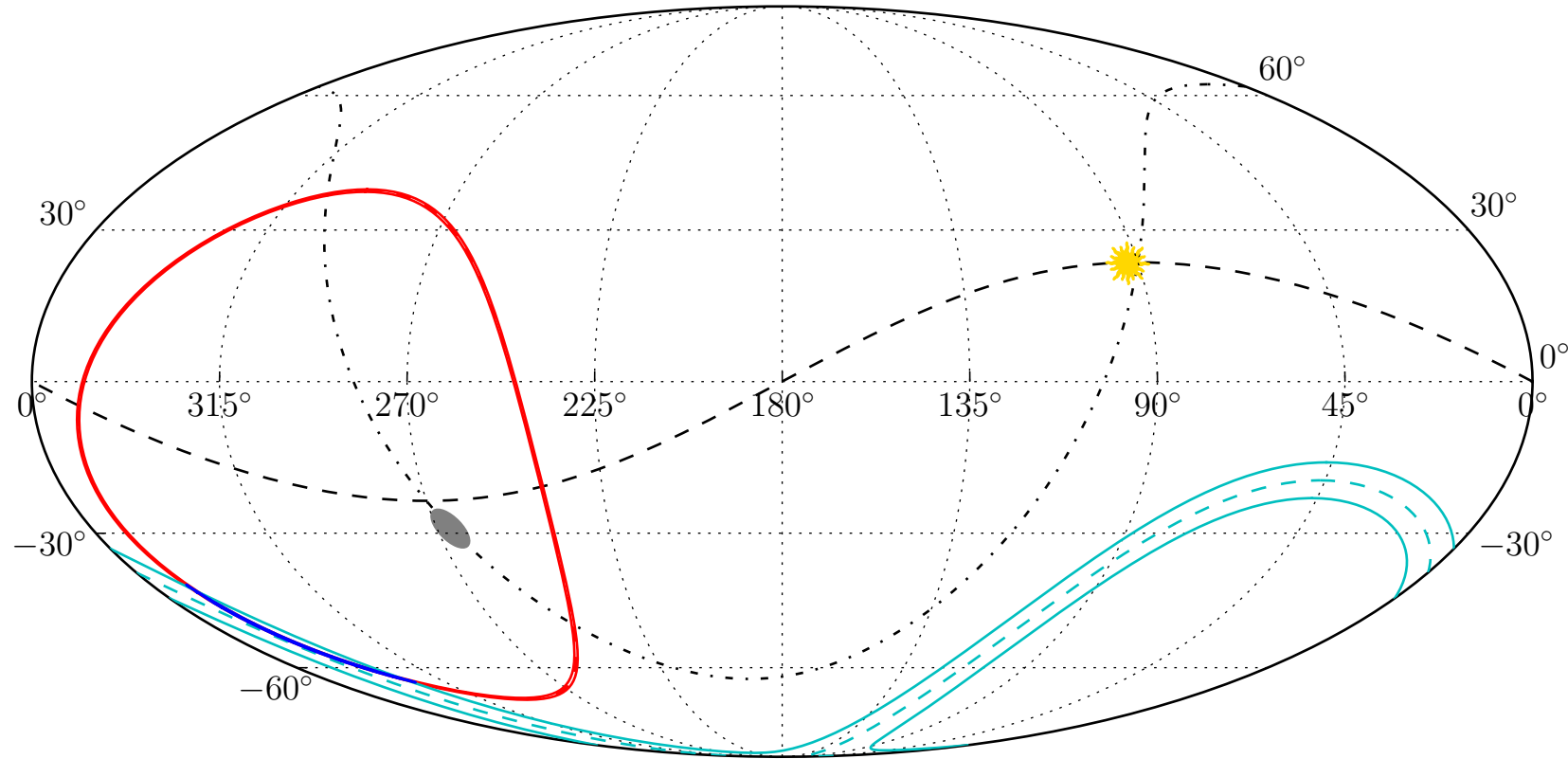


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	96.3071	21.5120	29.4441	0.2358
KW - MO	167.8112	7.9393	72.5197	0.0456
FER - INT	246.2014	48.3990	77.8501	1.3973



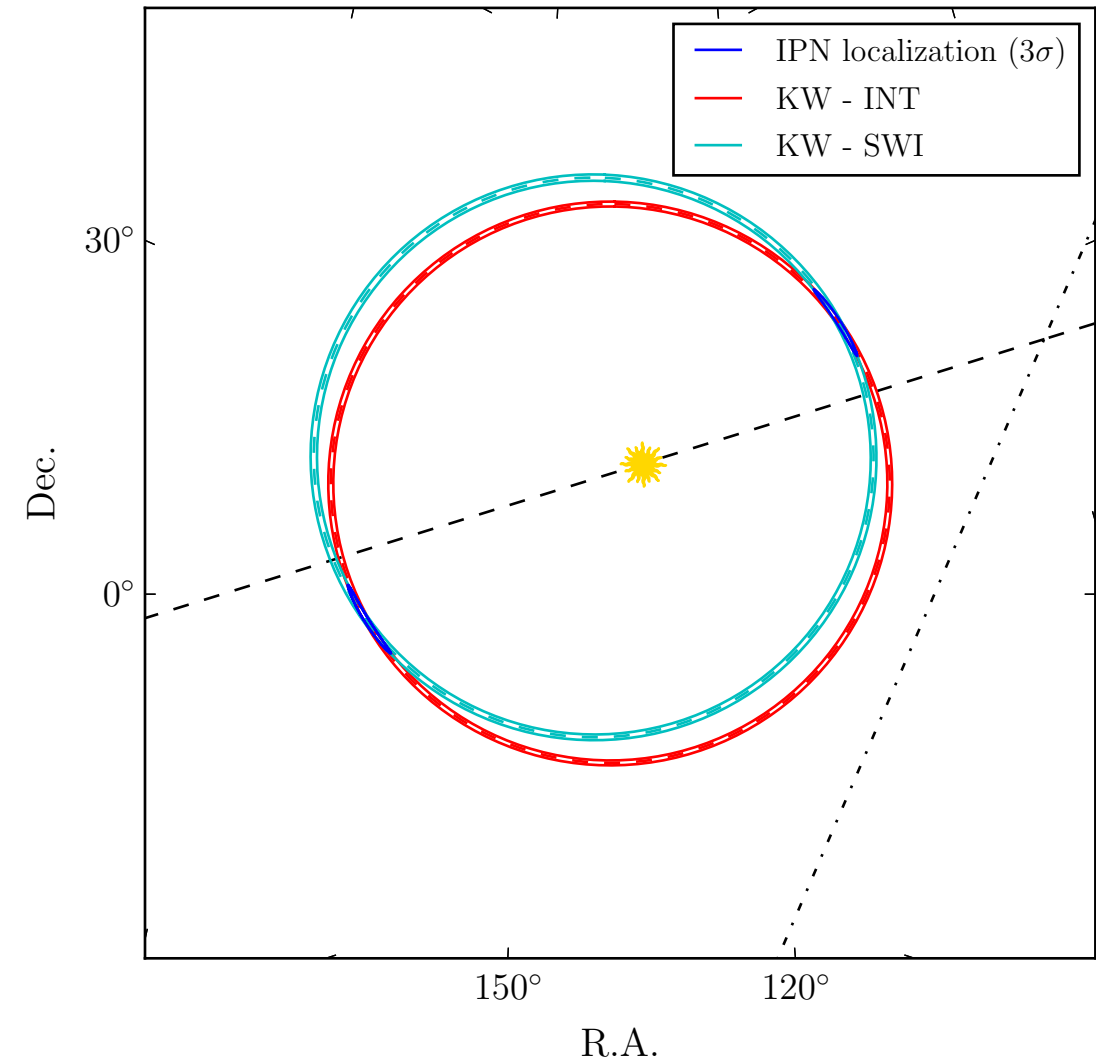
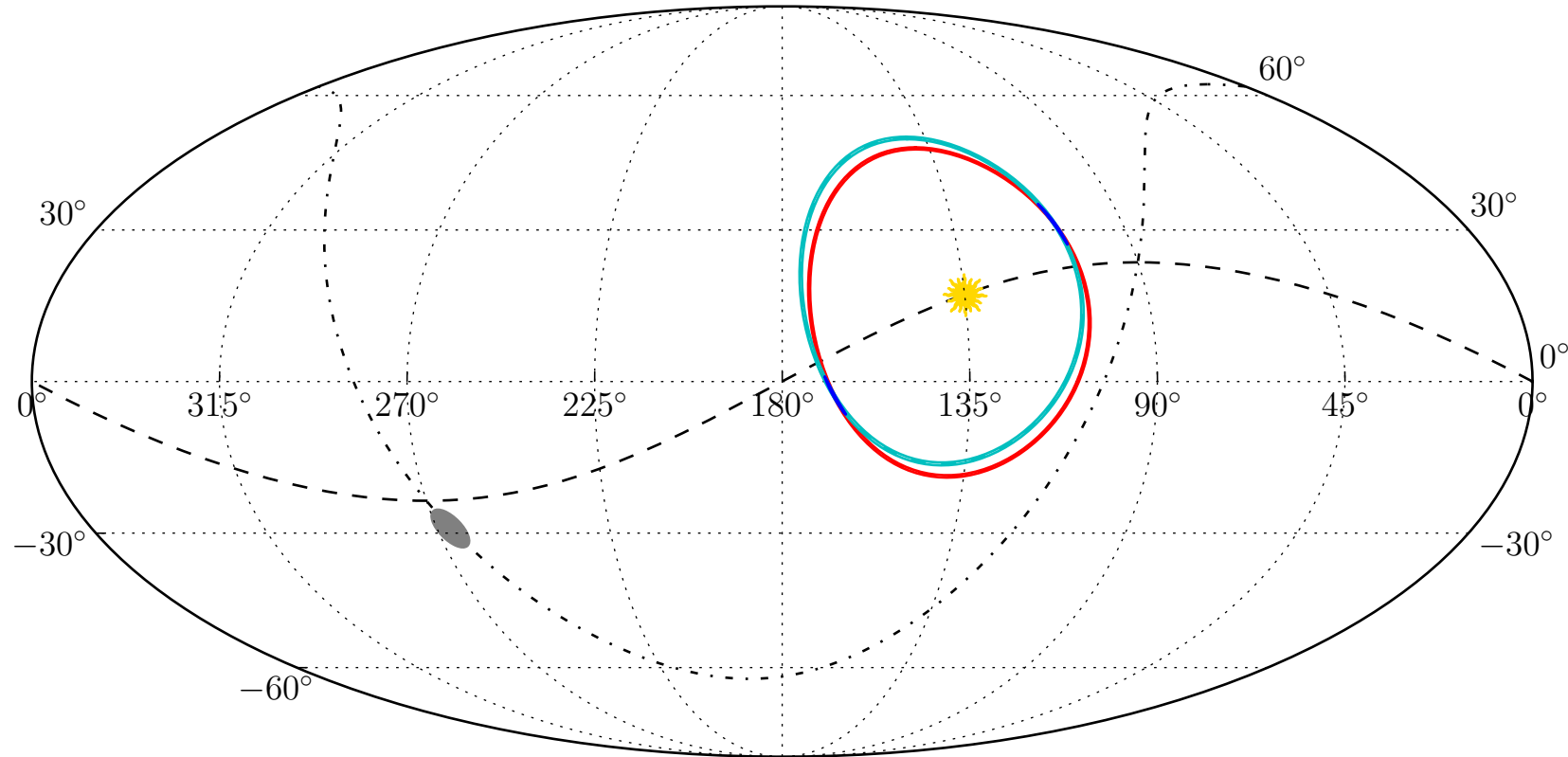
# GRB200623B (2020-06-23 $T_0=64972.561$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	295.9186	-15.0055	53.2459	0.2610
FER - INT	46.3035	-54.3373	35.0031	3.5527

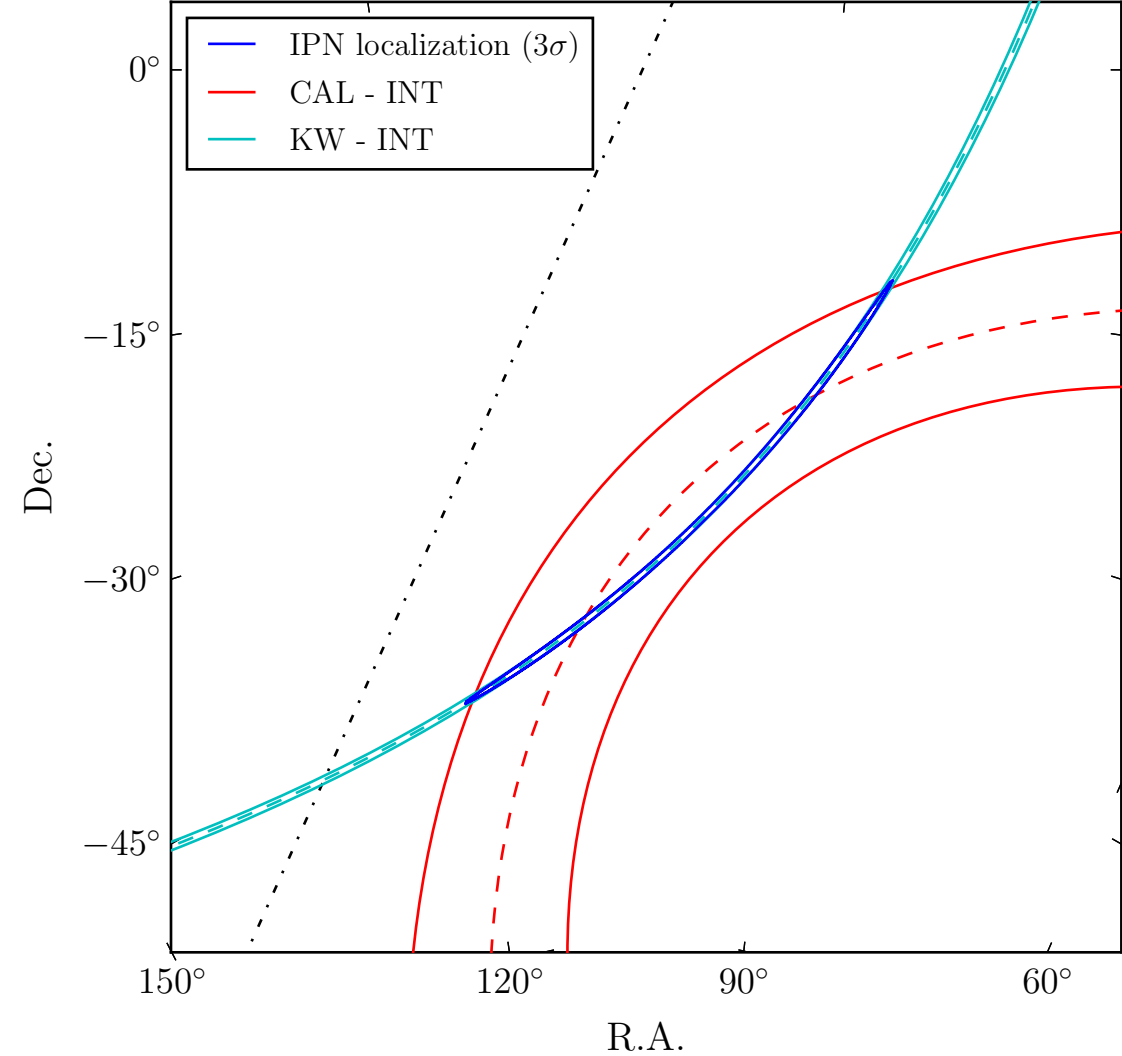
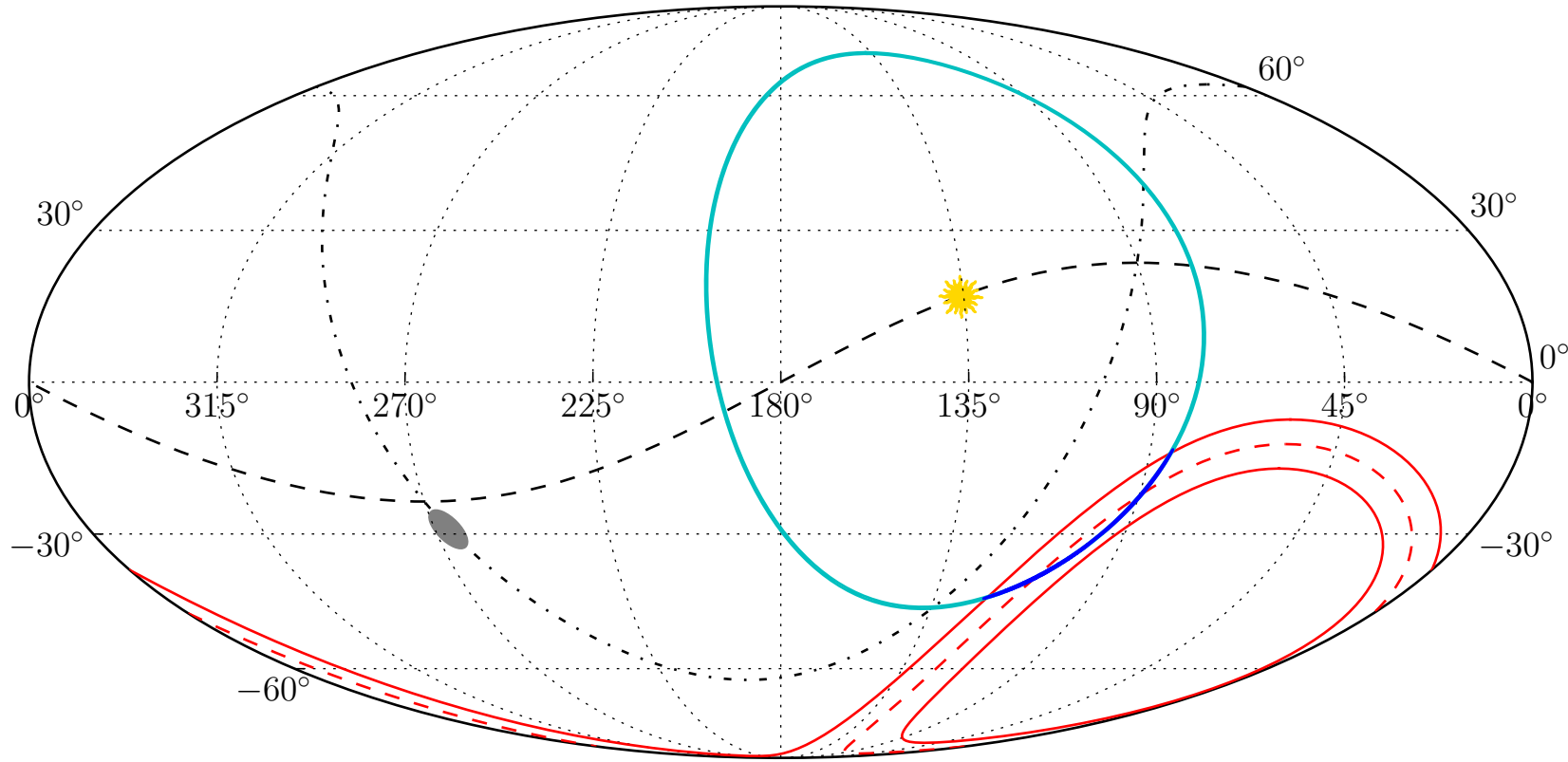
GRB20200804\_T63521 (2020-08-04 T<sub>0</sub>=63521.471 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	139.0967	14.4494	33.0215	0.2308
KW - SWI	140.7269	16.8699	32.9667	0.2821

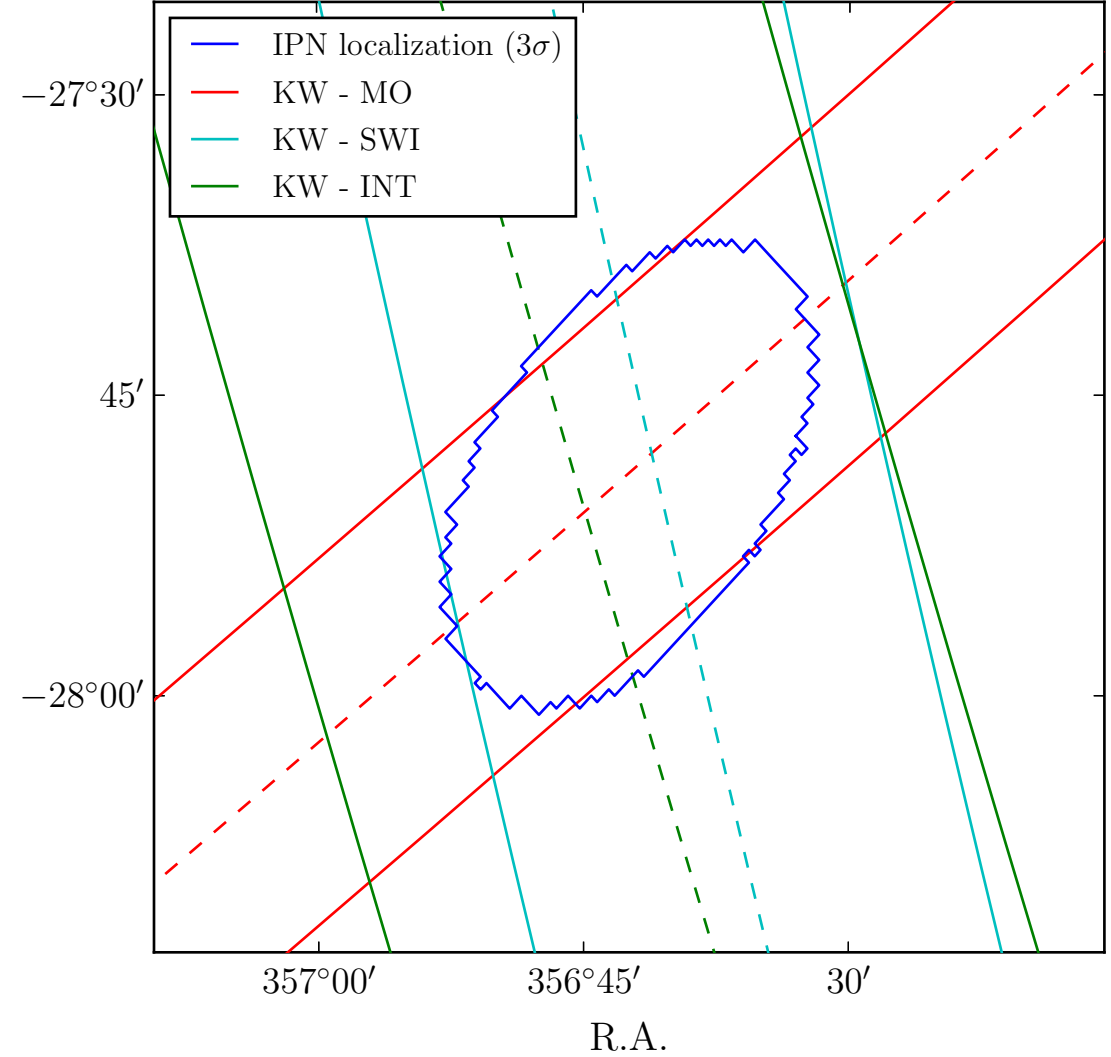
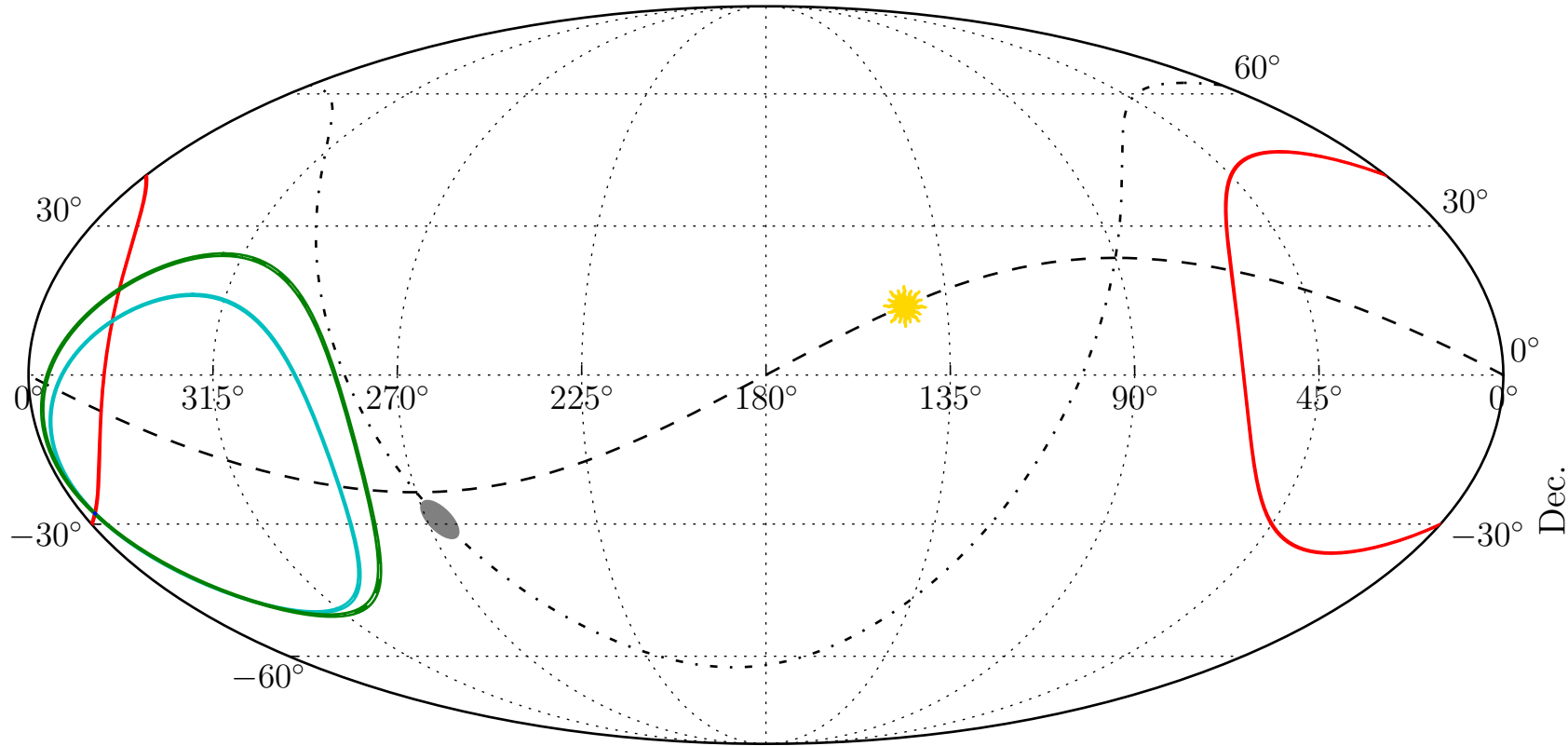
# GRB200805A (2020-08-05 $T_0=48670.022$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
CAL - INT	57.3590	-49.4530	37.3900	4.8000
KW - INT	137.5744	12.8906	58.6196	0.2299

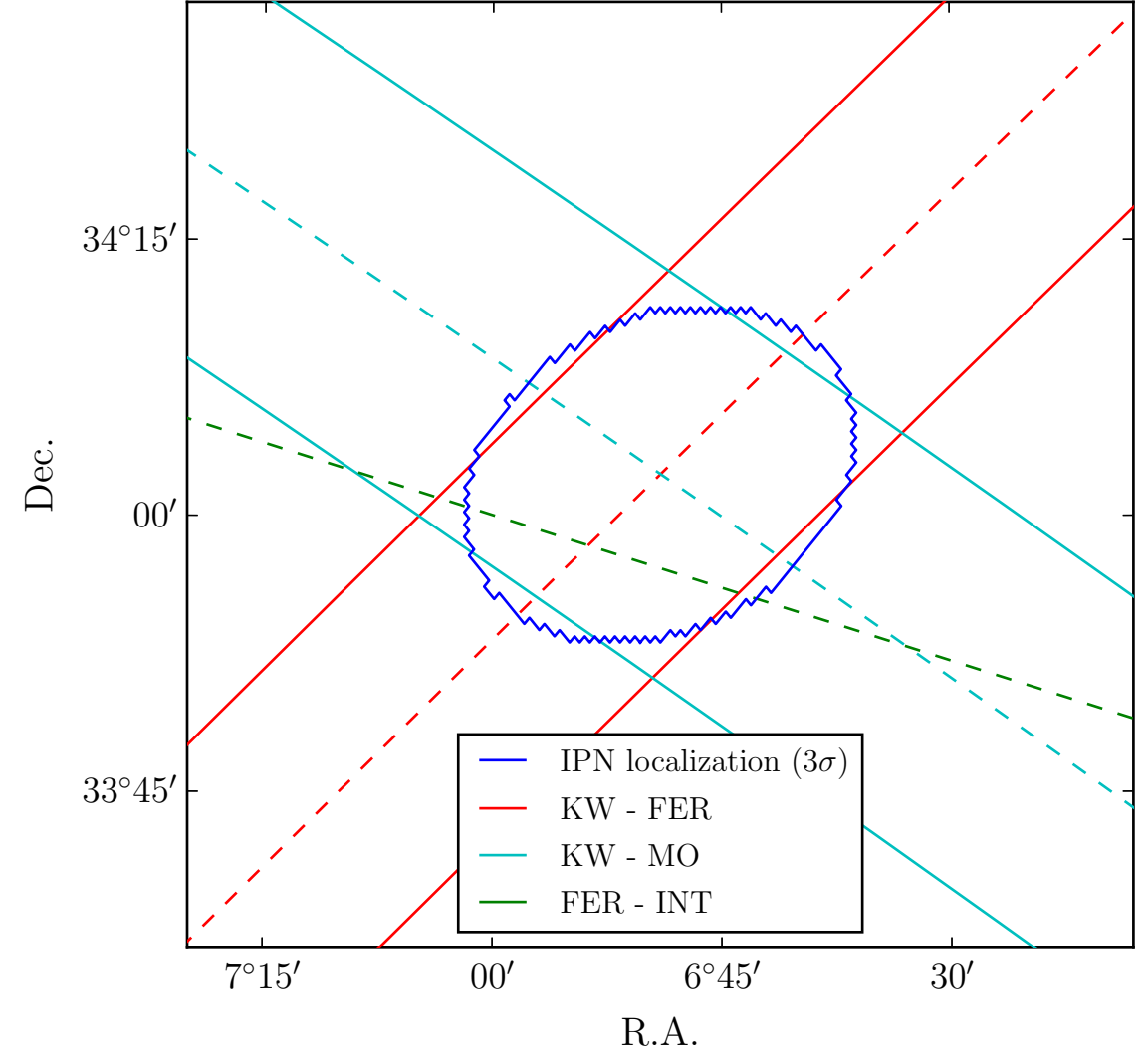
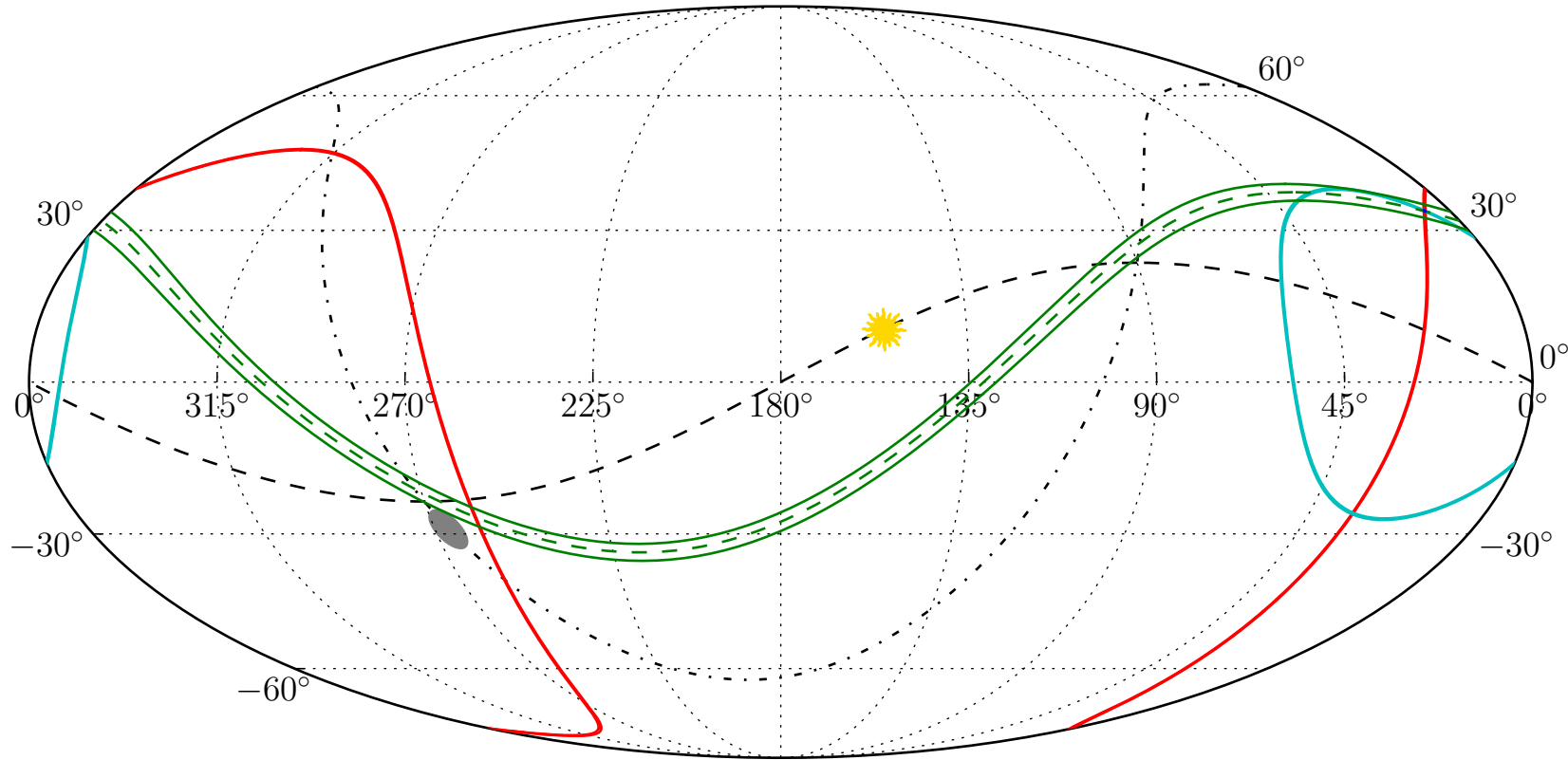
# GRB200815A (2020-08-15 $T_0=75768.265$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	22.4617	4.9839	41.1451	0.1158
KW - SWI	323.4134	-16.6786	32.6146	0.1889
KW - INT	320.2468	-12.9964	37.0991	0.2583

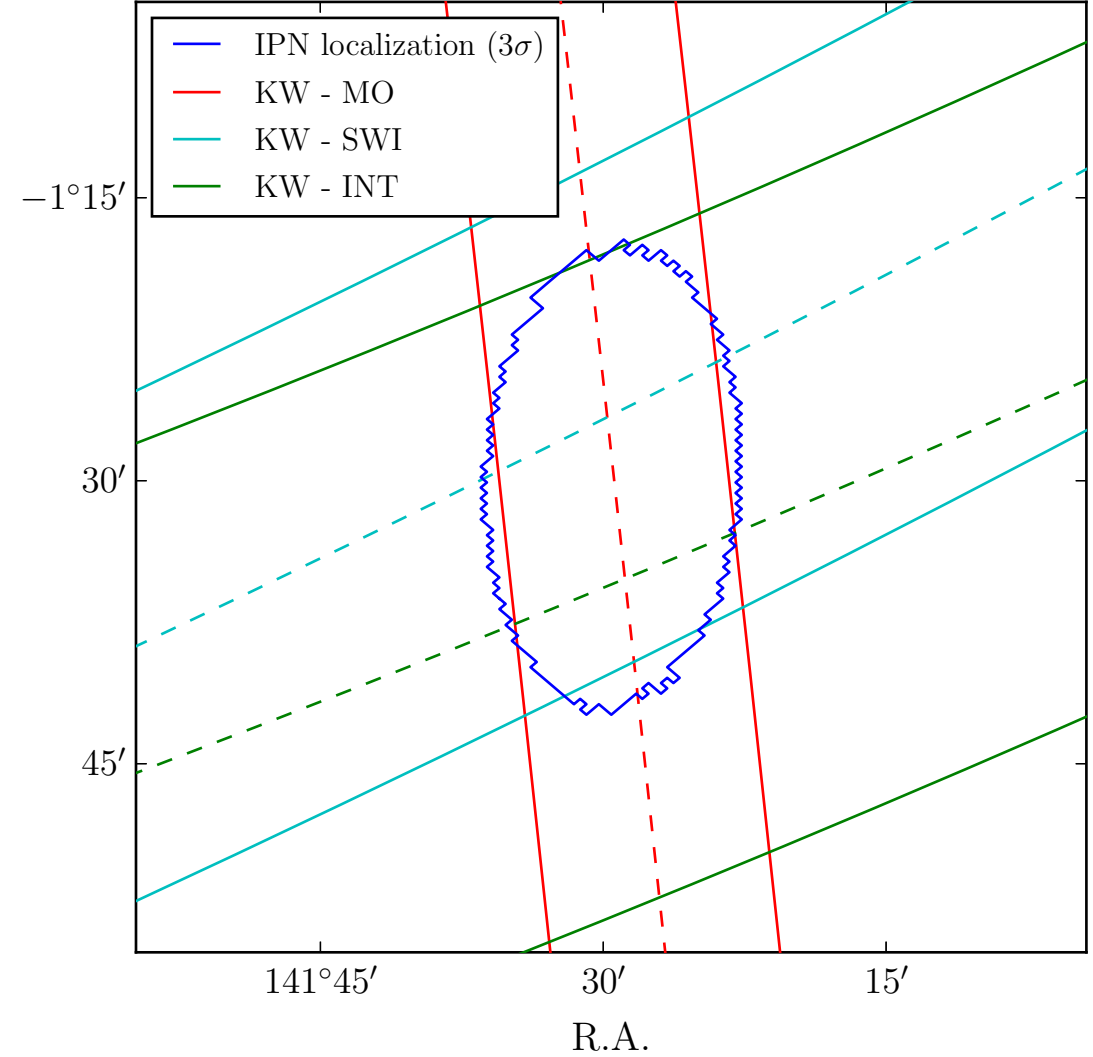
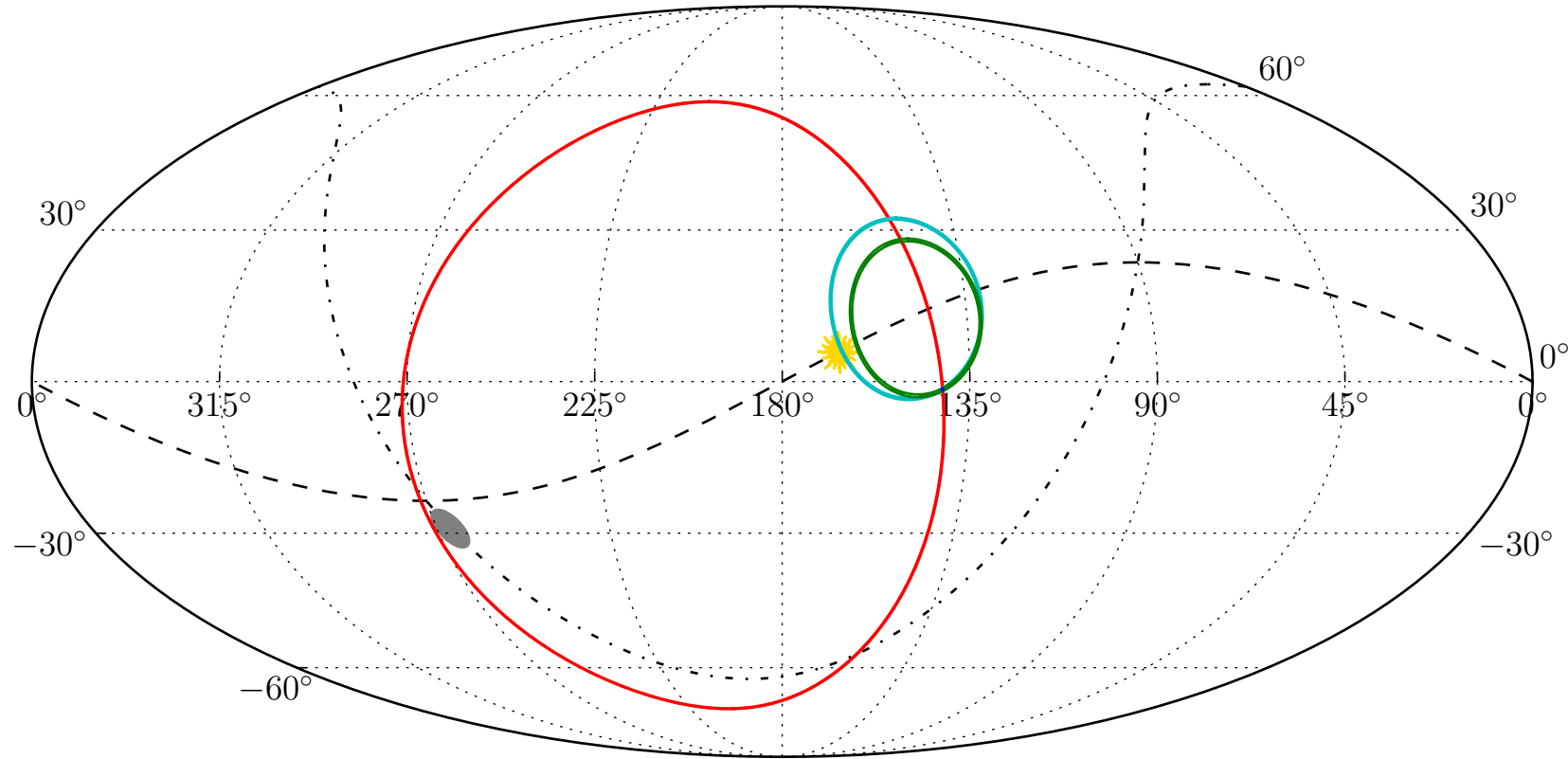
# GRB200826A (2020-08-26 $T_0=16195.106$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	326.1546	-16.0747	63.3185	0.1264
KW - MO	24.9310	5.8184	32.8302	0.1556
FER - INT	217.8729	54.1138	87.9393	1.7665

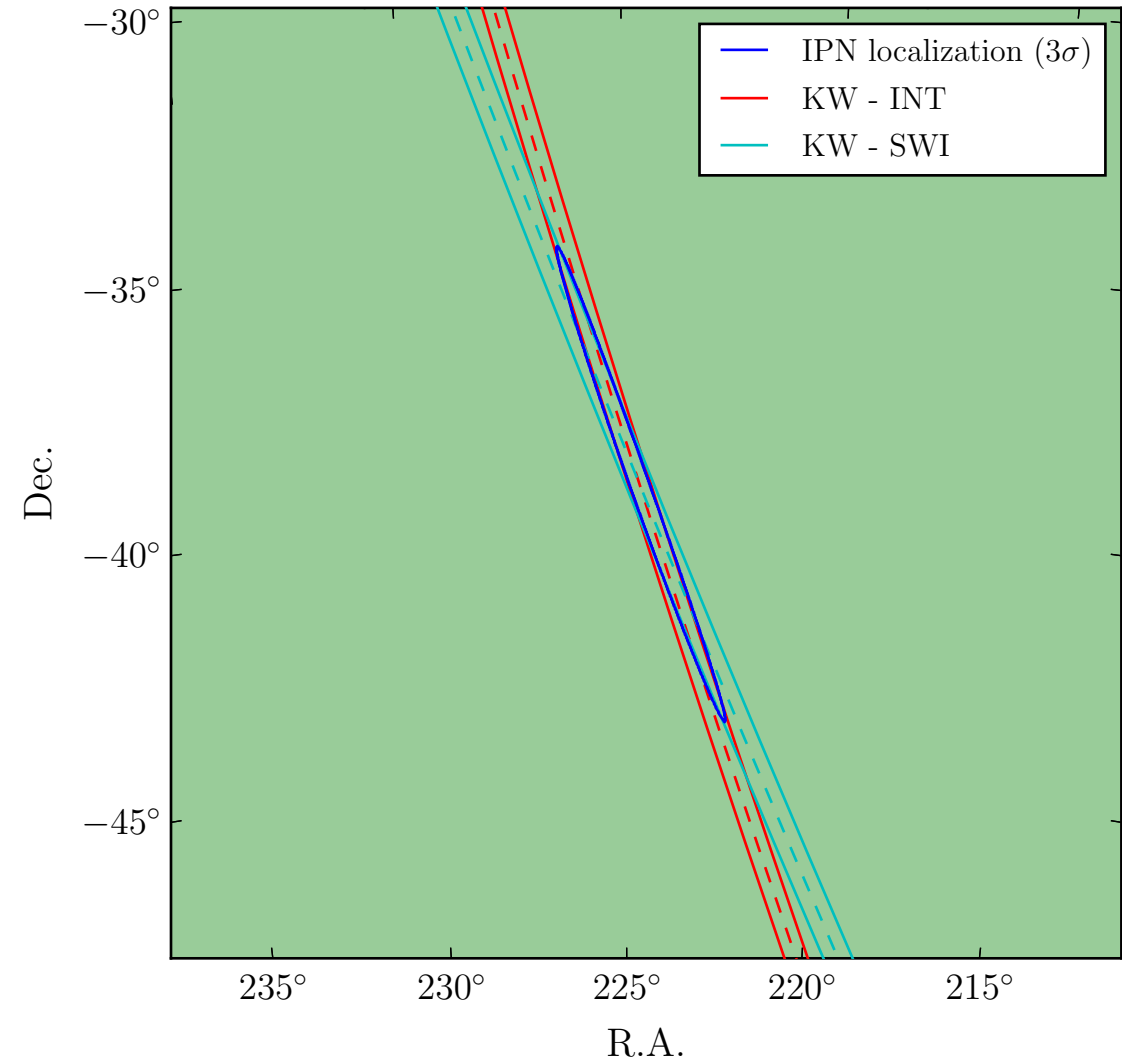
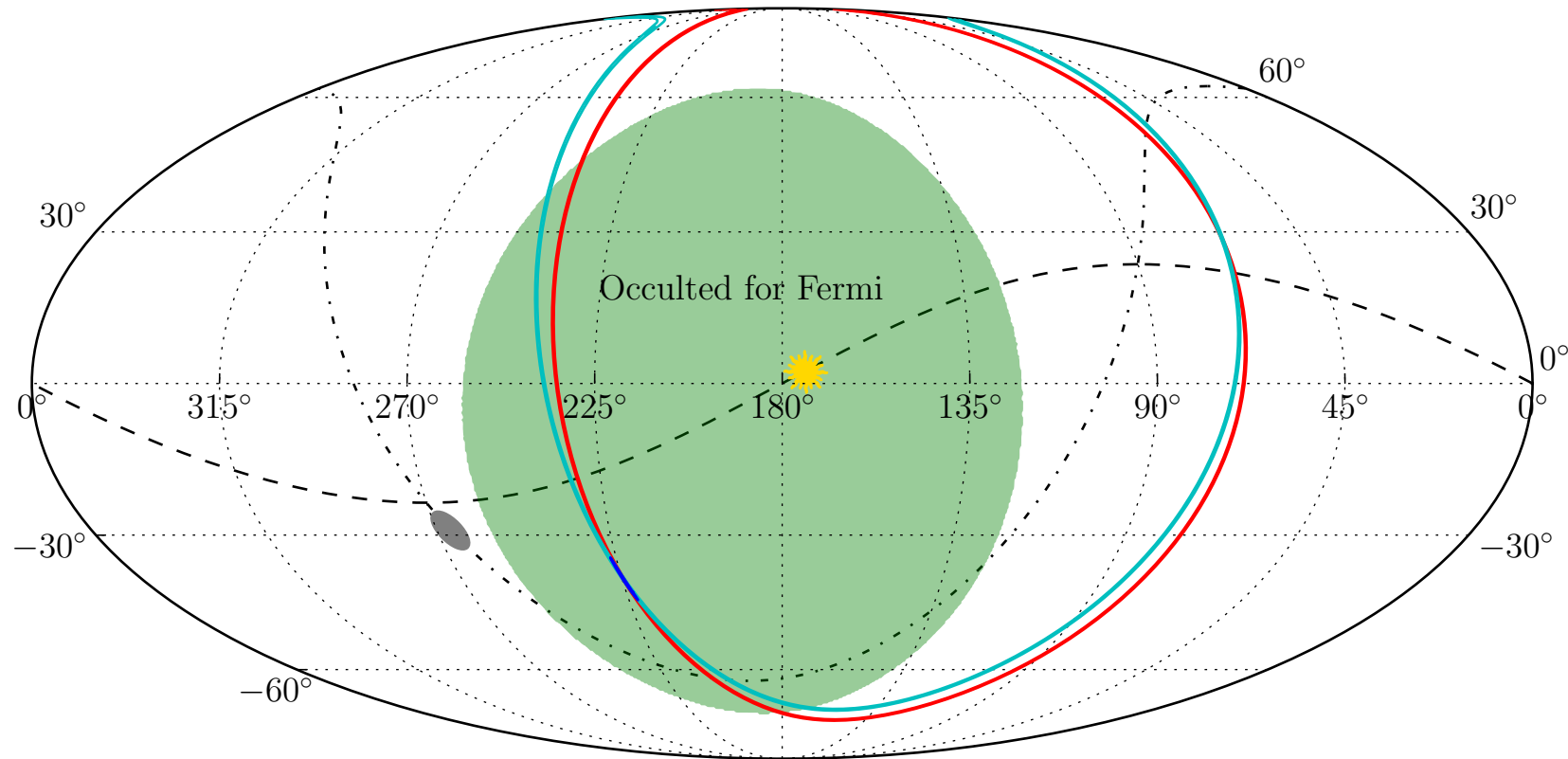
# GRB200907A (2020-09-07 $T_0=51859.501$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	206.2713	-6.3112	64.7715	0.1009
KW - SWI	149.6602	14.4839	17.8618	0.2039
KW - INT	147.4475	12.5998	15.3736	0.2719

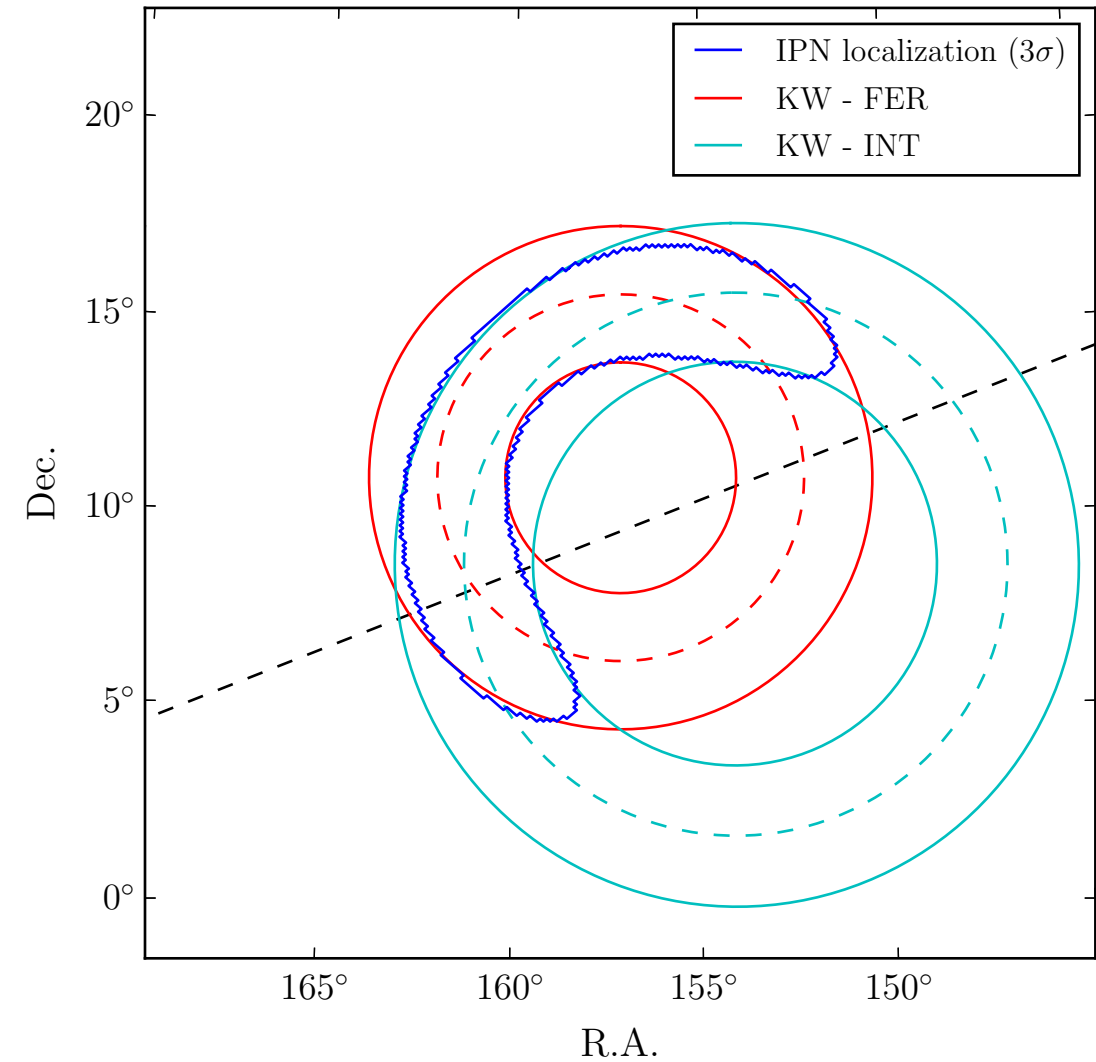
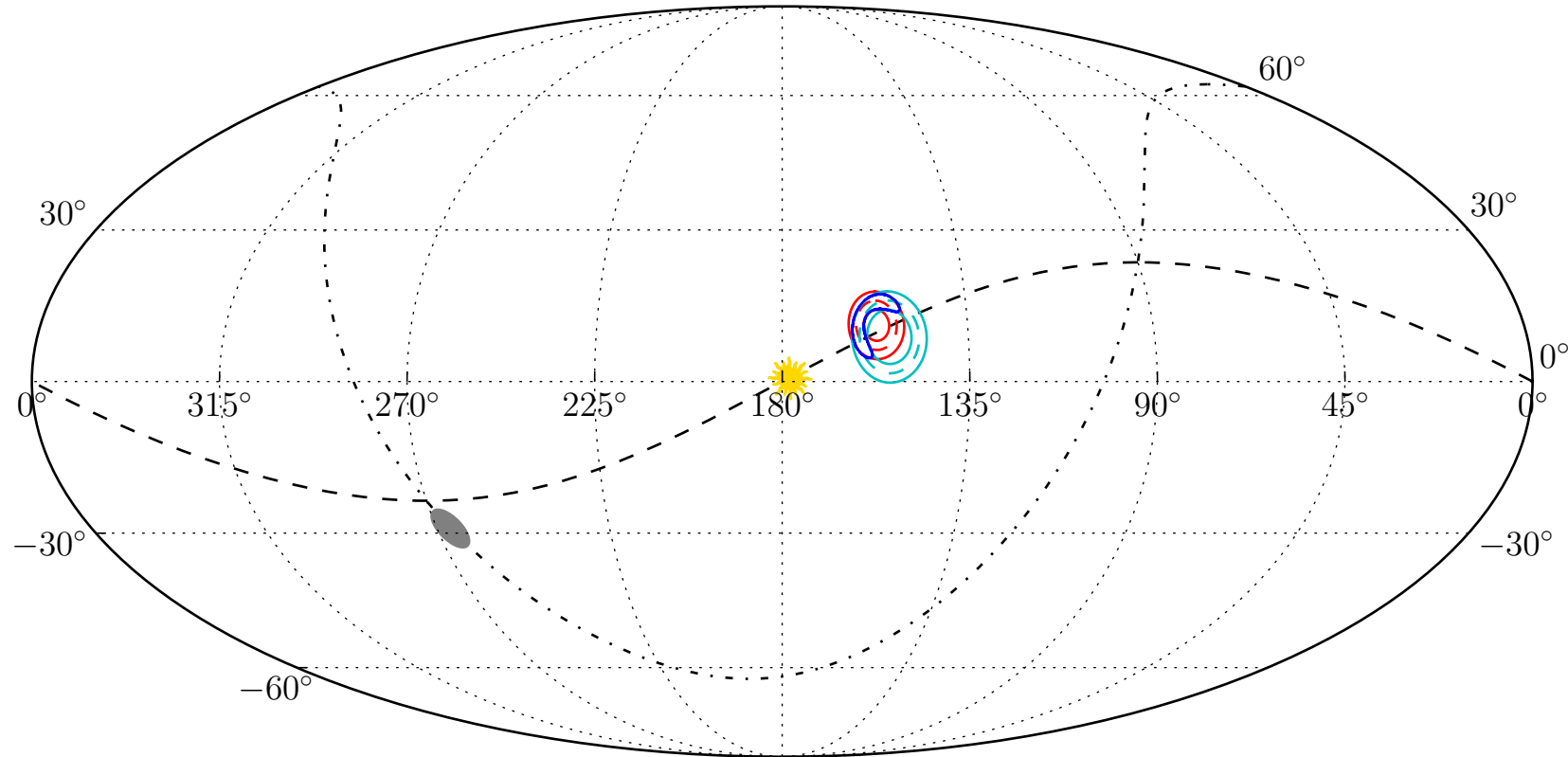
# GRB200916B (2020-09-16 $T_0=56489.668$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	151.6905	8.5636	82.4865	0.2093
KW - SWI	154.2862	12.2165	83.0469	0.2549

# GRB200920B (2020-09-20 $T_0=71814.617$ s, UT)

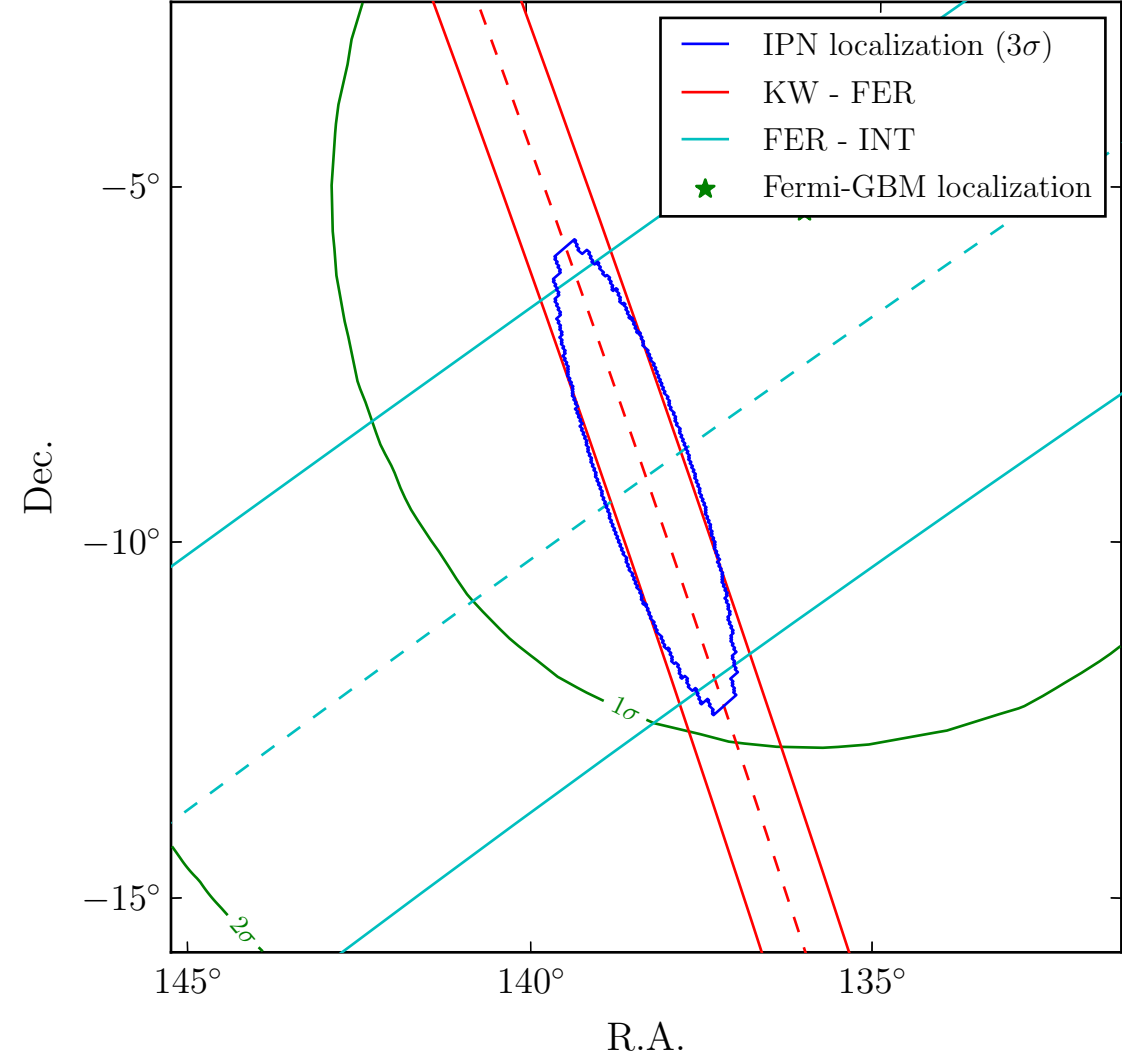
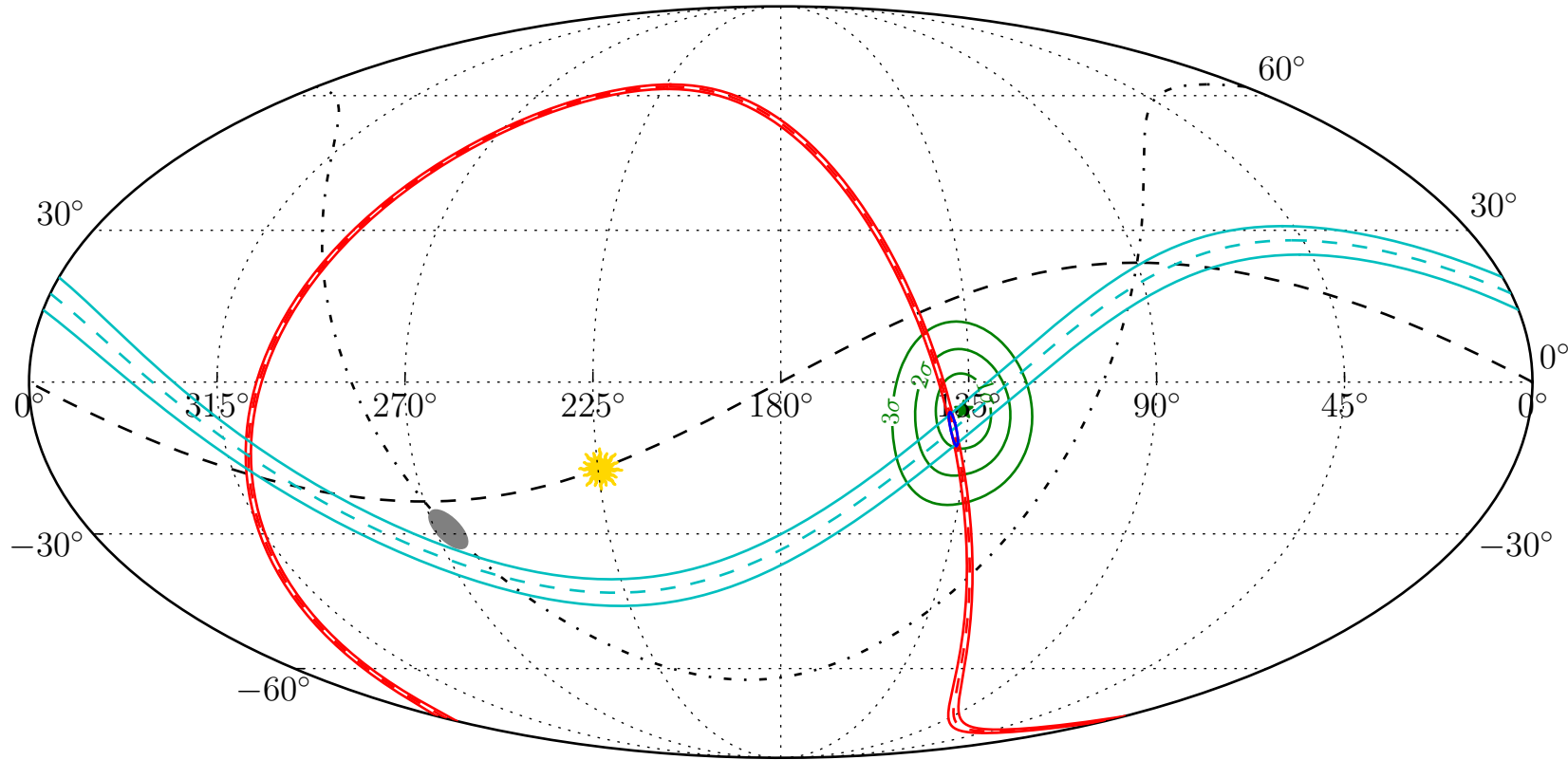


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	157.1348	10.9759	4.8340	1.7873
KW - INT	154.1111	8.7149	7.1200	1.8155



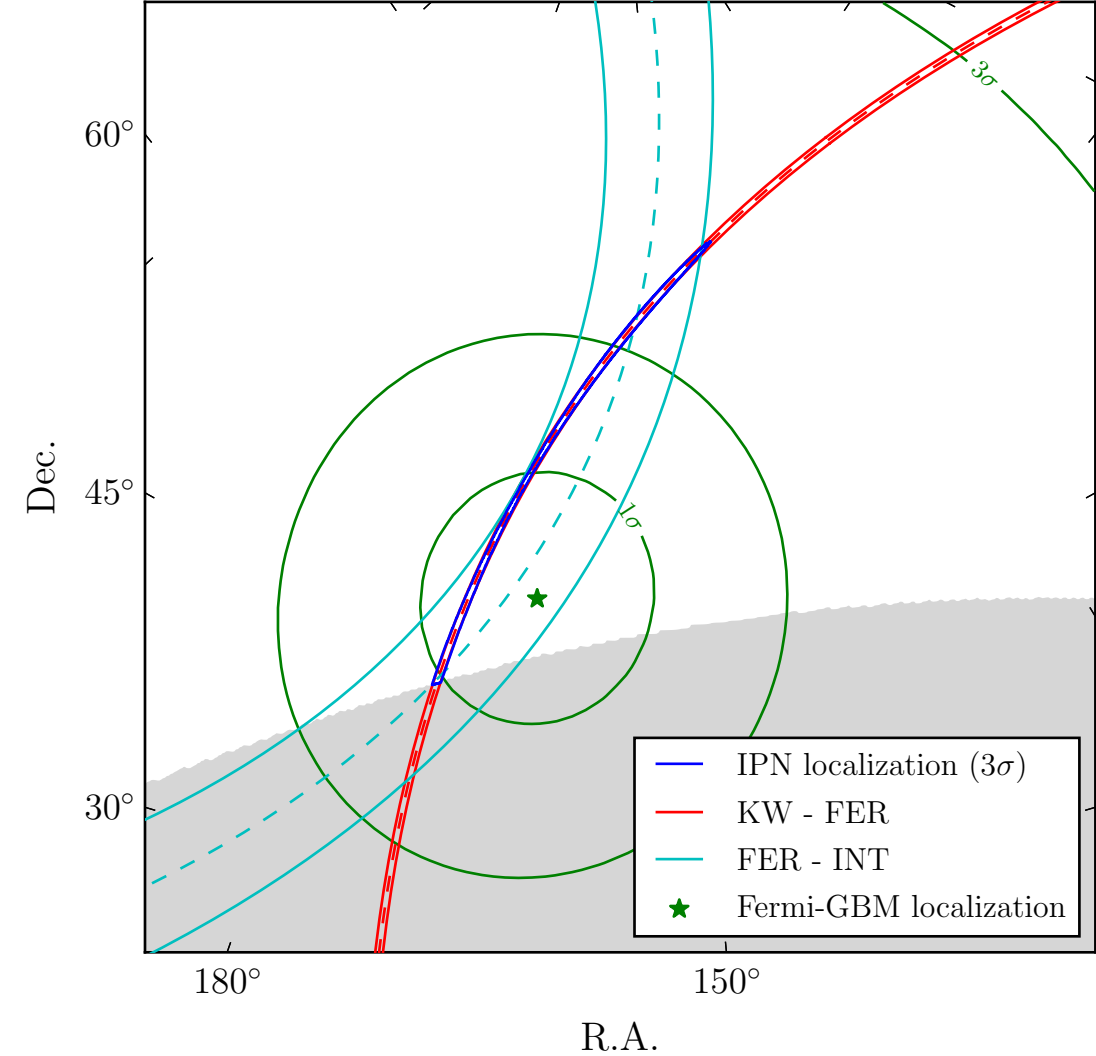
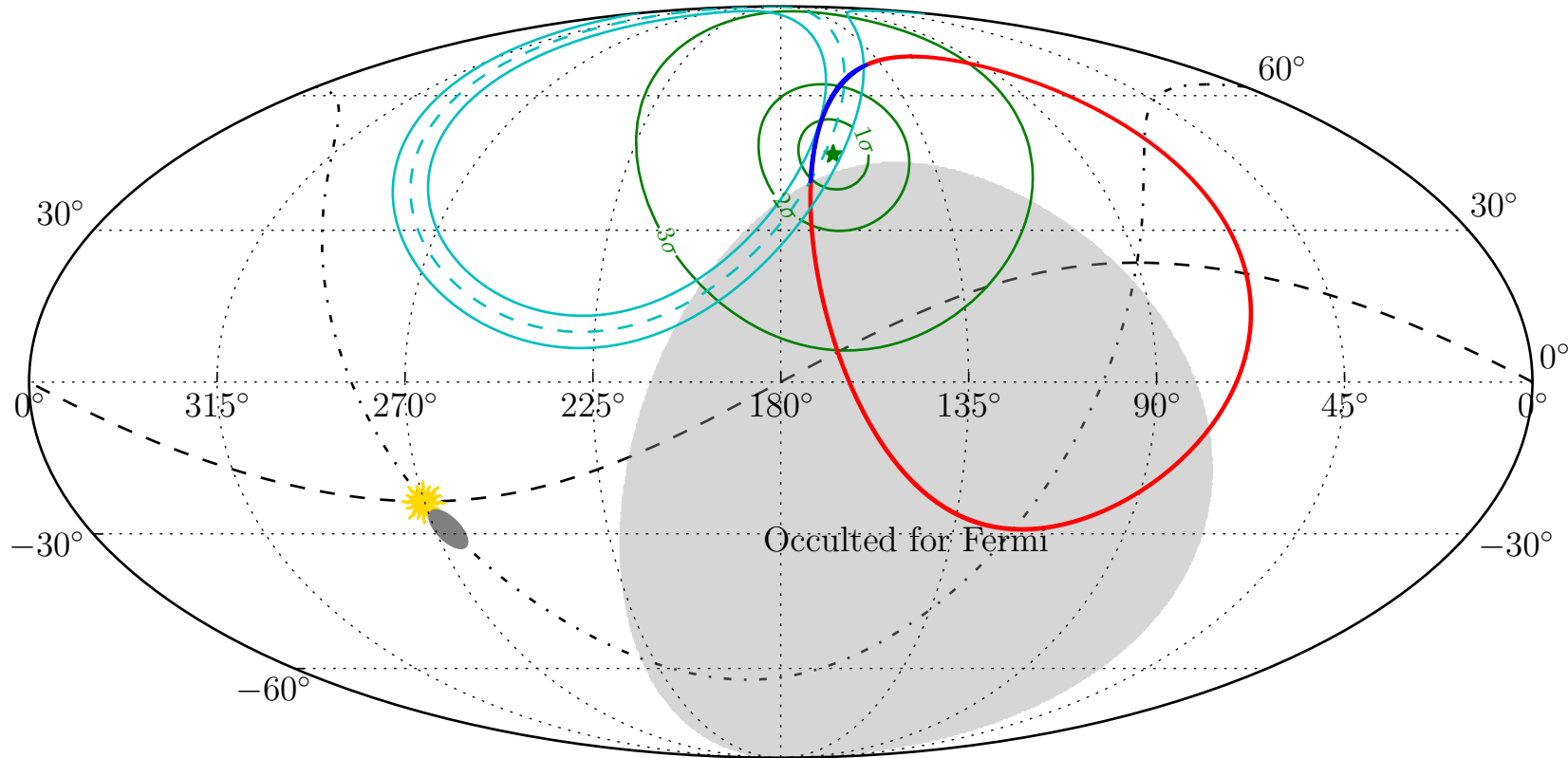
# GRB201109A (2020-11-09 T<sub>0</sub>=9065.305 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	223.2566	-19.9118	82.1899	0.5852
FER - INT	47.8937	-54.8155	82.7781	2.9017

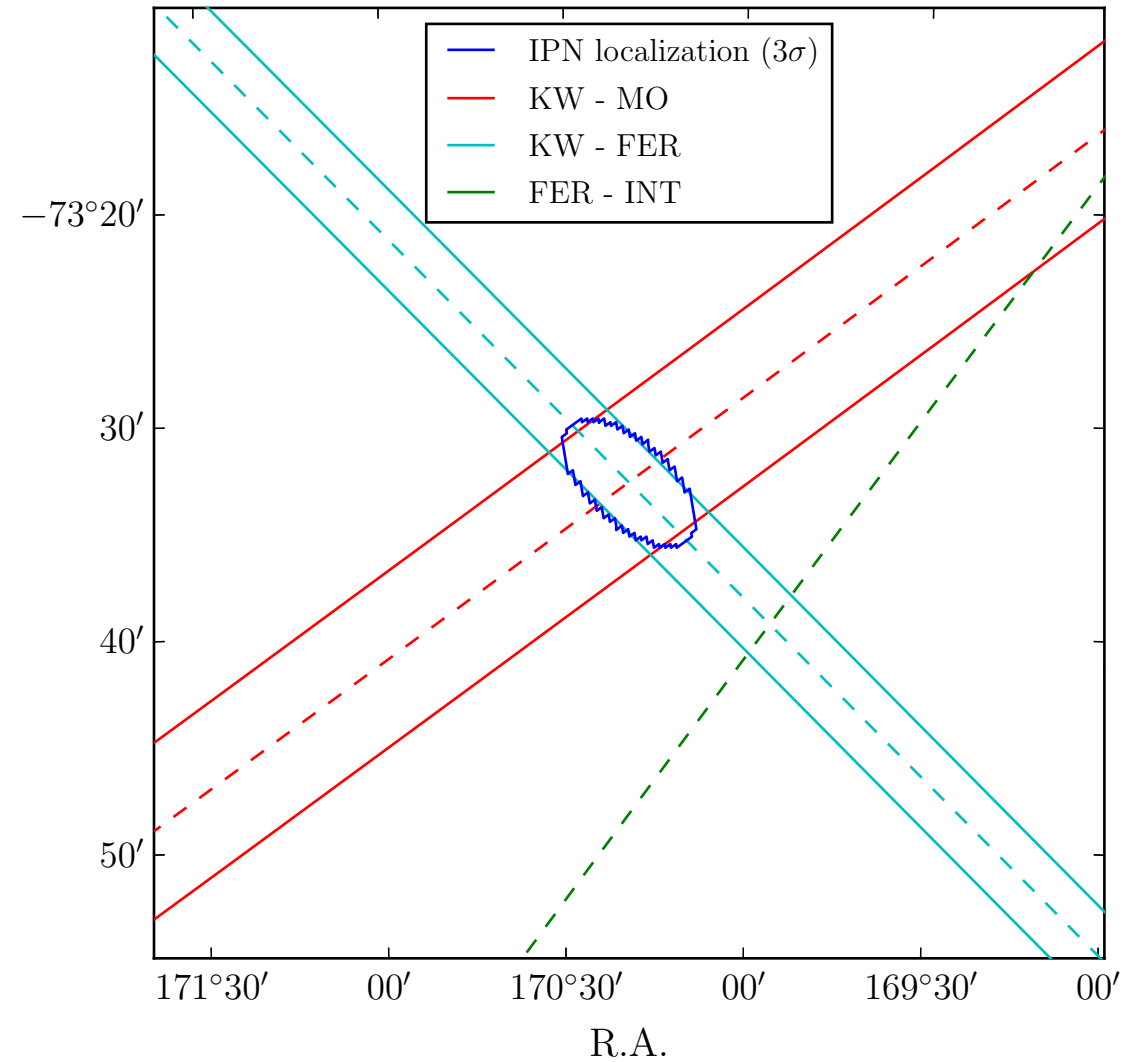
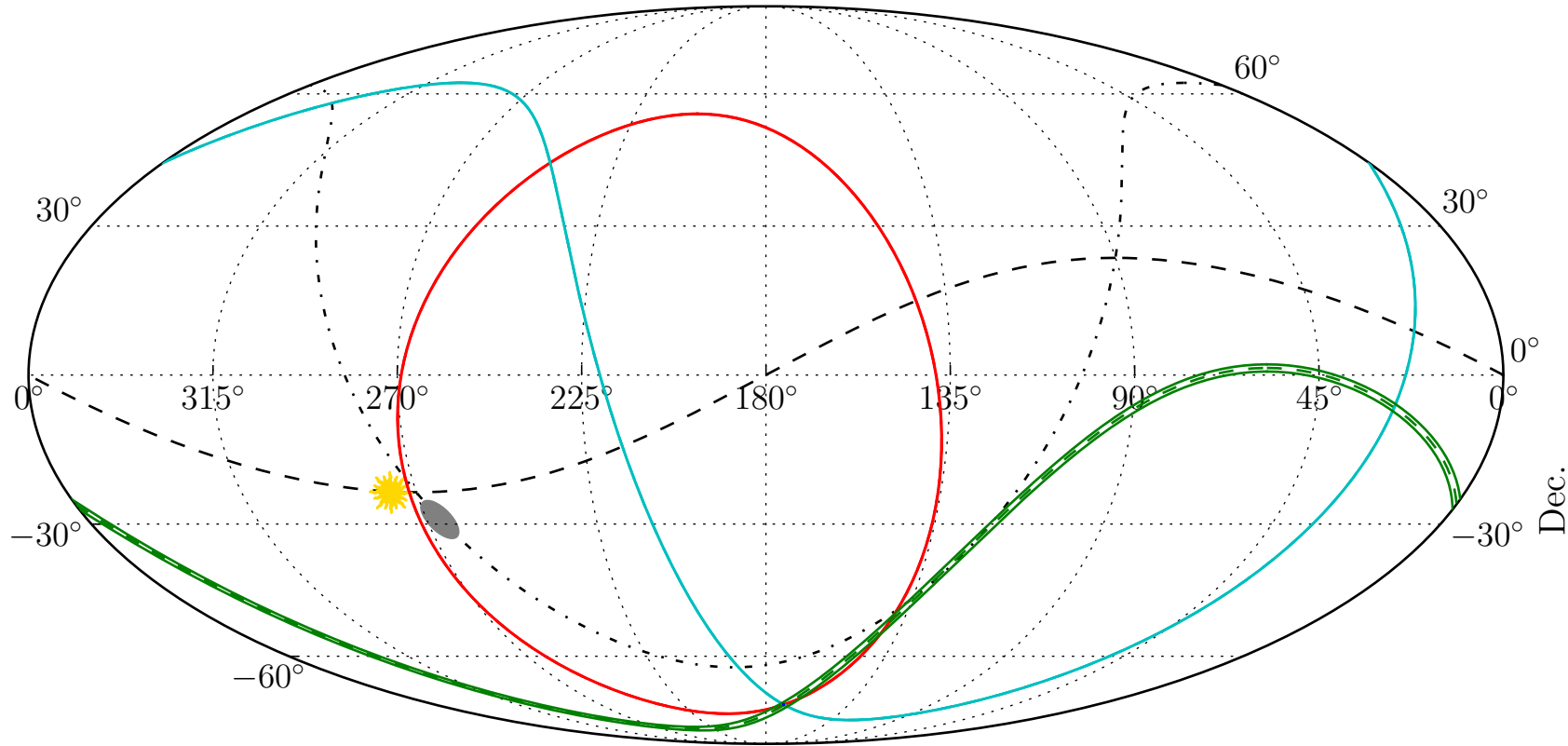
GRB201221D (2020-12-21  $T_0=83197.636$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	117.2225	20.7137	49.8068	0.2060
FER - INT	228.2519	49.8151	40.0688	3.1568

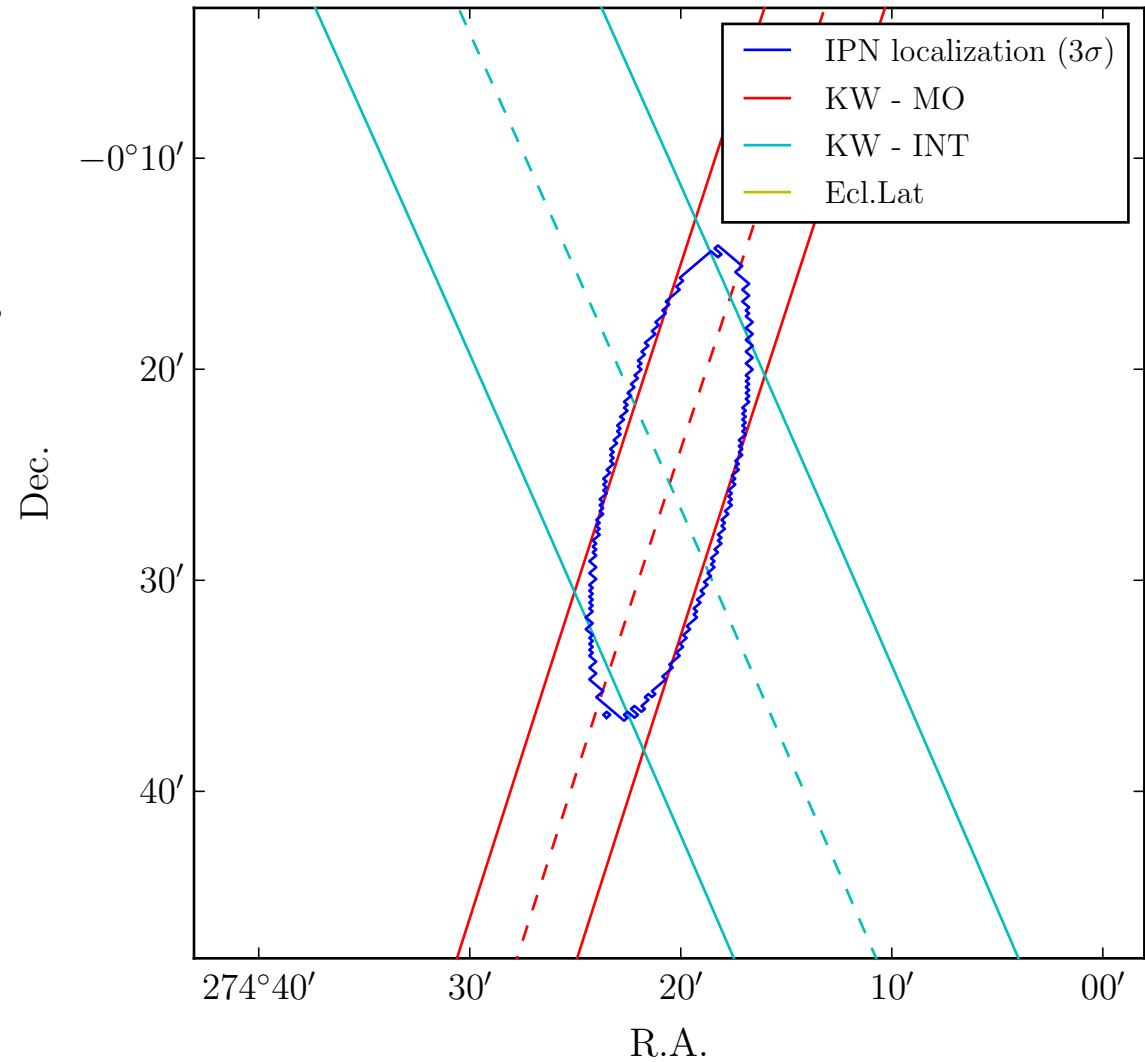
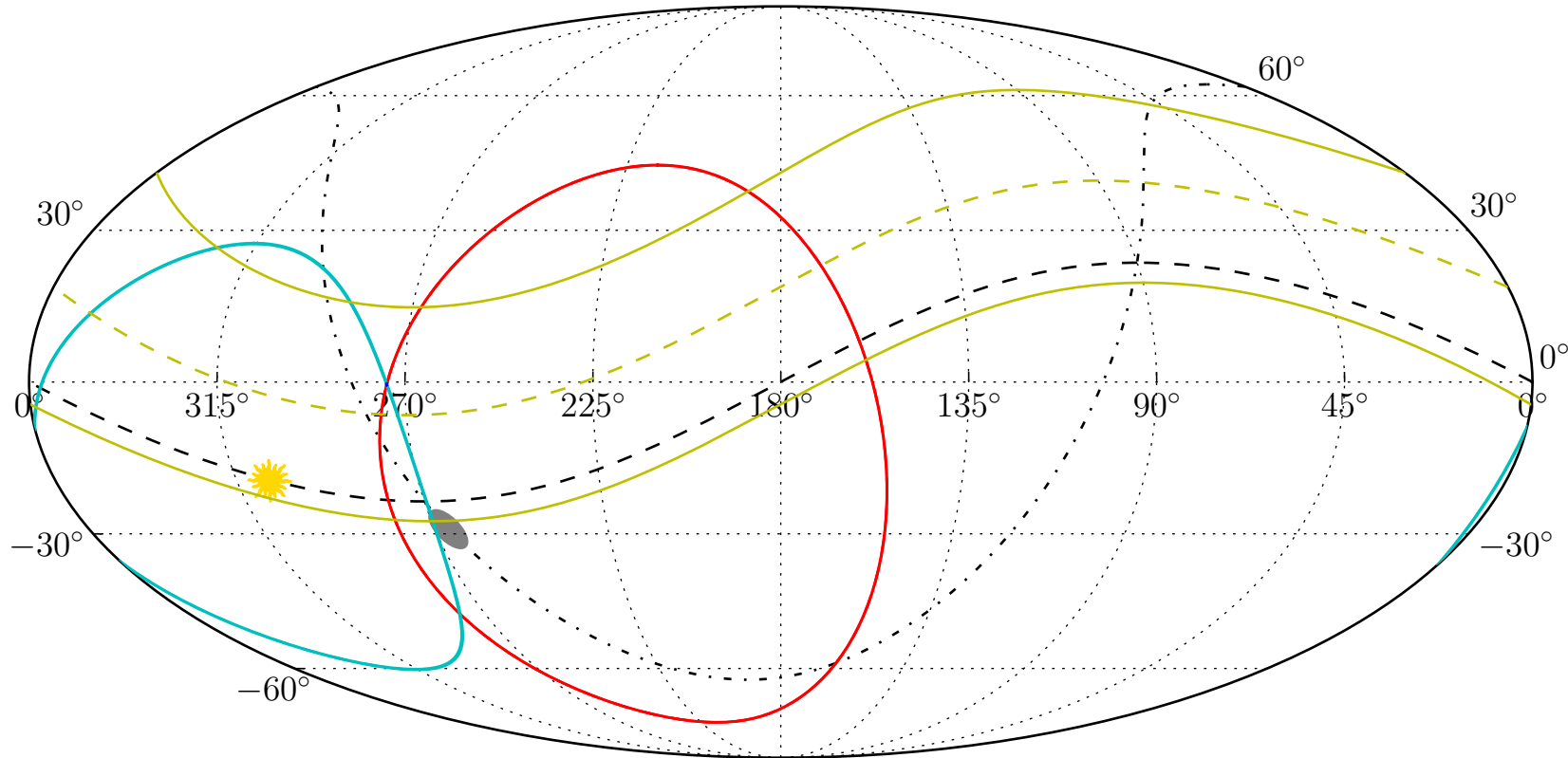
# GRB201227A (2020-12-27 $T_0=54846.705$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	203.7522	-10.7291	65.7453	0.0557
KW - FER	302.1875	-19.2155	82.1173	0.0278
FER - INT	57.6972	-48.3399	49.7491	0.7088

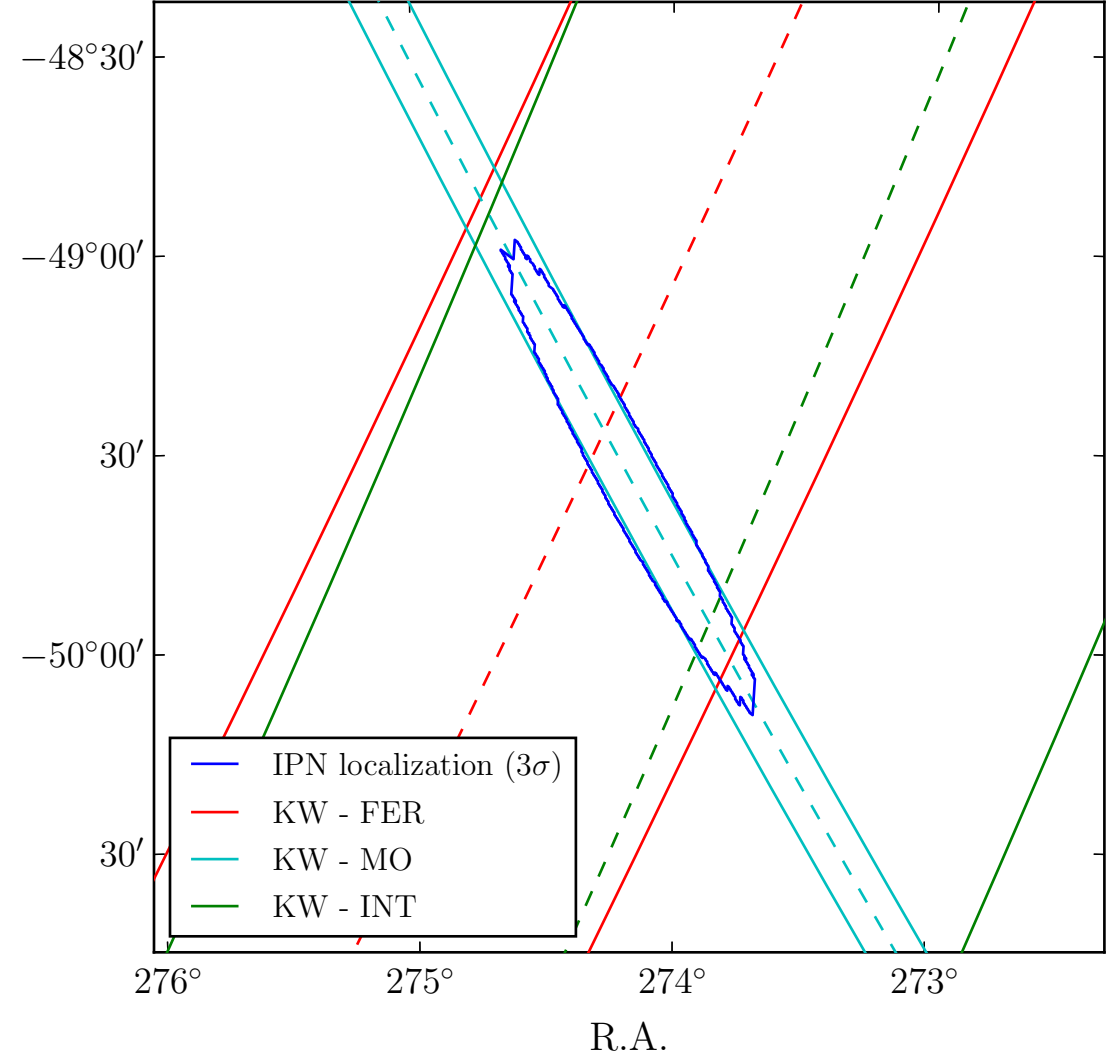
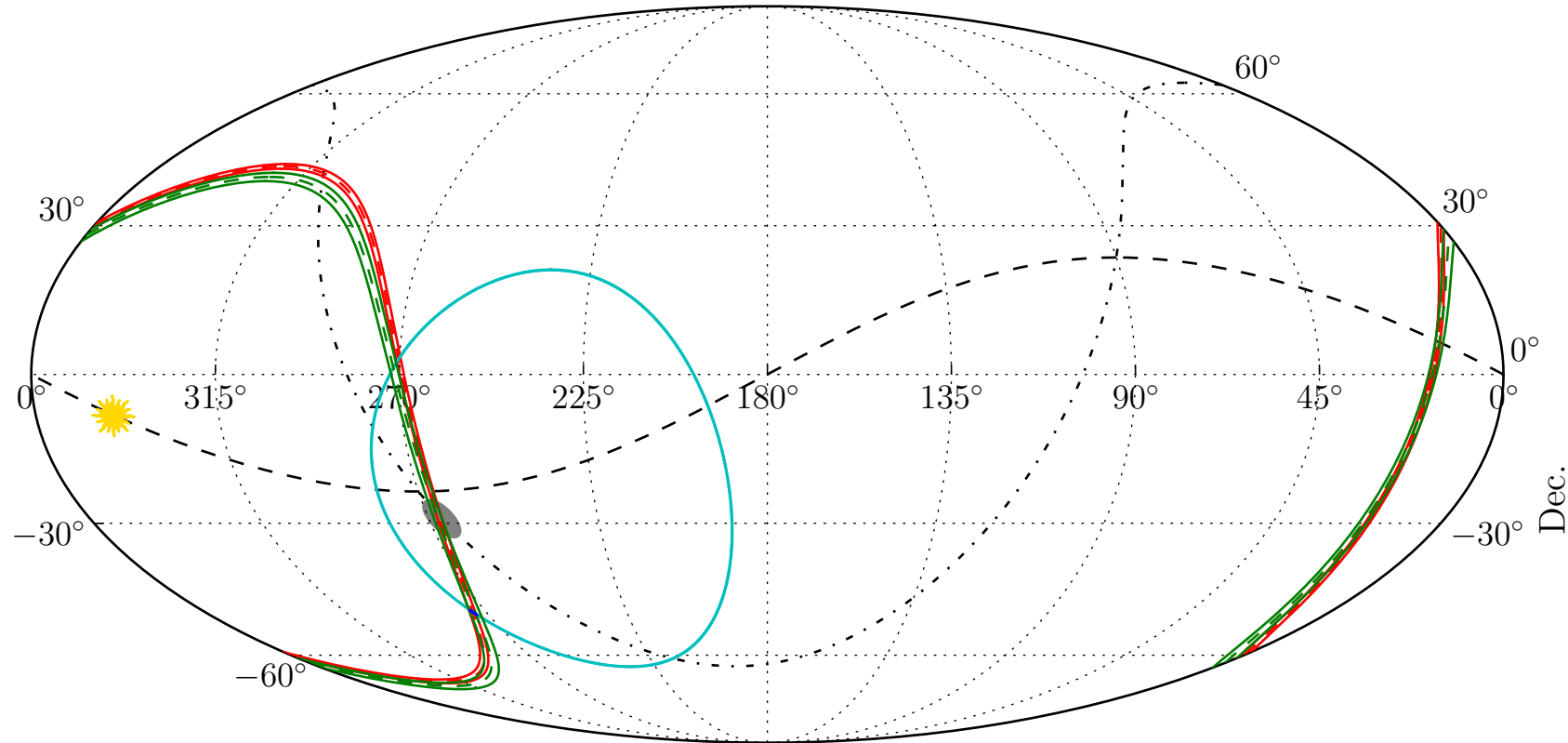
# GRB210124B (2021-01-24 $T_0=48224.368$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	216.1241	-15.5907	59.3839	0.0452
KW - INT	315.6920	-16.4862	43.7881	0.1032
Ecl.Lat	270.0000	66.5610	73.0000	21.0000

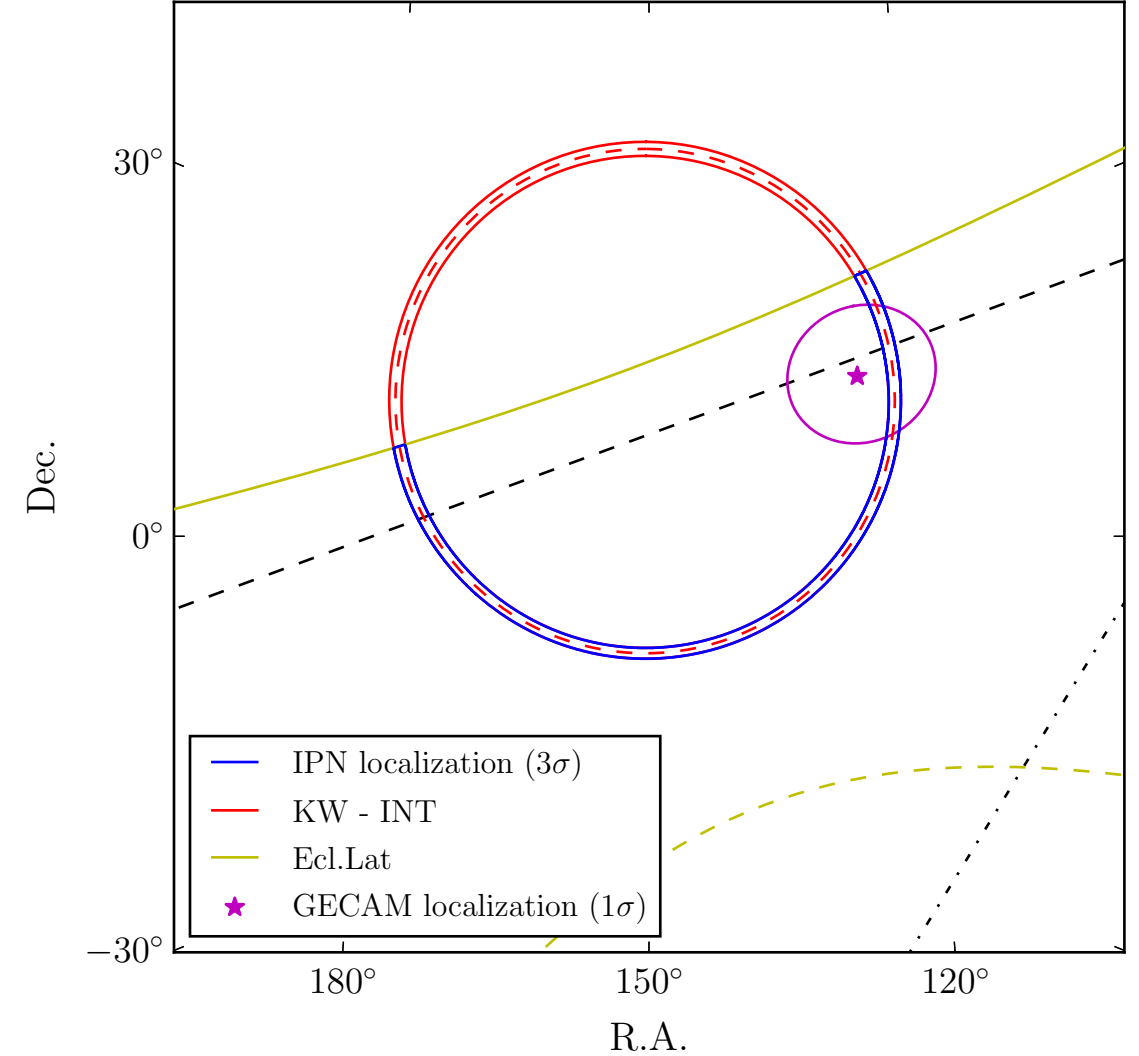
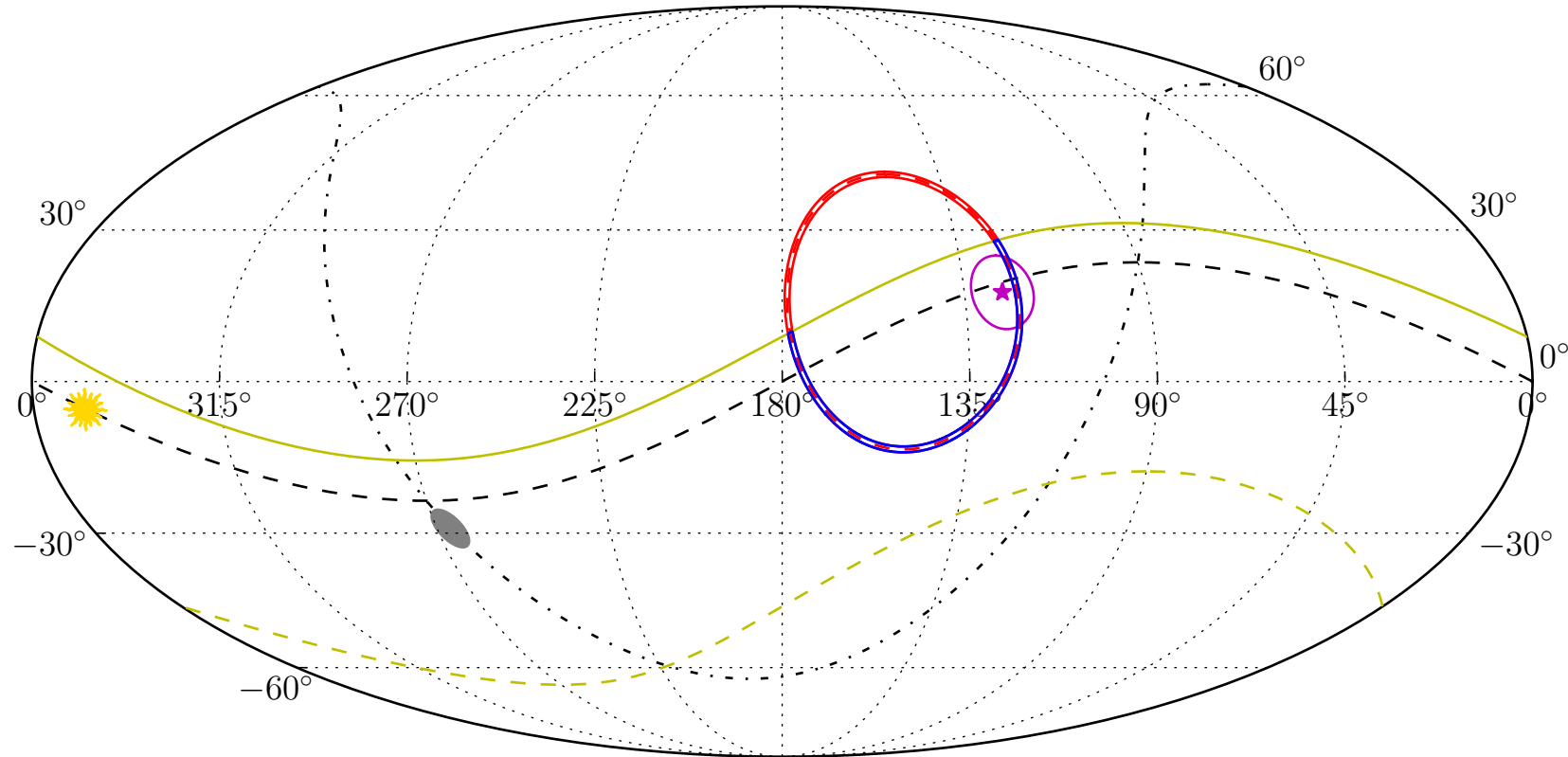
# GRB210228B (2021-02-28 $T_0=4971.101$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	323.4314	-12.1114	54.8978	0.5300
KW - MO	235.1663	-21.0444	41.9522	0.0664
KW - INT	324.2520	-13.9267	54.3751	0.9112

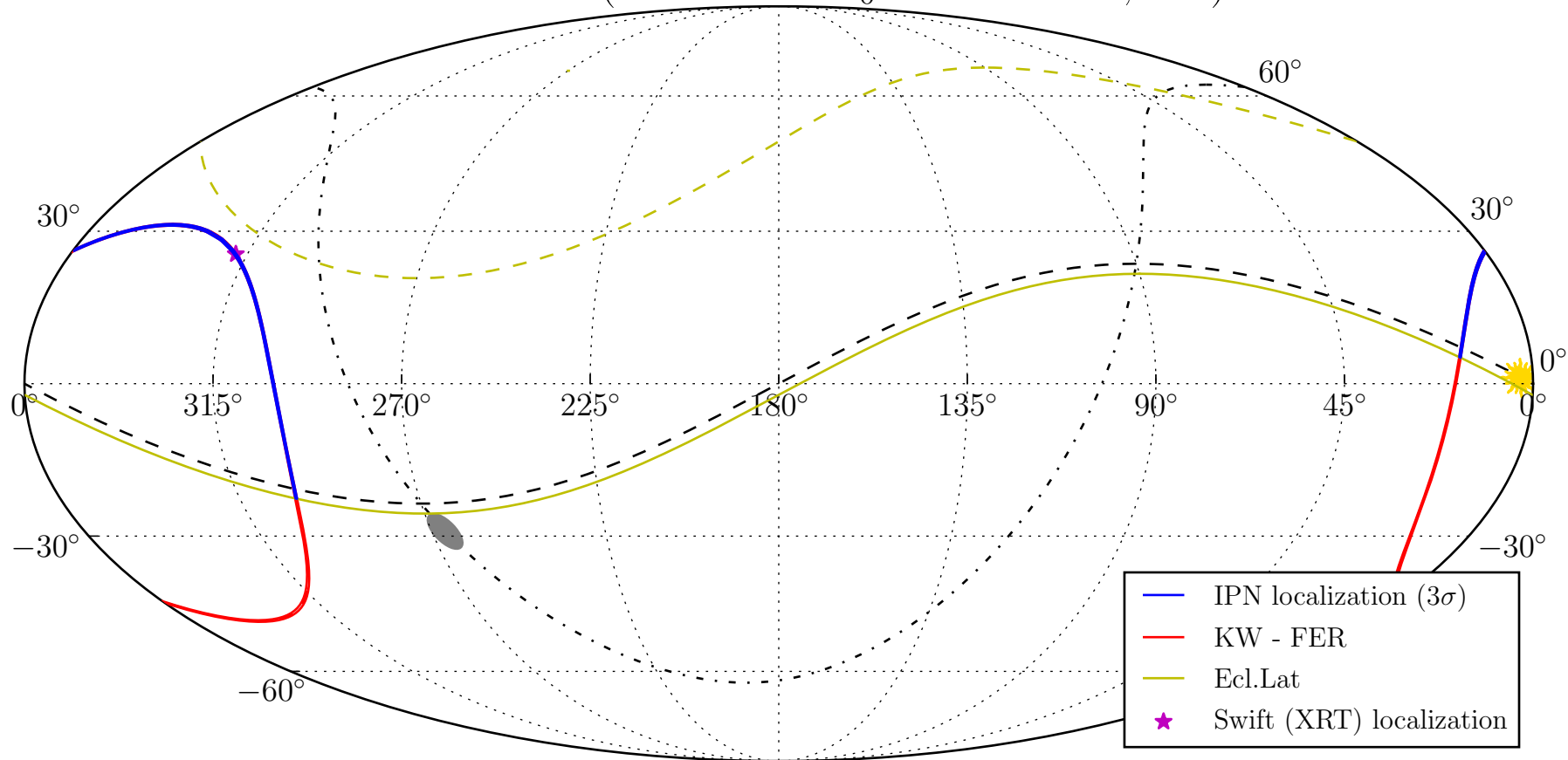
# GRB210307B (2021-03-07 T<sub>0</sub>=21404.011 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	150.3699	14.2402	27.4822	0.5729
Ecl.Lat	270.0000	66.5610	131.0000	49.0000

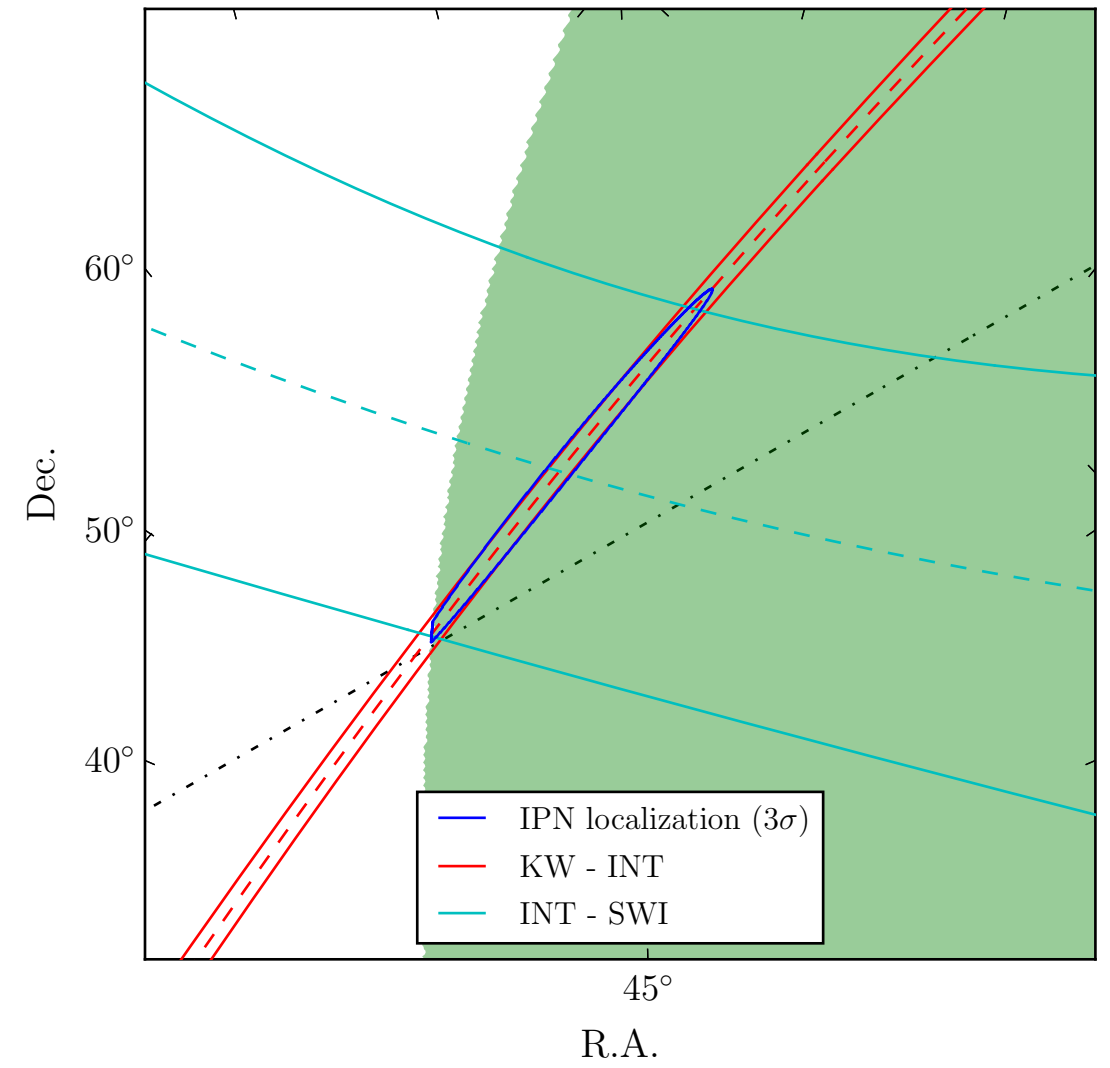
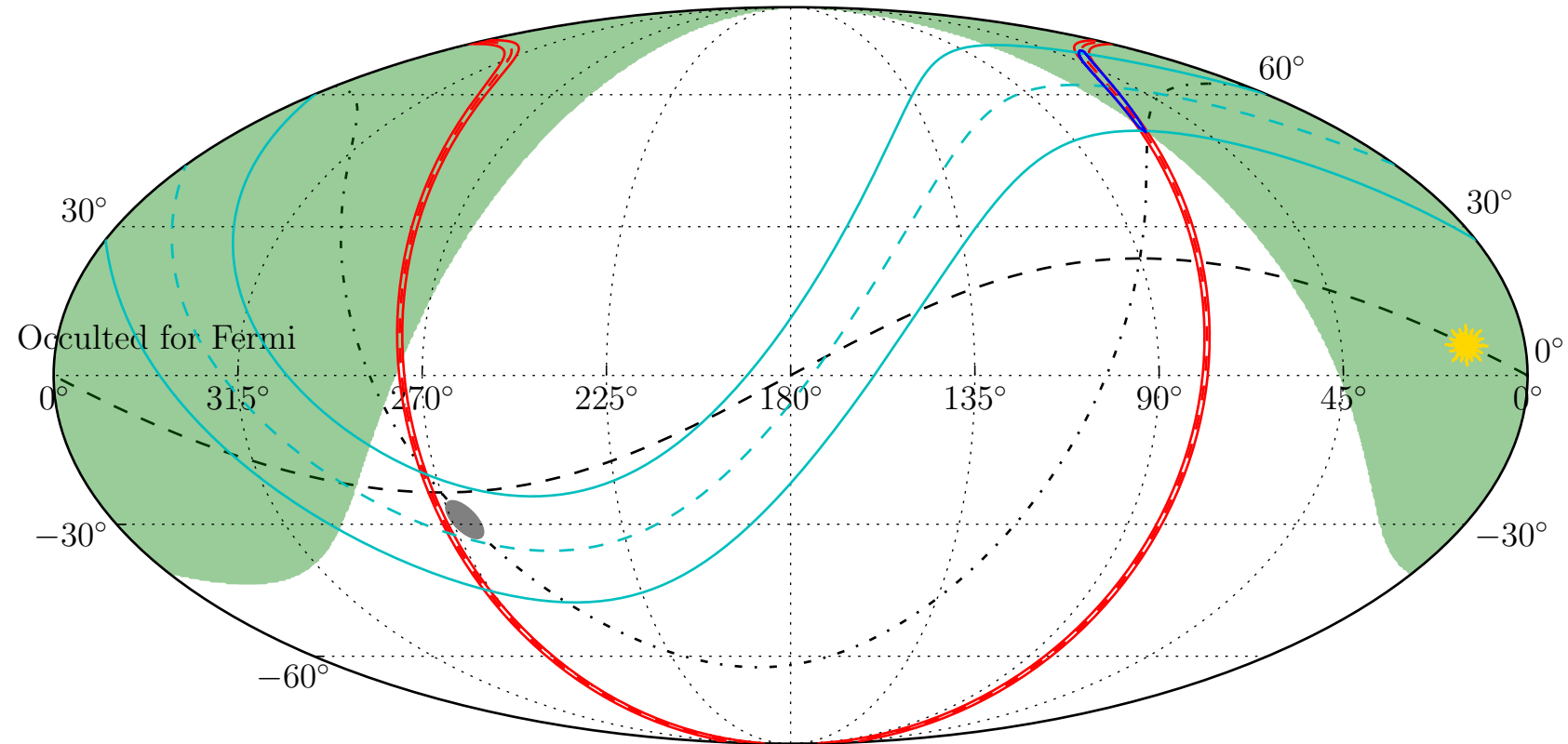
# GRB210323A (2021-03-23 $T_0=79334.600$ s, UT)



Parameters of IPN annuli

Instrument	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	339.5826	-8.3931	39.7152	0.1774
Ecl.Lat	270.0000	66.5610	46.0000	46.0000

GRB20210405\_T43886 (2021-04-05  $T_0=43886.687$  s, UT)

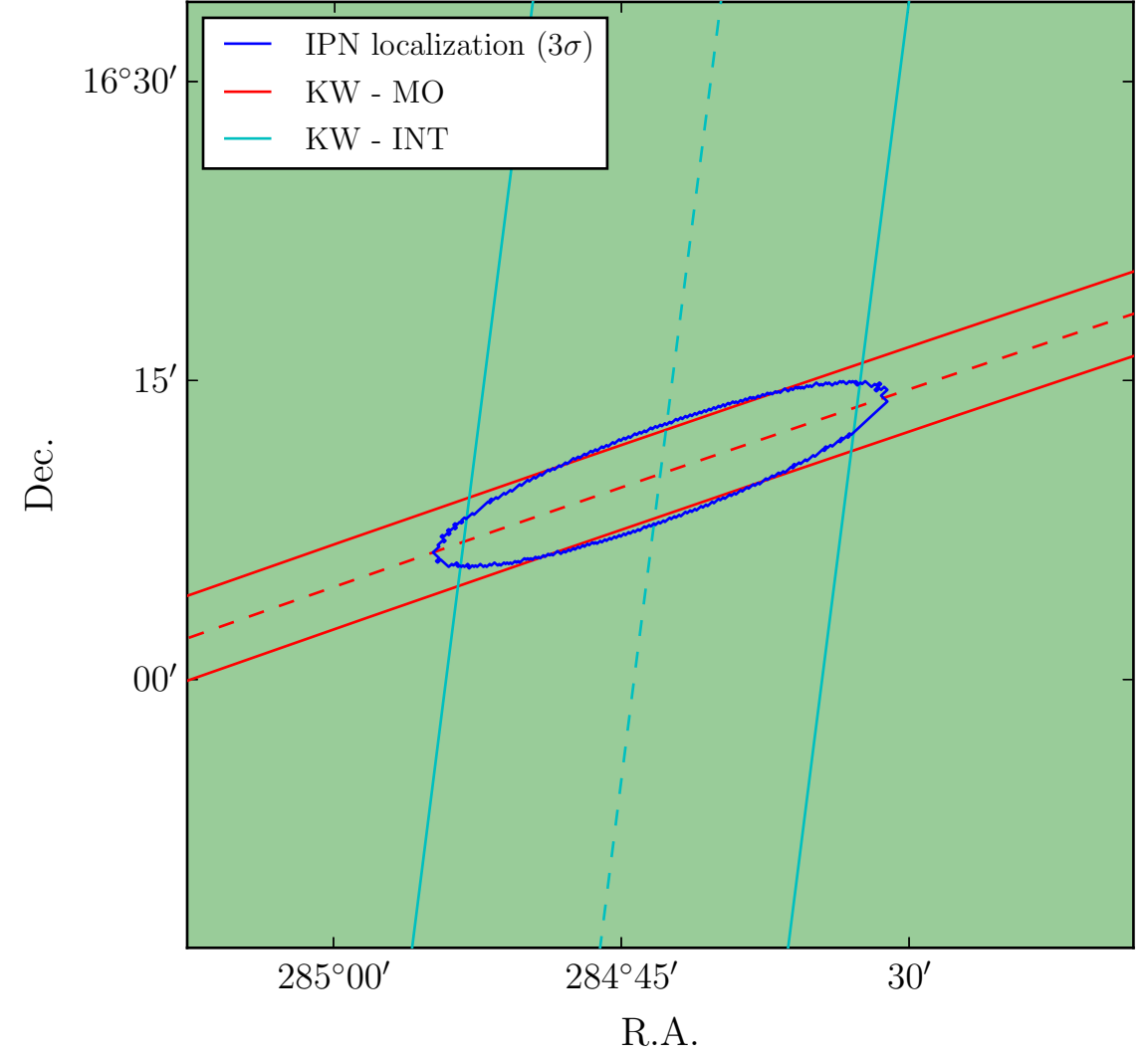
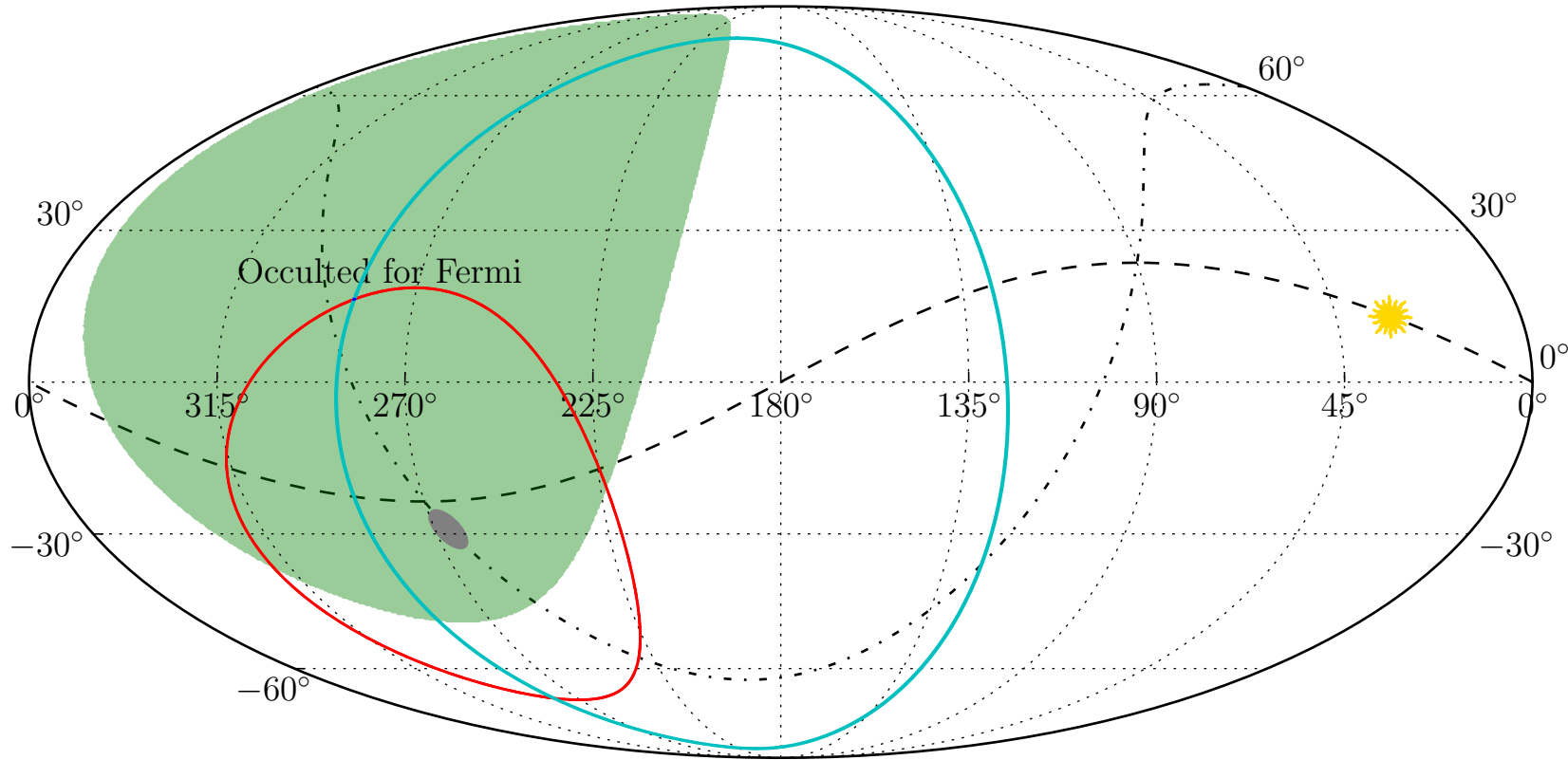


Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	356.8630	-7.0111	81.9488	0.6134
INT - SWI	246.8257	40.9071	76.5388	11.4041



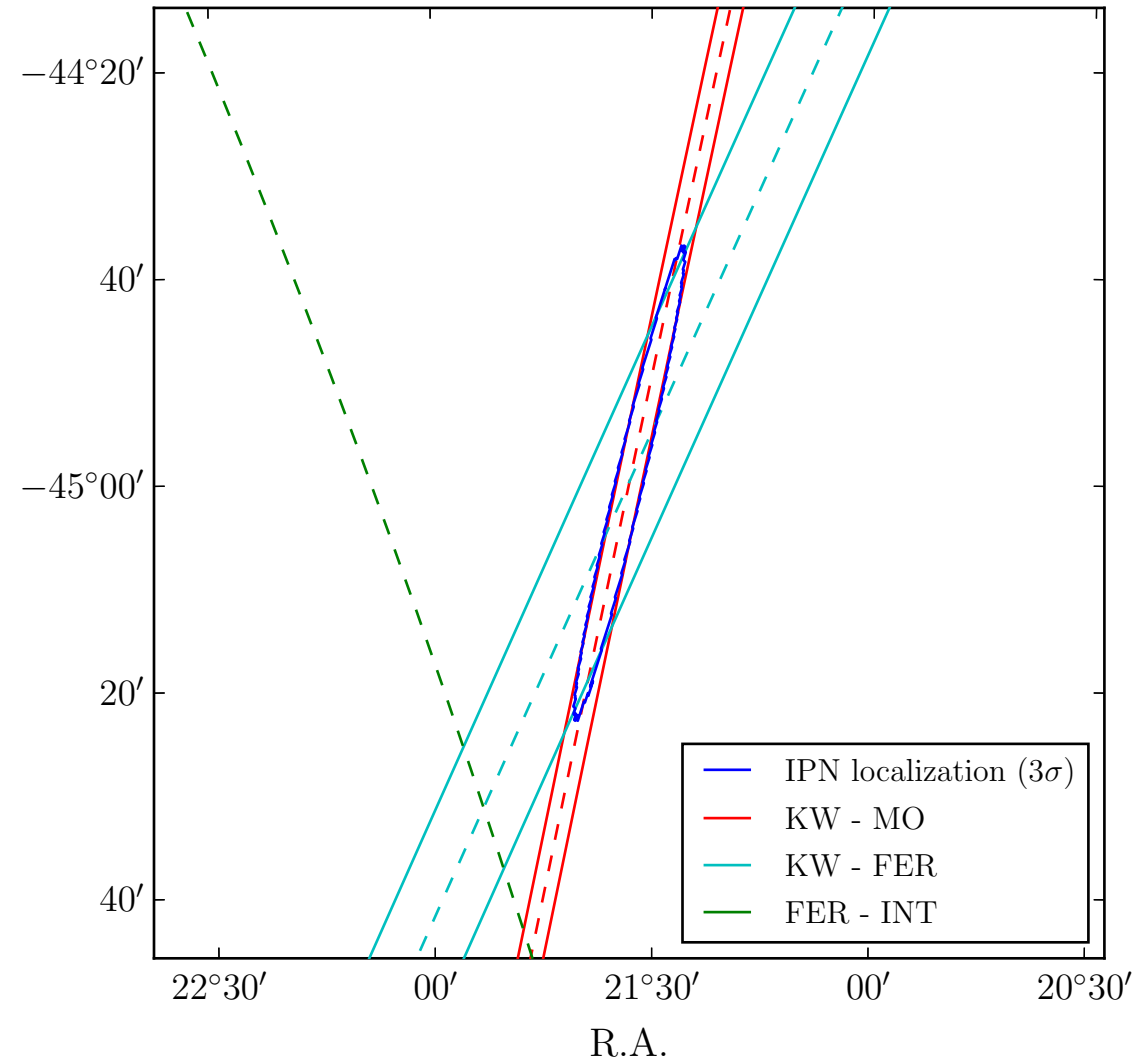
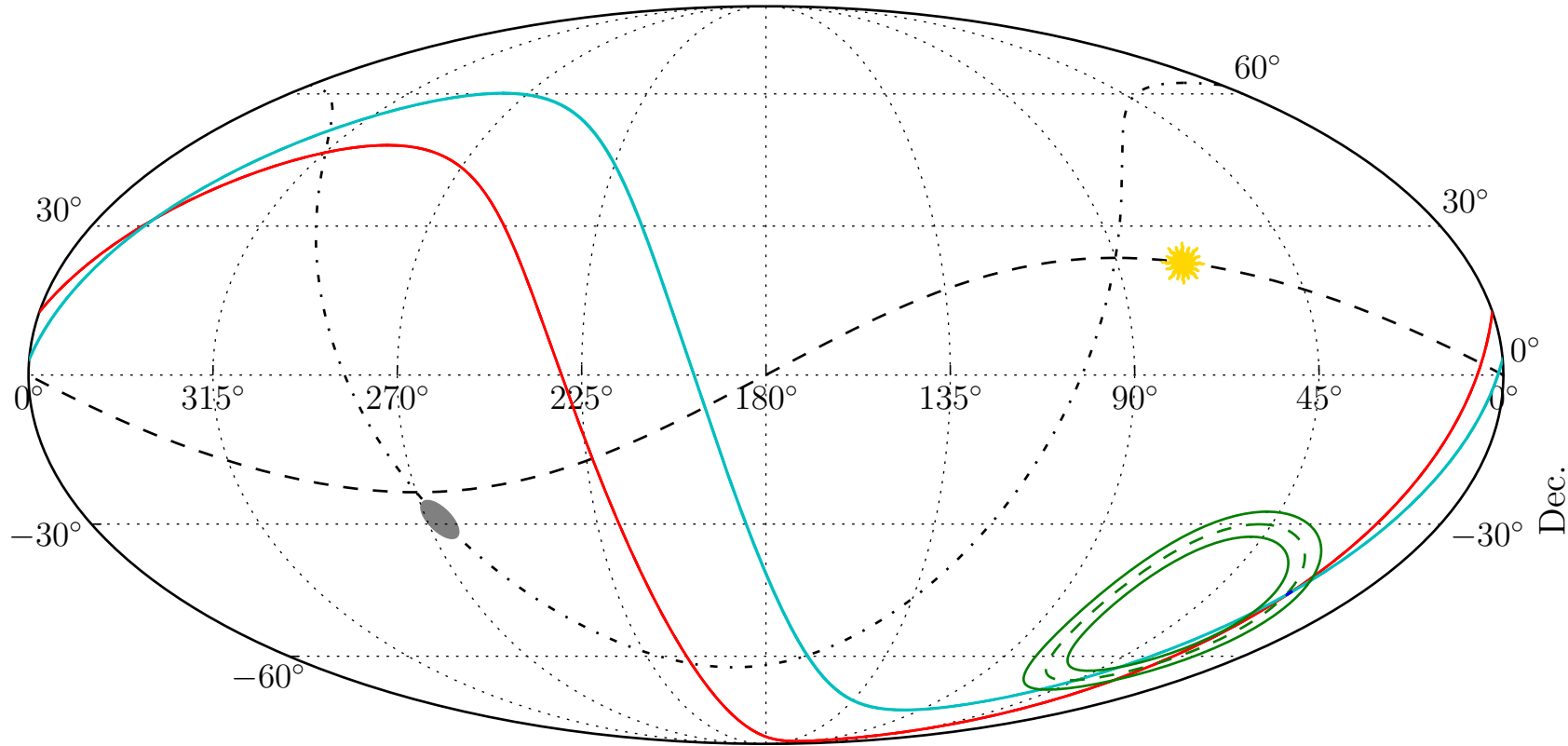
# GRB210424B (2021-04-24 T<sub>0</sub>=28916.081 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	270.4996	-24.9100	43.3570	0.0335
KW - INT	206.0749	-4.1867	80.3099	0.1559

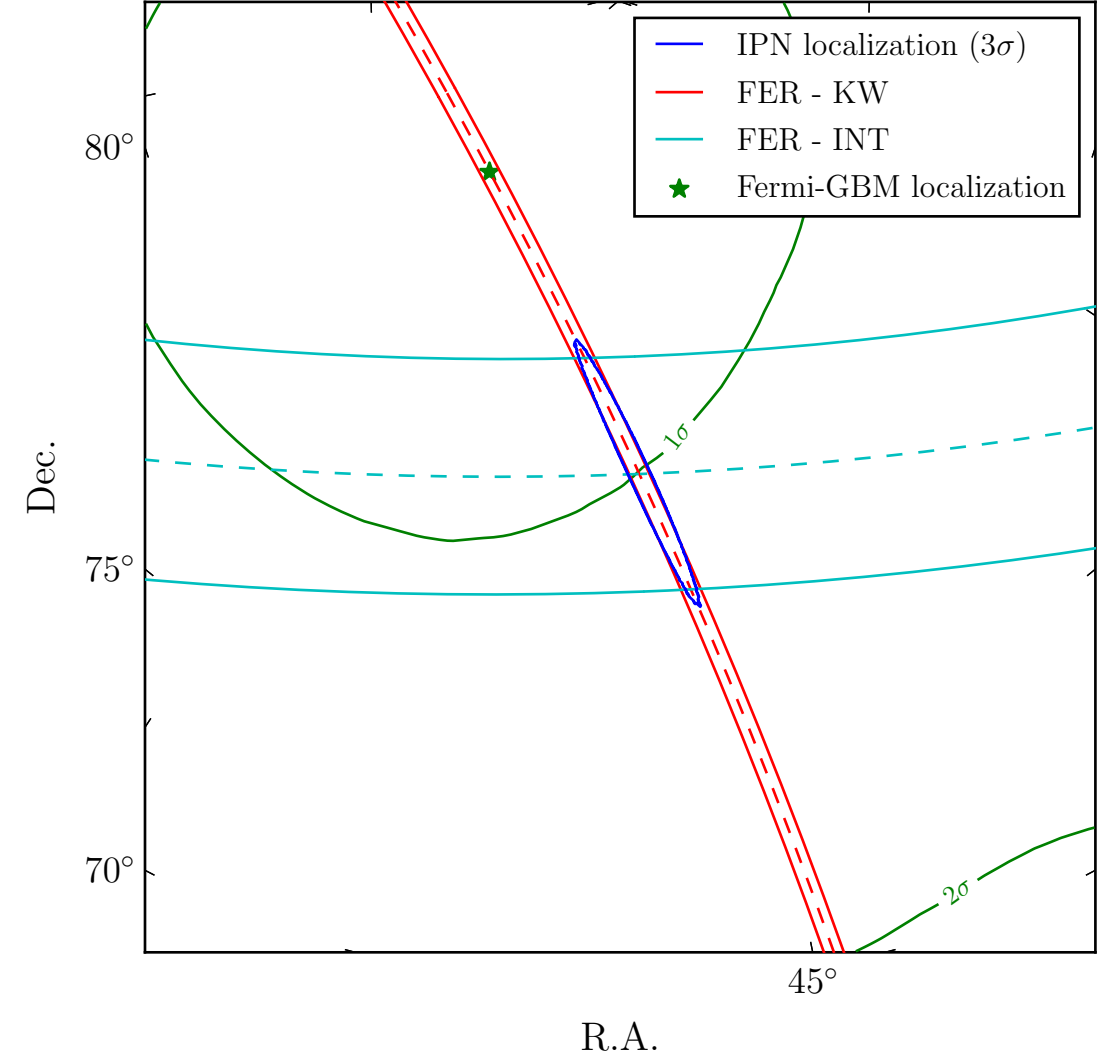
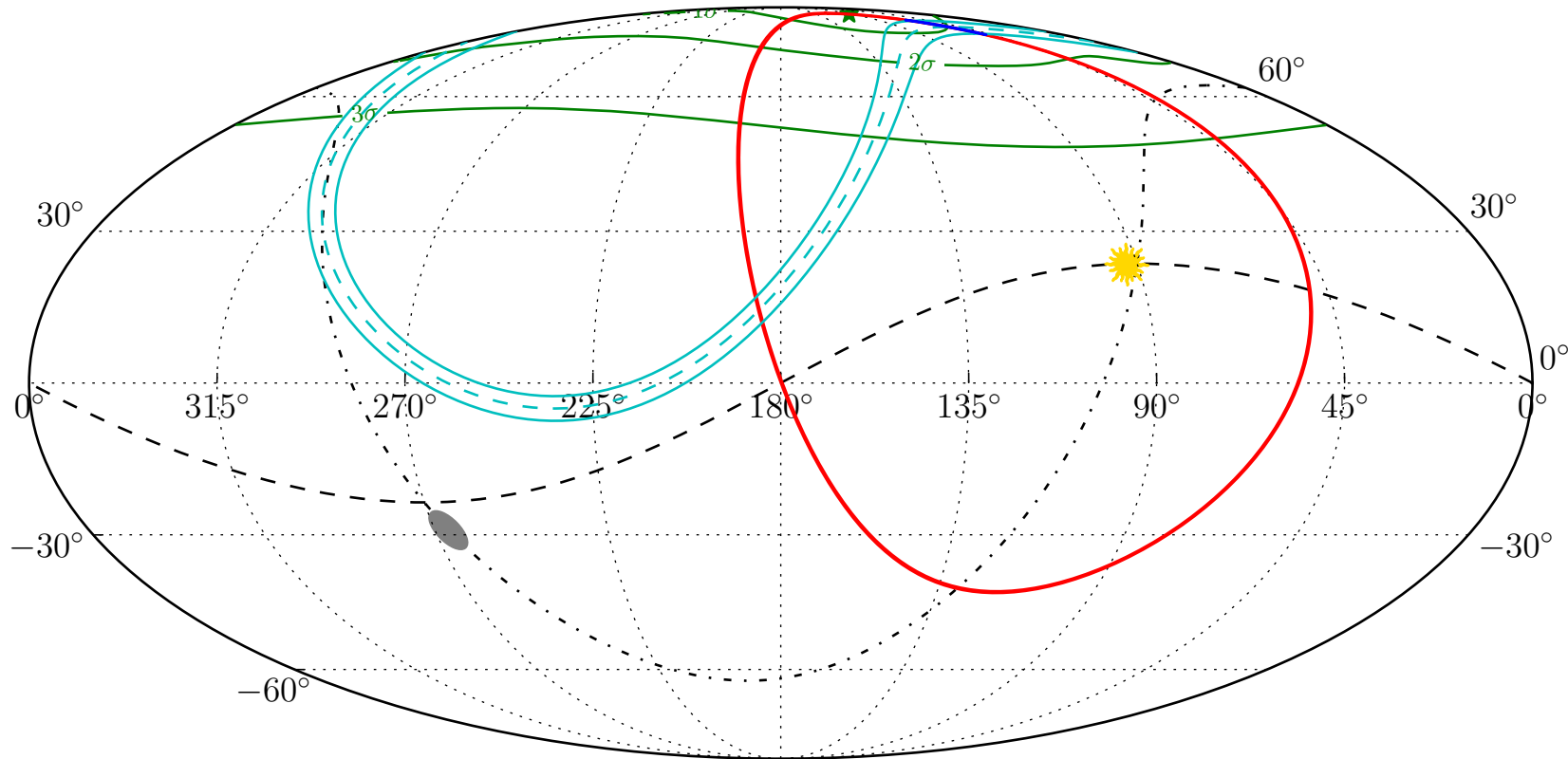
# GRB210605A (2021-06-05 $T_0=18539.058$ s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - MO	298.1360	-22.2994	69.9205	0.0201
KW - FER	279.4737	-22.2869	82.4583	0.0697
FER - INT	48.3414	-48.2350	18.1924	2.6227

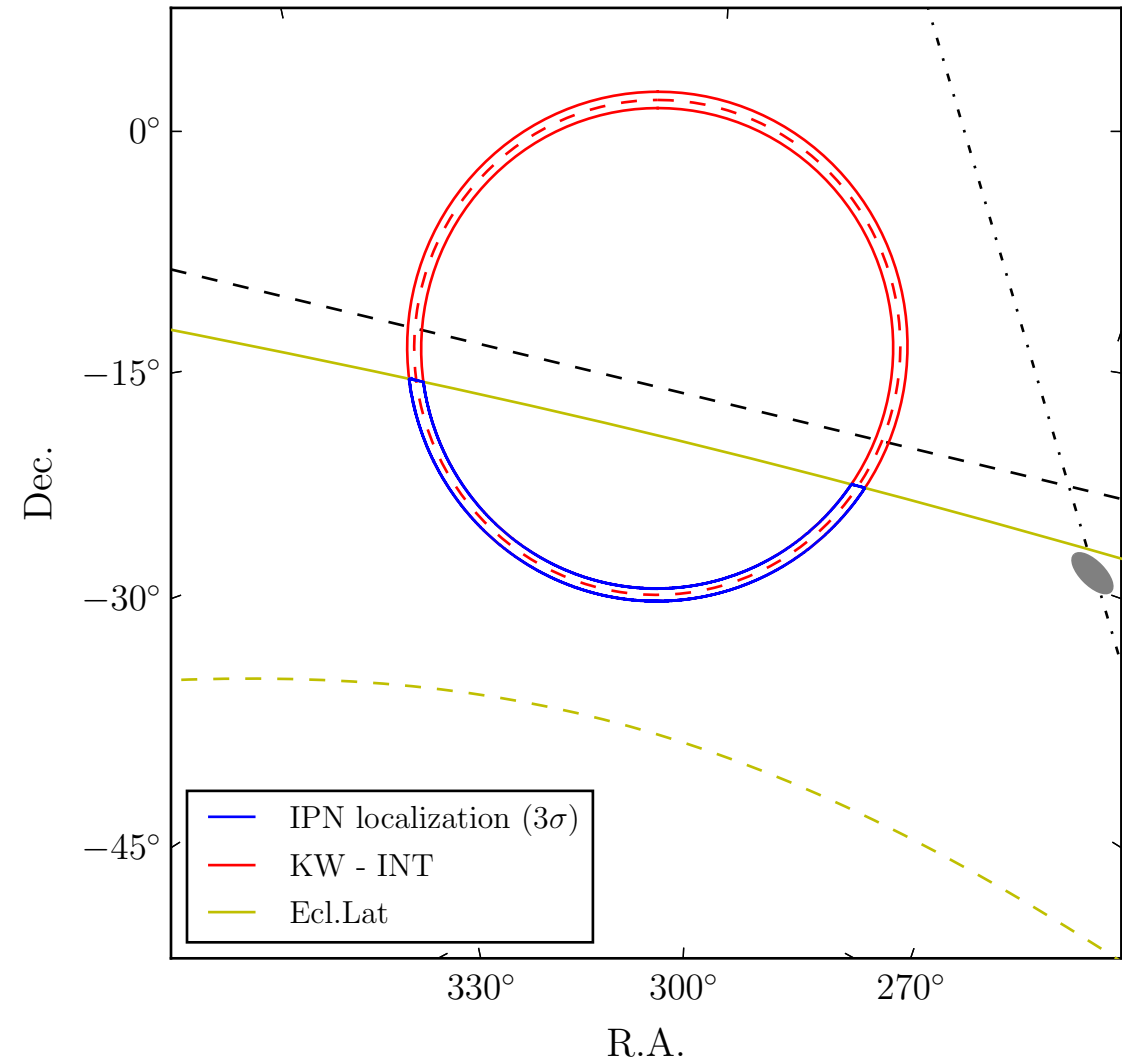
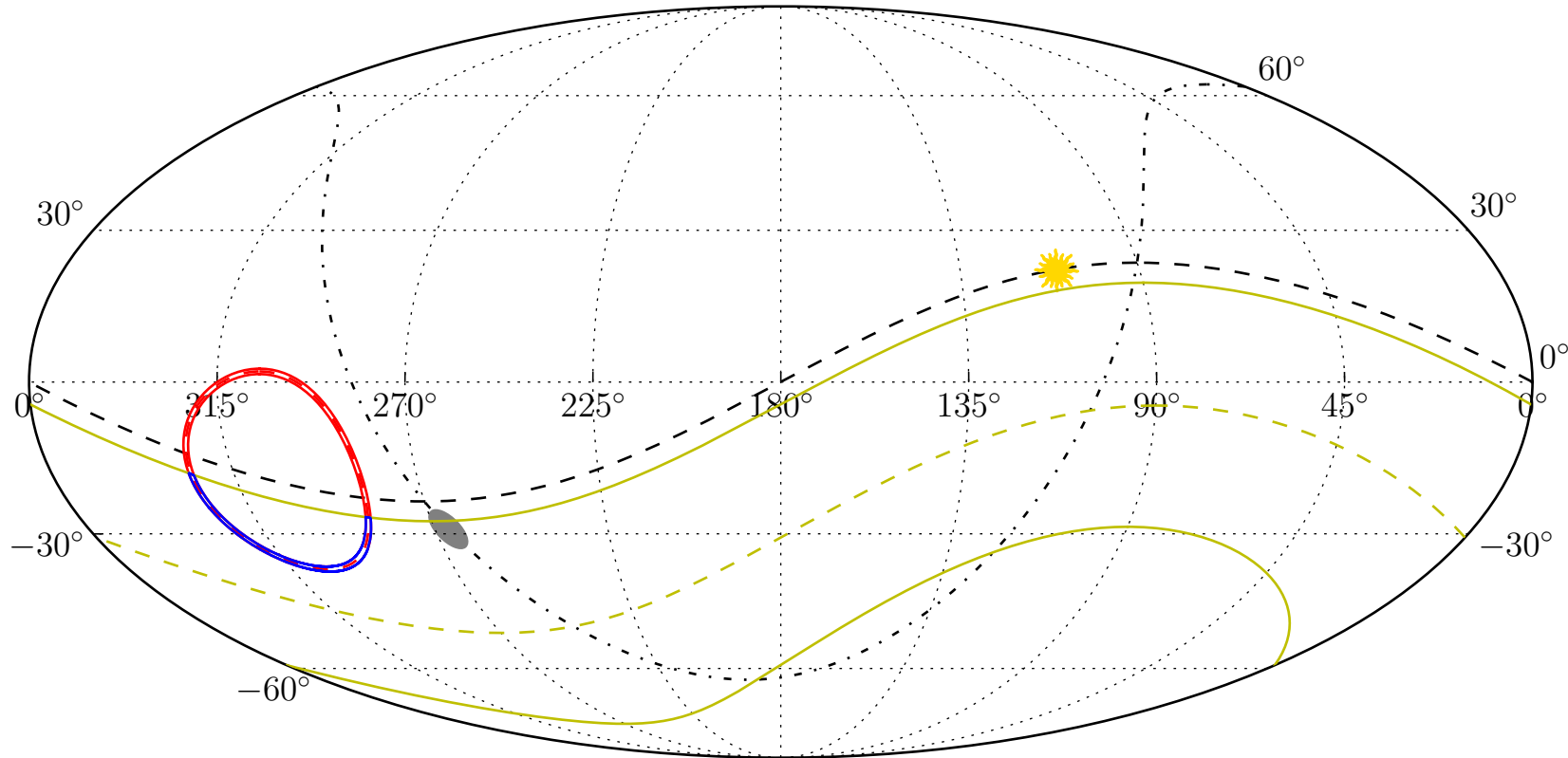
# GRB210624A (2021-06-24 T<sub>0</sub>=3500.902 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
FER - KW	117.9327	21.9663	64.0503	0.1887
FER - INT	234.3116	47.3459	52.2984	2.3989

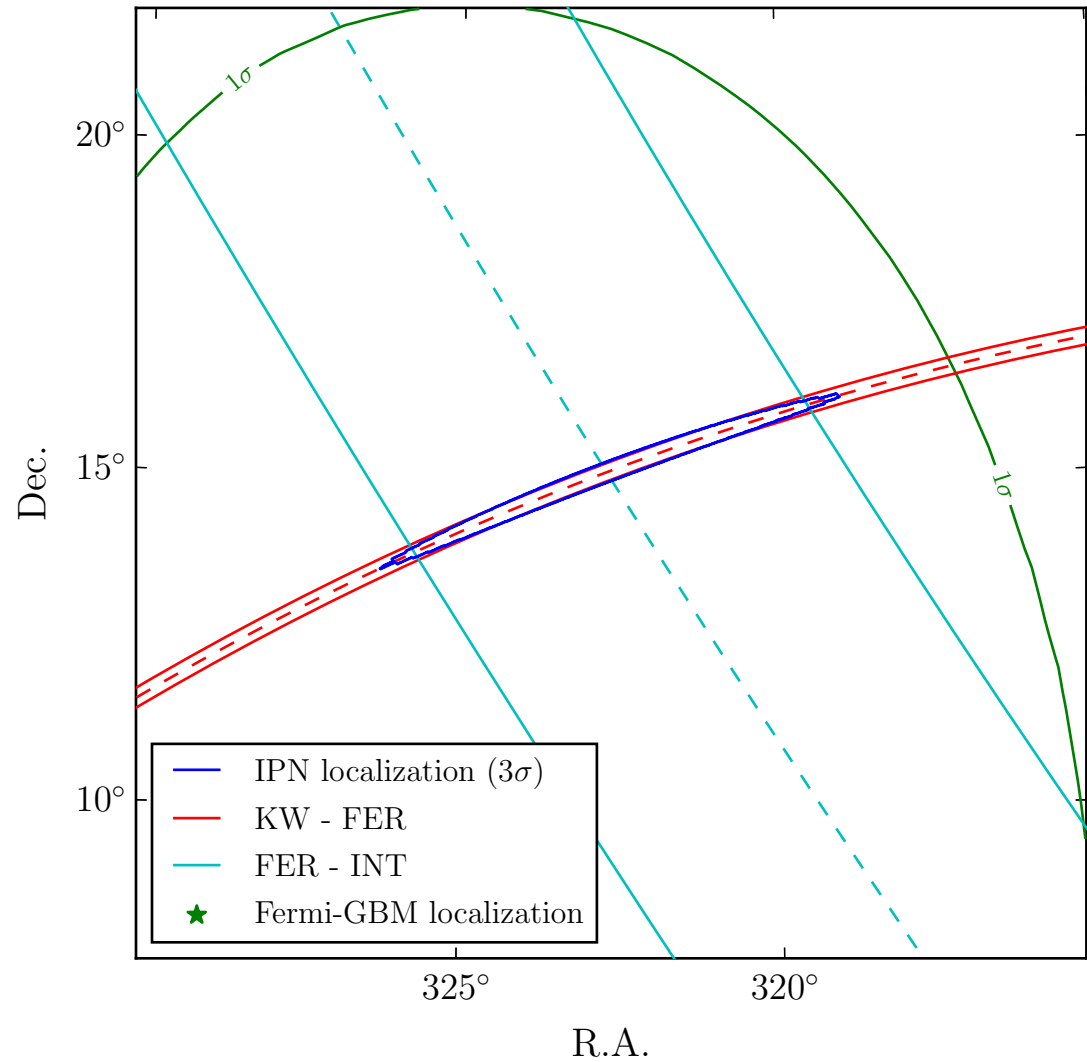
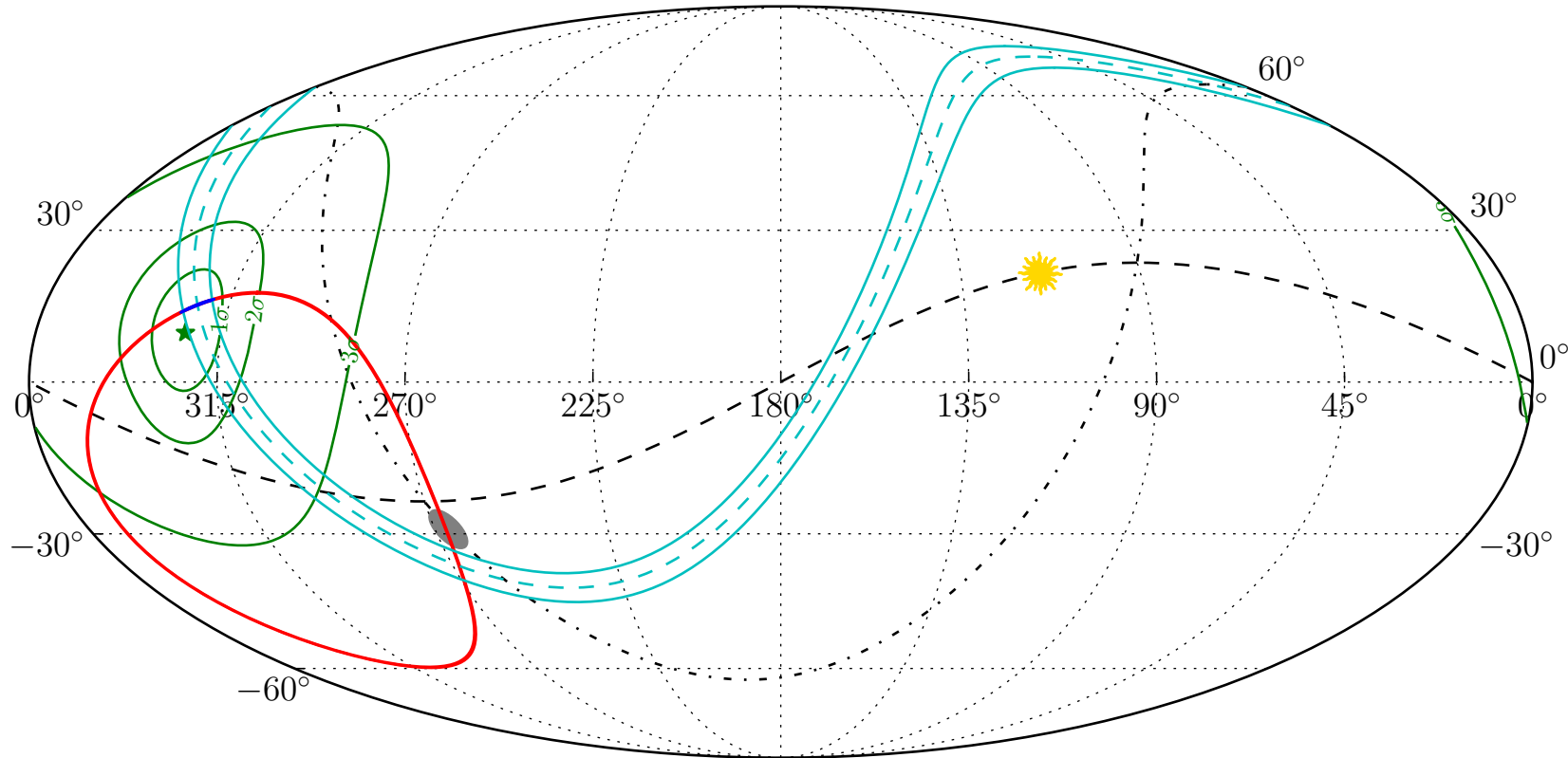
# GRB20210711\_T57982 (2021-07-11 T<sub>0</sub>=57982.380 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	304.8827	-17.6362	19.7118	0.5274
Ecl.Lat	270.0000	66.5610	118.0000	24.0000

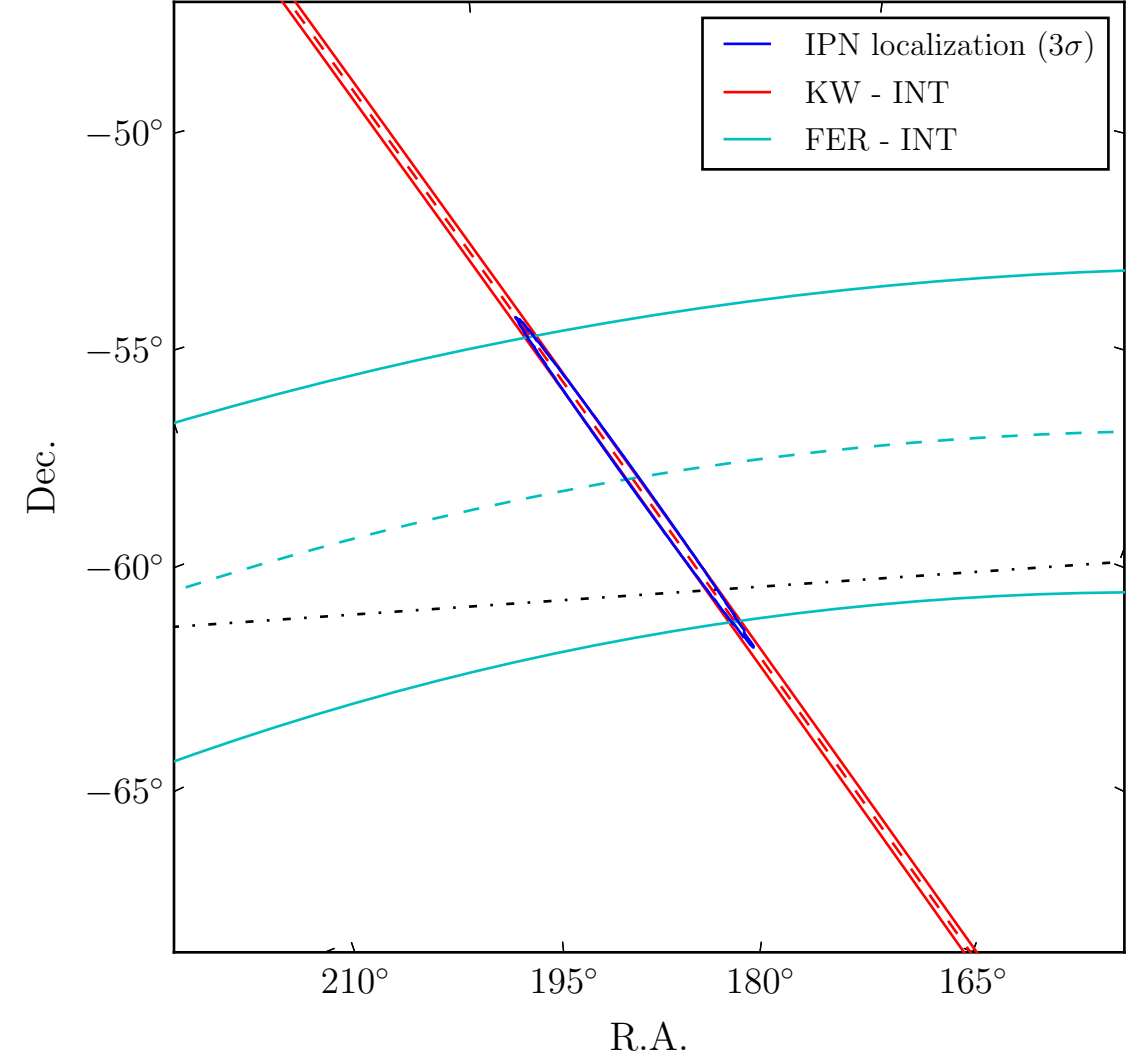
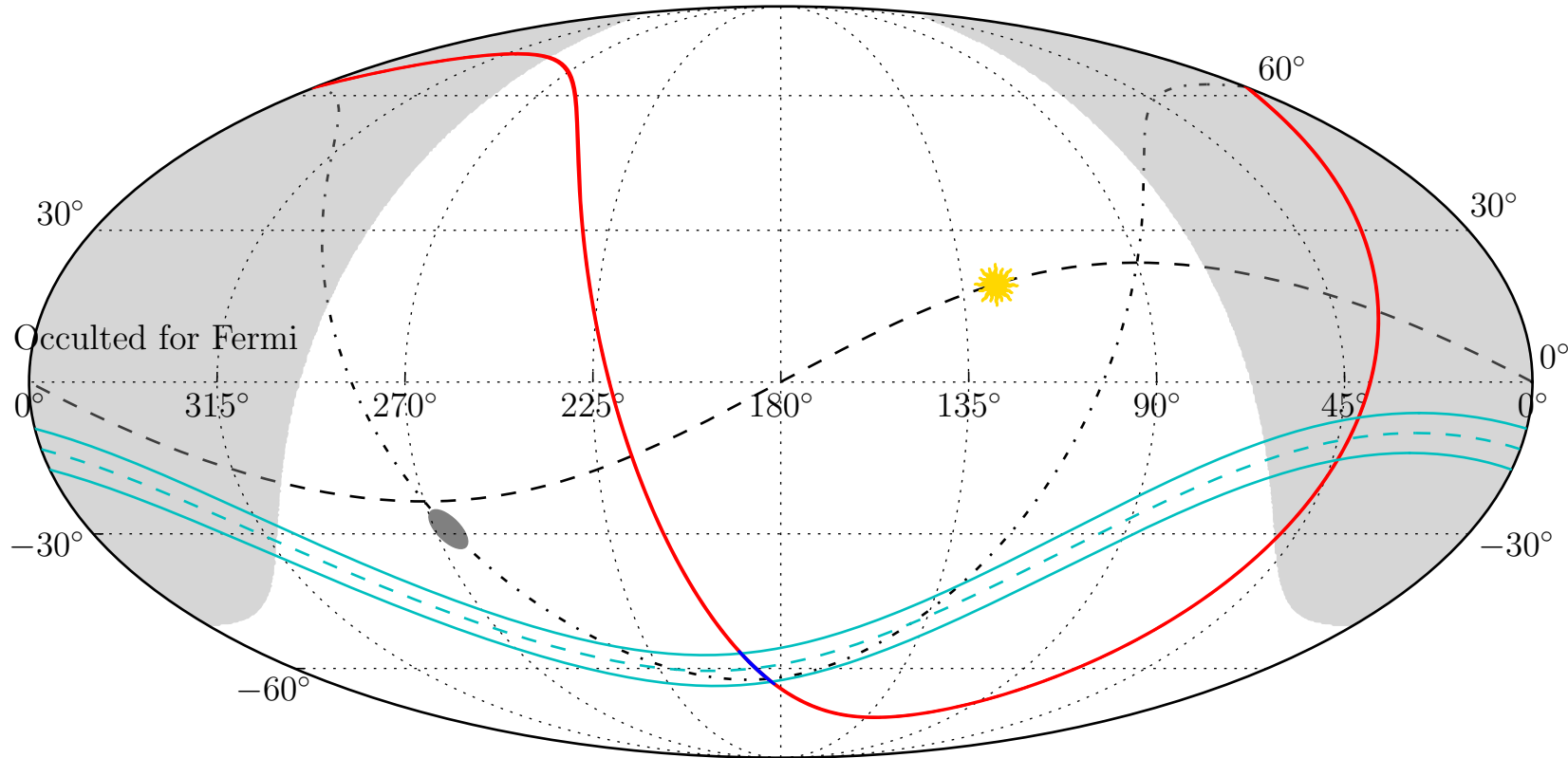
GRB20210715\_T74795 (2021-07-15  $T_0=74795.280$  s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - FER	309.0623	-21.1399	38.5876	0.1300
FER - INT	240.3279	34.0841	75.4325	3.1245

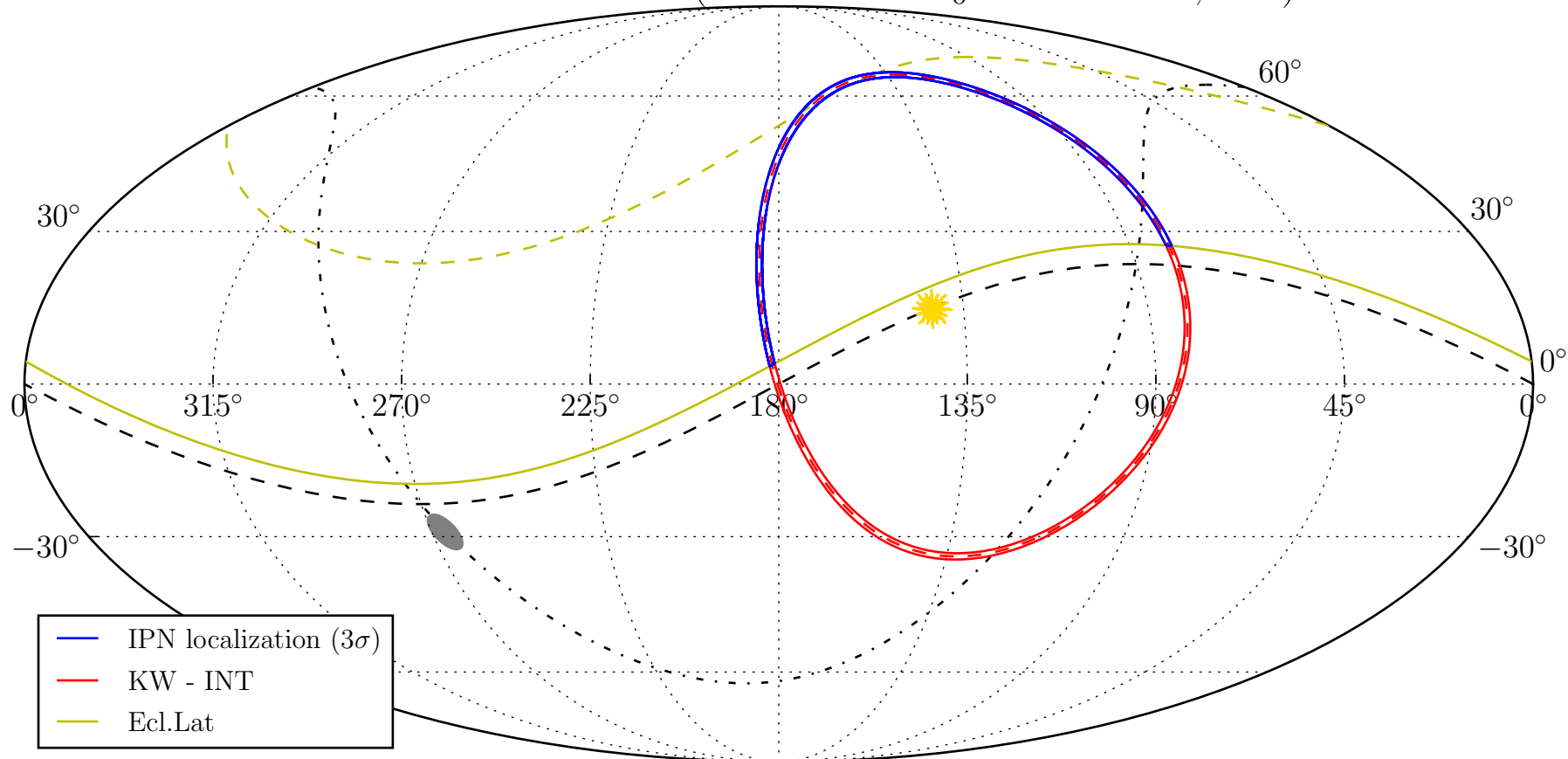
# GRB210727A (2021-07-27 T<sub>0</sub>=35447.325 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	309.9441	-17.6310	88.9310	0.1258
FER - INT	26.6431	-64.6519	54.7347	3.9068

# GRB20210813\_T08110 (2021-08-13 T<sub>0</sub>=8110.486 s, UT)



Parameters of IPN annuli

Instruments	Center, RA, deg	Center, Dec, deg	Radius, deg	Half-width deg
KW - INT	132.4048	15.7302	49.7955	0.6536
Ecl.Lat	270.0000	66.5610	43.0000	43.0000