

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3066 - L2 Version 3
Chandra X-Ray Center

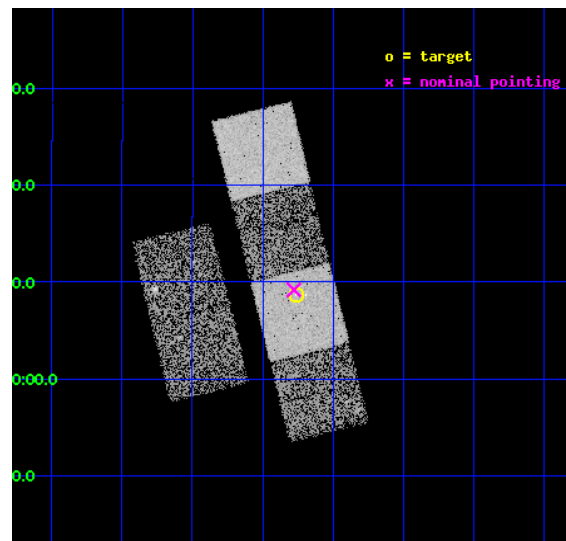
L2 Processing Date : Oct 16 2012

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1 Front

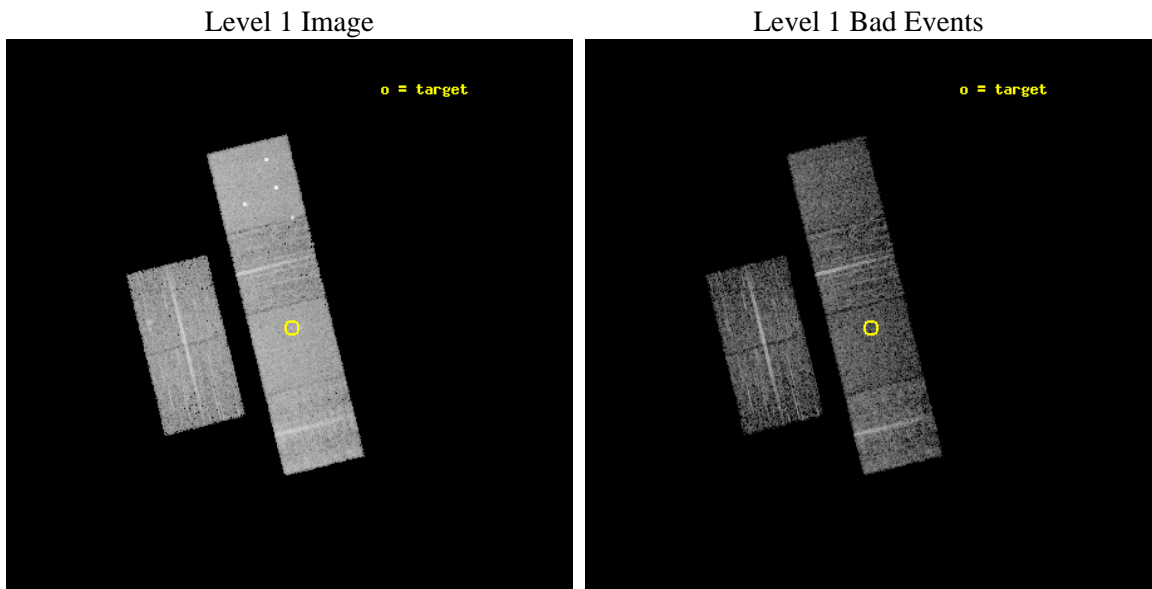
seq_num	700505	Sequence number
obs_id	3066	Observation id
title	X-RAY WEAK BROAD-LINE QUASARS: ABSORPTION OR INTRINSIC X_RAY WEAKNESS ?	Proposal title
observer	Dr Guido Risaliti	Principal investigator
object	HS 0848+1119	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.690417	Observer's specified target RA [deg]
dec_targ	11.144528	Observer's specified target Dec [deg]
ra_nom	132.69445320508	Nominal RA [deg]
dec_nom	11.153339087347	Nominal Dec [deg]
roll_nom	76.221211041379	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6118.3999772072	Sum of GTIs [s]
livetime	6040.9251126376	Livetime [s]
ontime2	6118.3999772072	Sum of GTIs [s]
ontime3	6118.3999772072	Sum of GTIs [s]
ontime5	6118.3999772072	Sum of GTIs [s]
ontime6	6118.3999772072	Sum of GTIs [s]
ontime7	6118.3999772072	Sum of GTIs [s]
ontime8	6118.3999772072	Sum of GTIs [s]
l2events	60012	Number of level 2 events



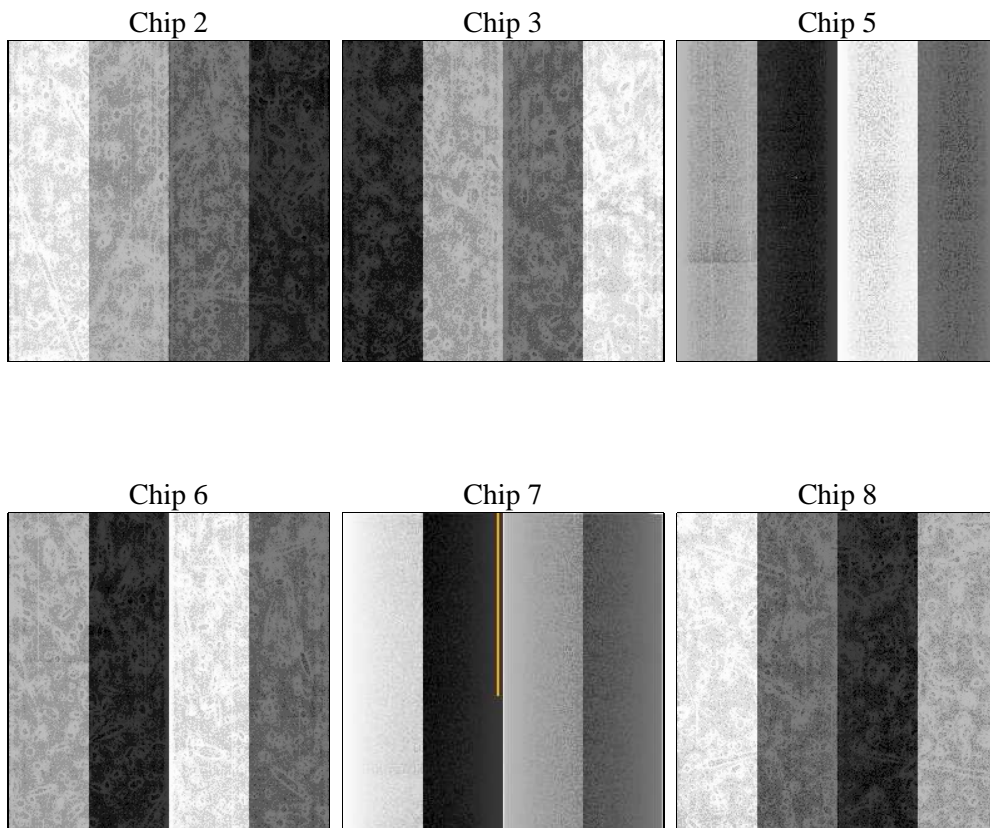
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6118.3999772072	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	6118.3999772072	Sum of GTIs [s]
date	2012-10-16T23:41:04	Date and time of file creation	ontime3	6118.3999772072	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	6118.3999772072	Sum of GTIs [s]
			ontime6	6118.3999772072	Sum of GTIs [s]
			ontime7	6118.3999772072	Sum of GTIs [s]
			ontime8	6118.3999772072	Sum of GTIs [s]
			l1events	285180	Number of level 1 events

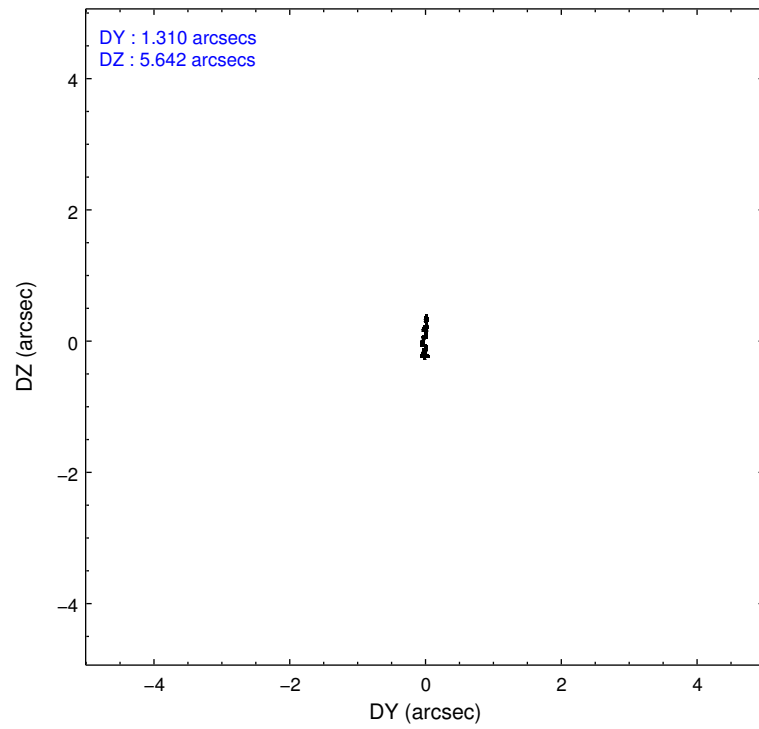
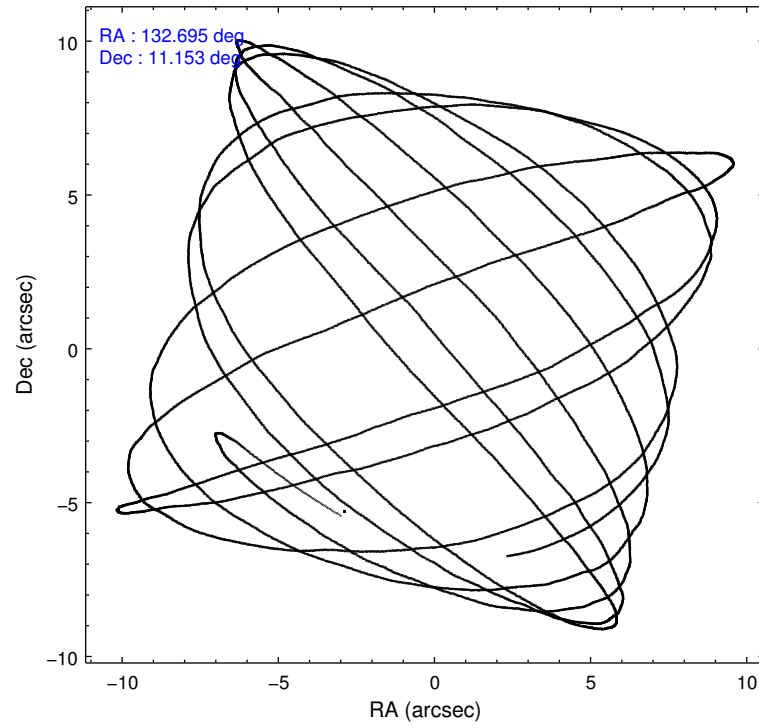
2.1.4 Events

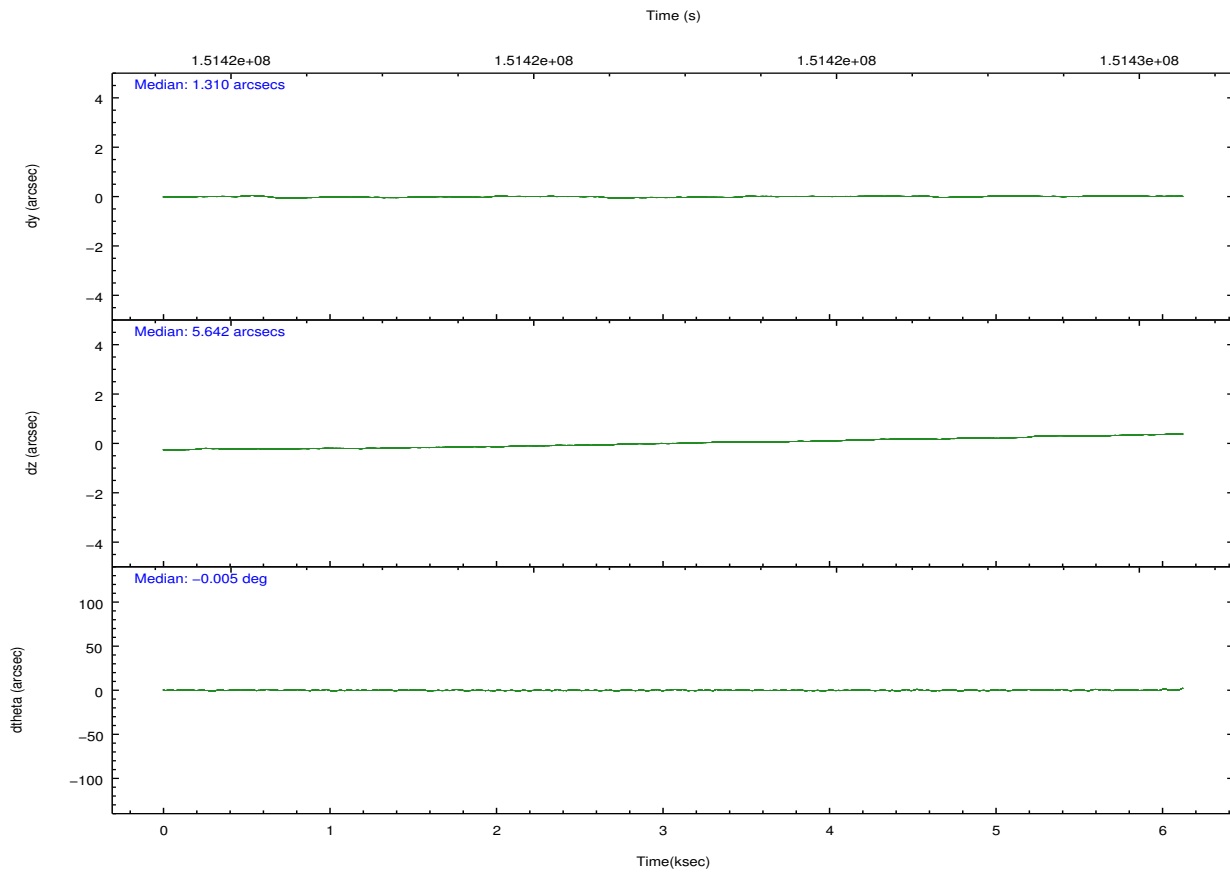
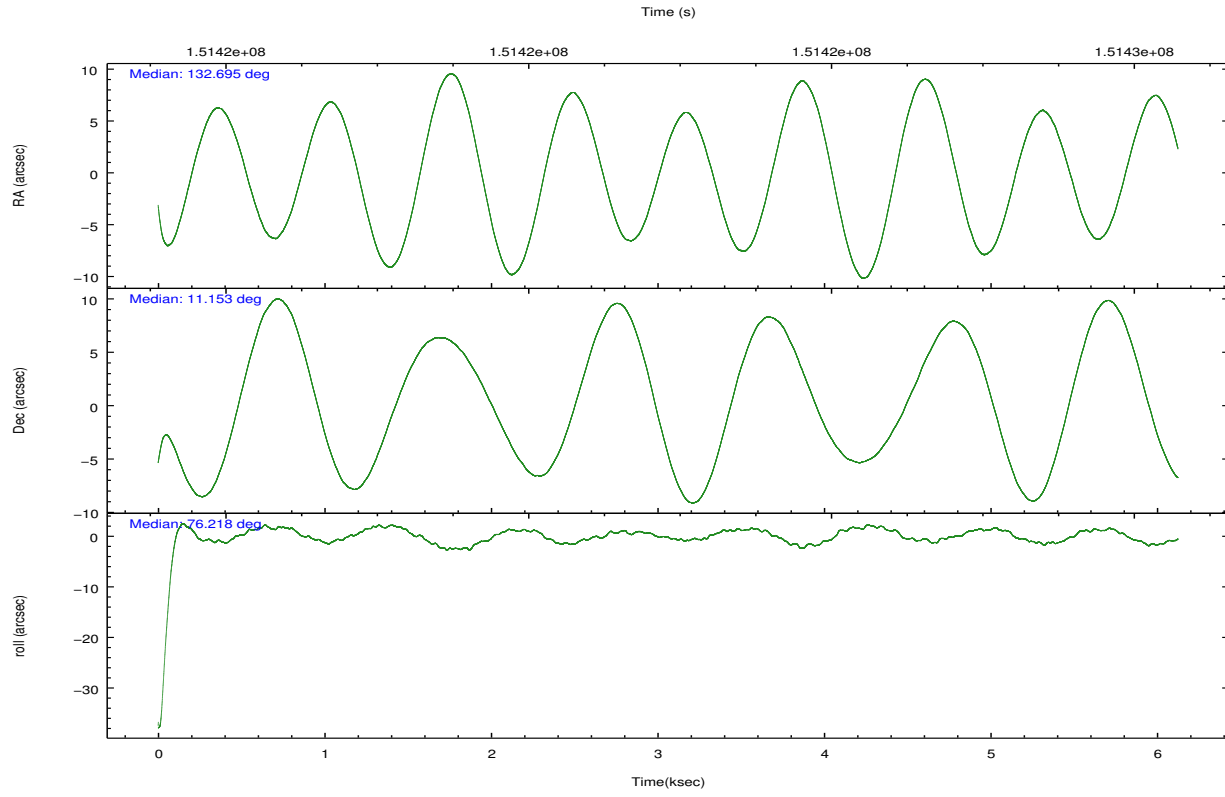
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	39681	38235	60117	41113	52072	53962	grade 0 events	2414	1945	5563	1929	1969	4056
rejected events	34891	33980	32340	36445	31266	42171		6%	5%	9%	4%	3%	7%
rejected %	87%	88%	53%	88%	60%	78%	grade 1 events	33	28	126	9	46	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	940	842	7691	1033	4171	2313
								2%	2%	12%	2%	8%	4%
							grade 3 events	461	441	1184	490	1844	1522
								1%	1%	1%	1%	3%	2%
							grade 4 events	414	462	1092	470	1939	1473
								1%	1%	1%	1%	3%	2%
							grade 5 events	1451	1649	4298	1810	5076	2280
								3%	4%	7%	4%	9%	4%
							grade 6 events	778	725	13429	959	11729	2957
								1%	1%	22%	2%	22%	5%
							grade 7 events	33190	32143	26734	34413	25298	39321
								83%	84%	44%	83%	48%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	132.702520	132.694453205082	Subarray requested	NONE	NONE
[deg] Pointing Dec	11.127331	11.15333908734745	Alternating exposures requested	N	N
[deg] Pointing Roll	76.063117	76.22121104137943	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	151419978.184000	151418820.36537			
Observation start date	2002-10-19T13:05:14	2002-10-19T12:47:00			
[s] Observation end time (MET)	151425978.184000	151426514.01569			
Observation end date	2002-10-19T14:45:14	2002-10-19T14:55:14			
Read mode	TIMED	TIMED			

2.3 Aspect



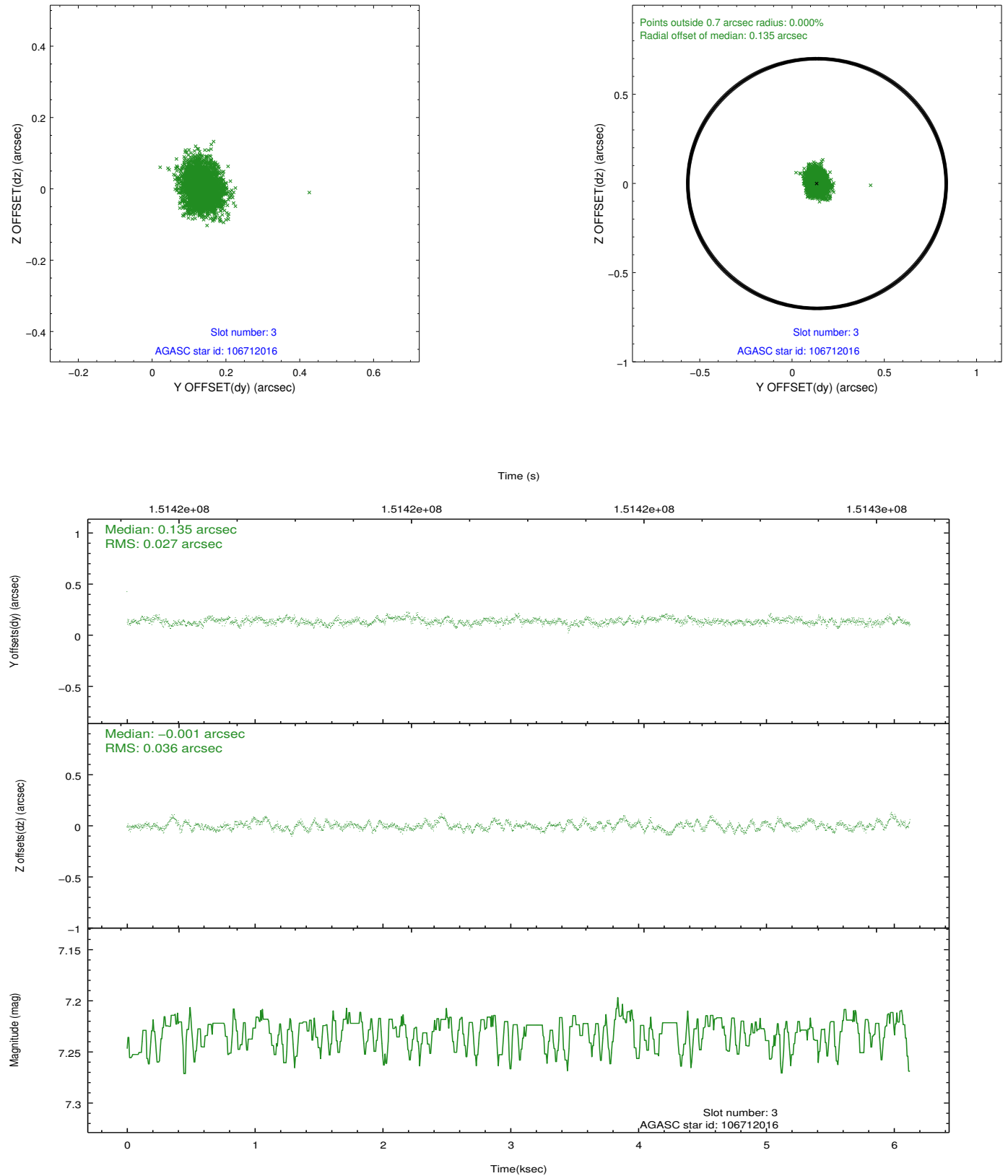


Slot Statistics

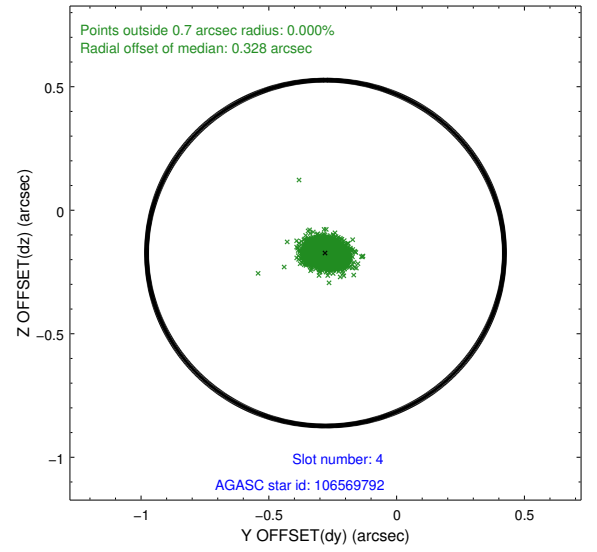
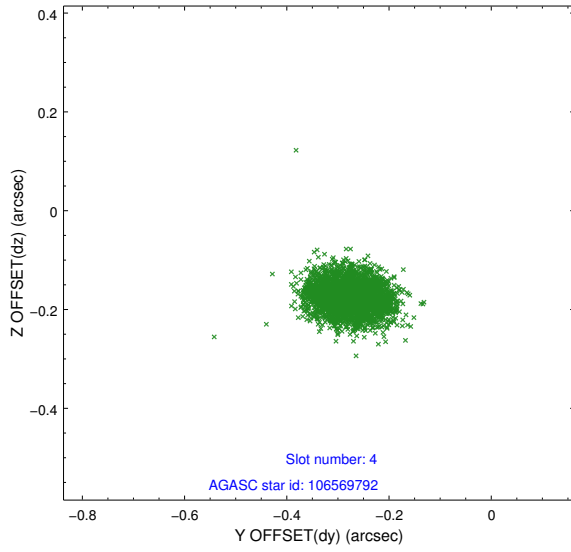
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1494	-0.062	-0.003	0.007	0.011	0.000000	0.000000	-753.92	-1726.75
1	FID	ACIS-S-4	7.21	1494	0.014	0.031	0.006	0.010	0.000000	0.000000	2158.96	180.83
2	FID	ACIS-S-5	7.24	1494	0.017	-0.019	0.007	0.012	0.000000	0.000000	-1805.48	175.46
3	GUIDE	106712016	7.23	2989	0.135	-0.001	0.048	0.079	132.984692	11.135900	270.24	-959.21
4	GUIDE	106569792	8.26	2989	-0.278	-0.173	0.054	0.086	132.551268	11.856800	2419.99	1150.06
5	GUIDE	106711040	8.73	2989	0.100	0.162	0.074	0.118	133.375578	11.151476	660.31	-2284.46
6	GUIDE	106574472	9.17	2988	-0.133	-0.204	0.071	0.115	132.394415	11.857138	2288.76	1686.36
7	GUIDE	106716080	8.10	2988	0.175	0.215	0.056	0.089	133.168501	10.334194	-2371.93	-2288.08

2.4 Star Slots

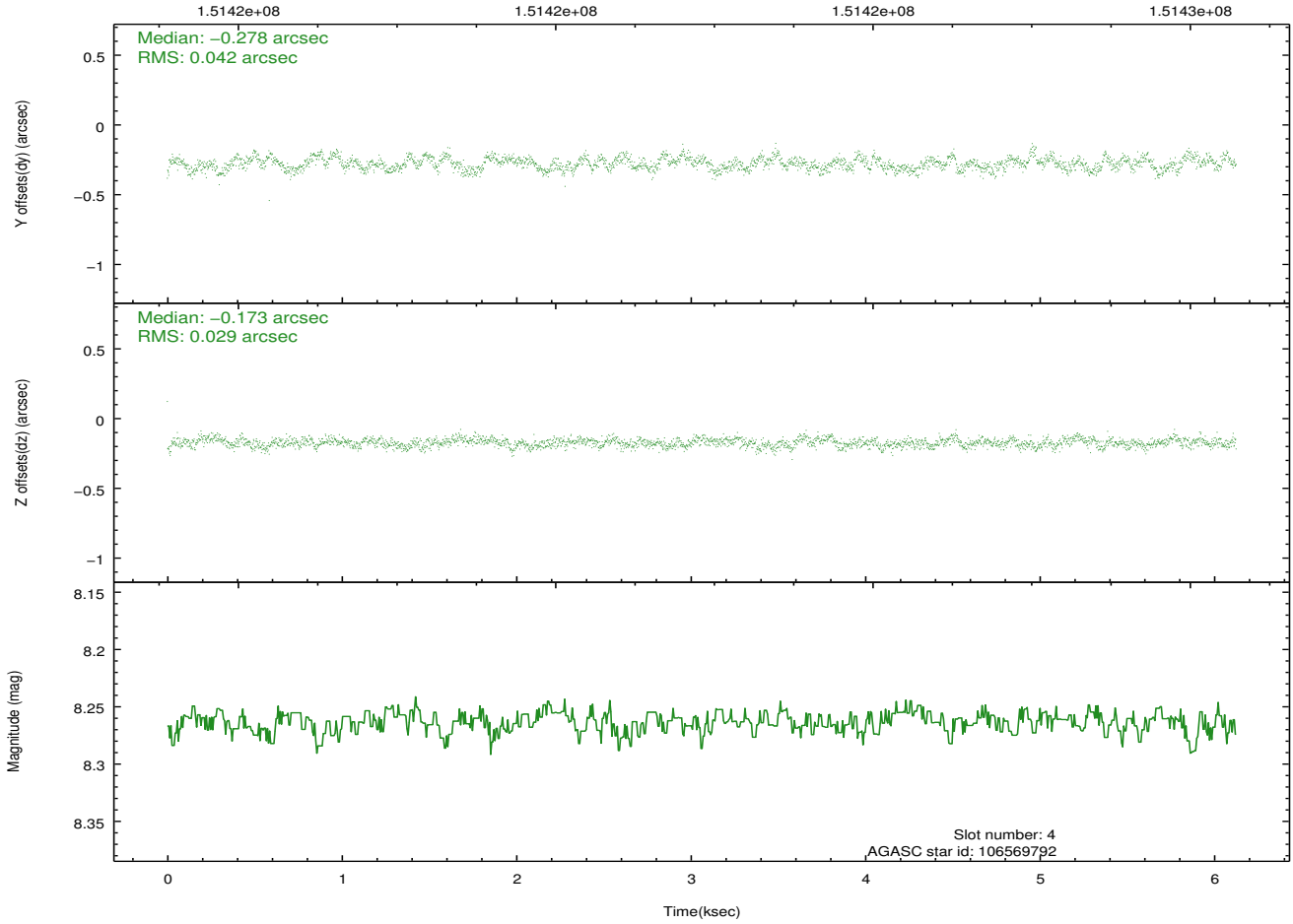
2.4.1 Slot 3



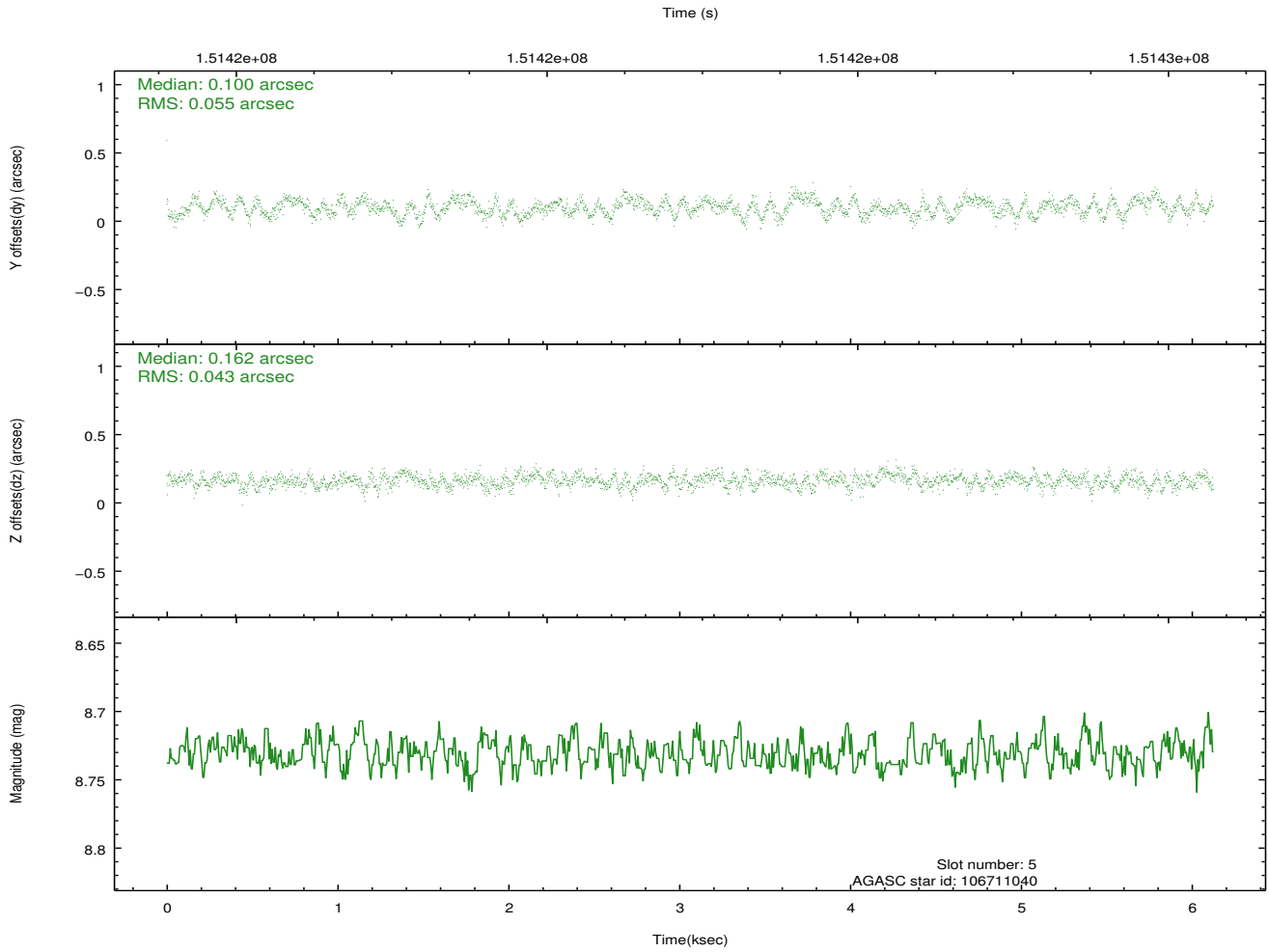
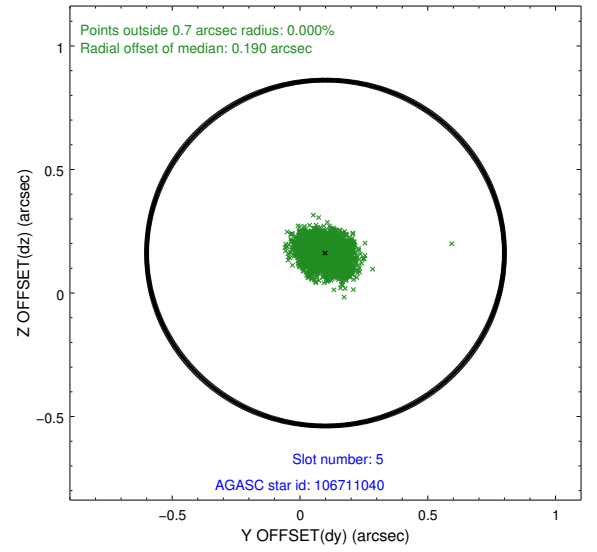
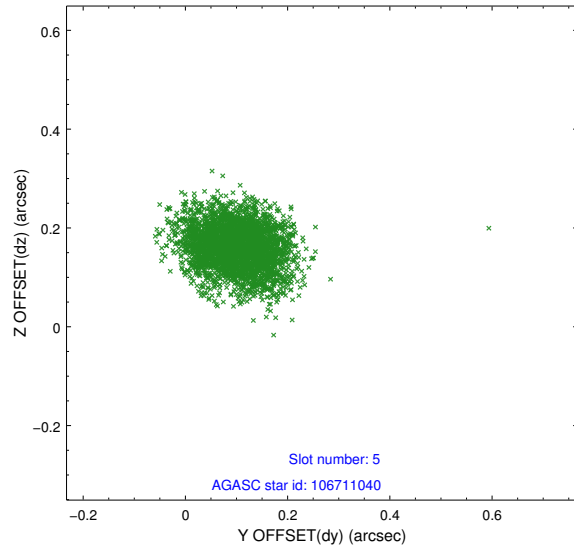
2.4.2 Slot 4



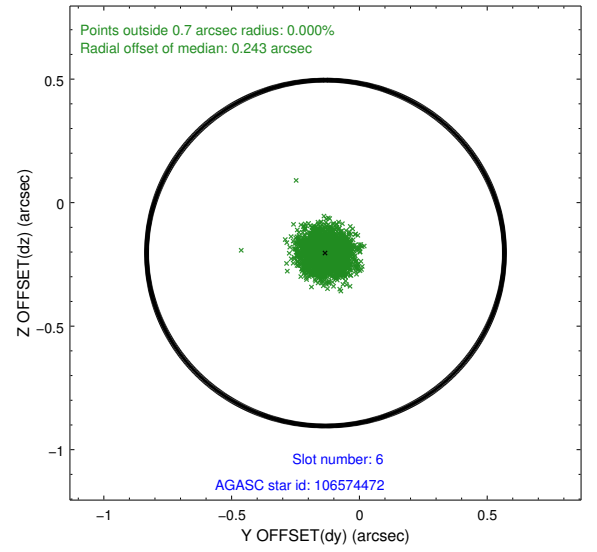
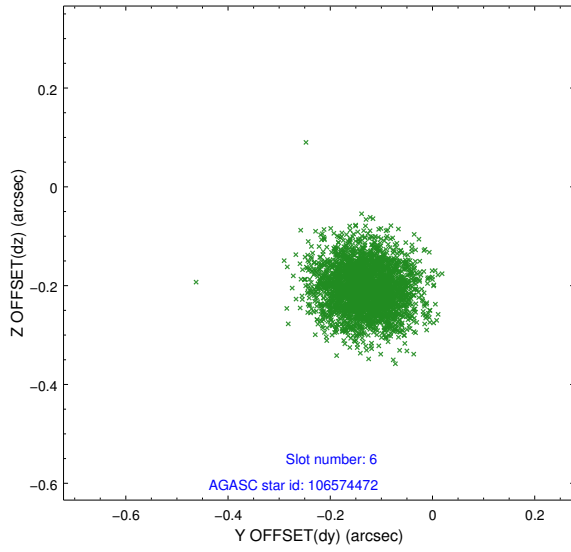
Time (s)



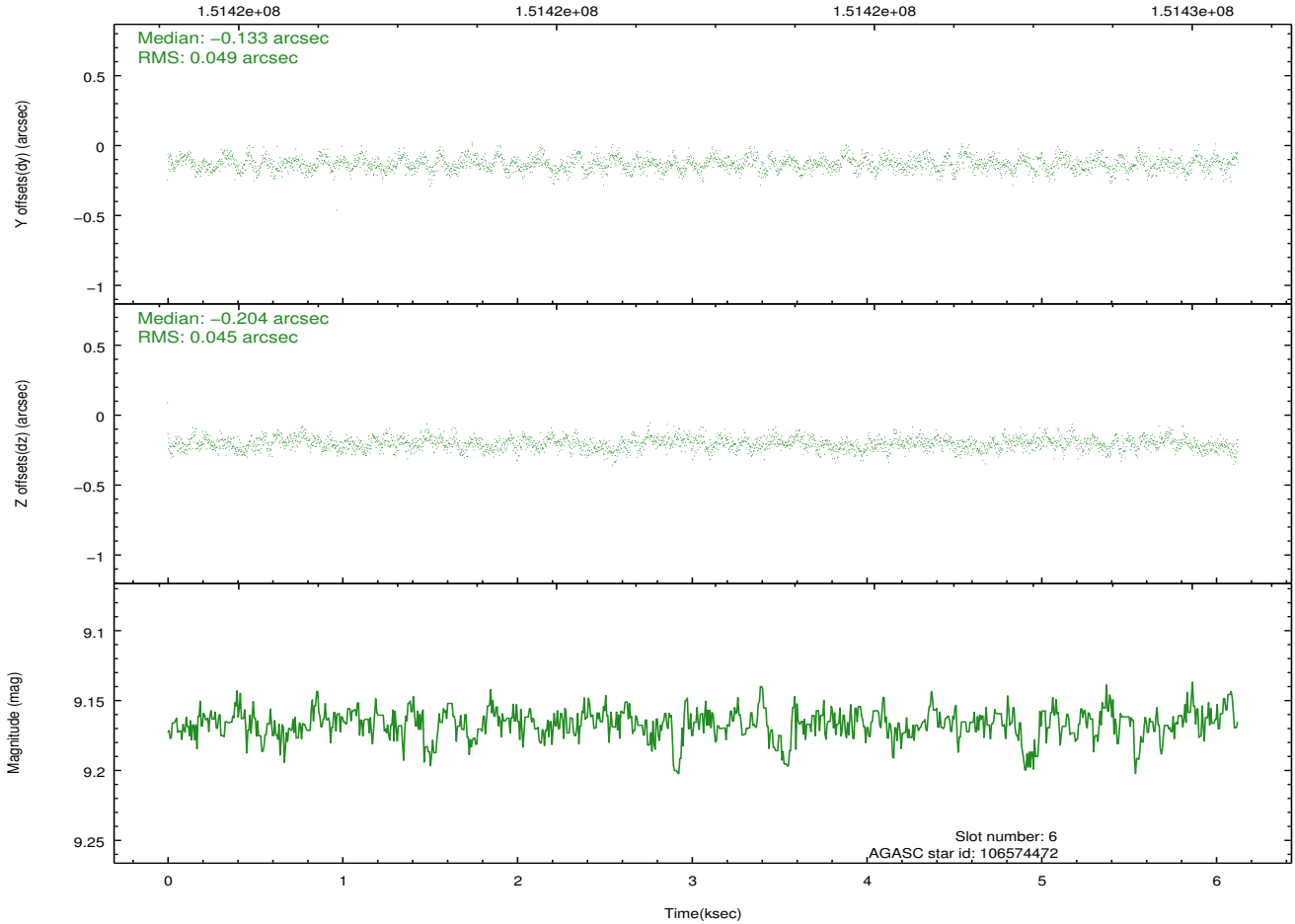
2.4.3 Slot 5



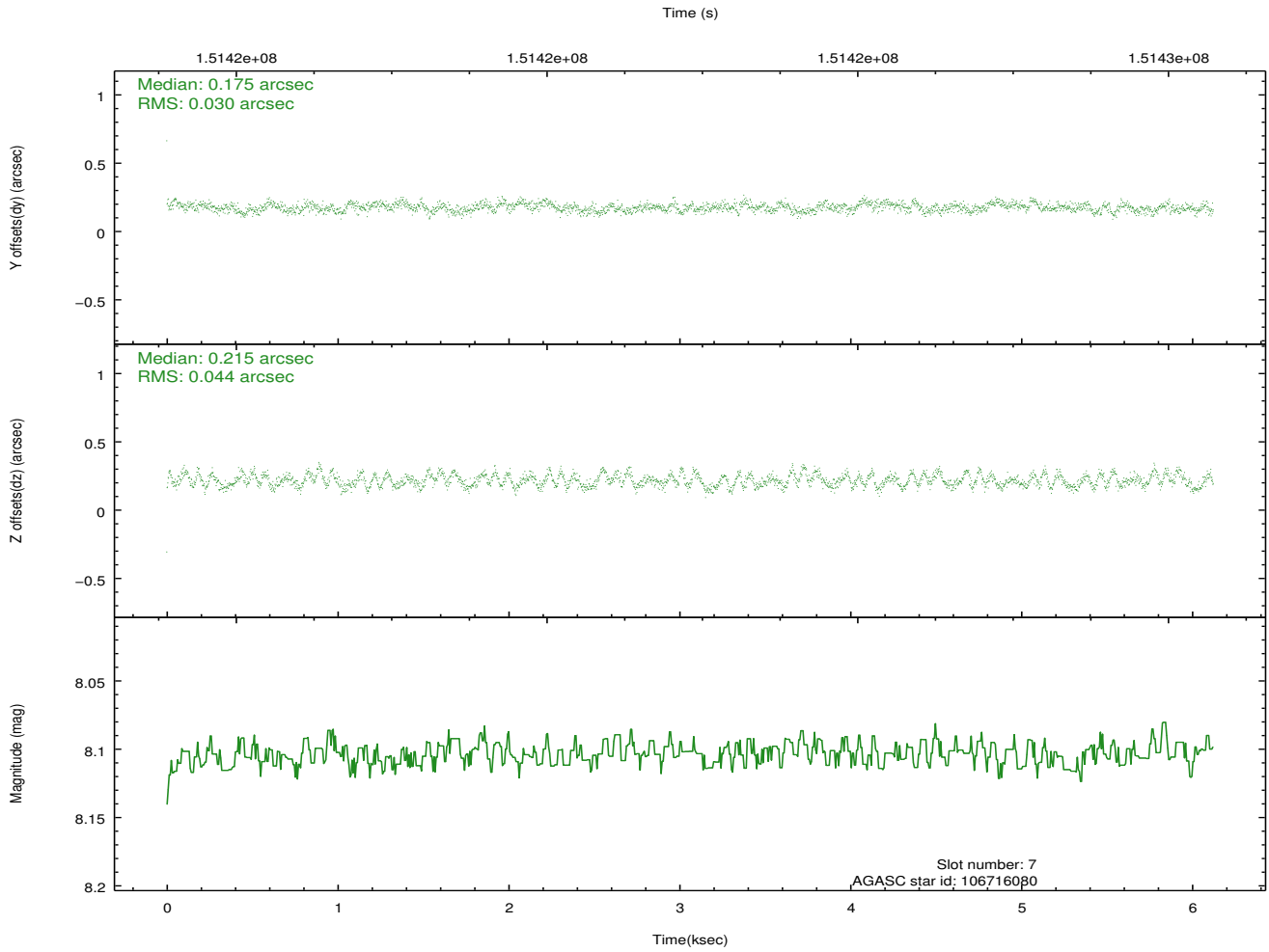
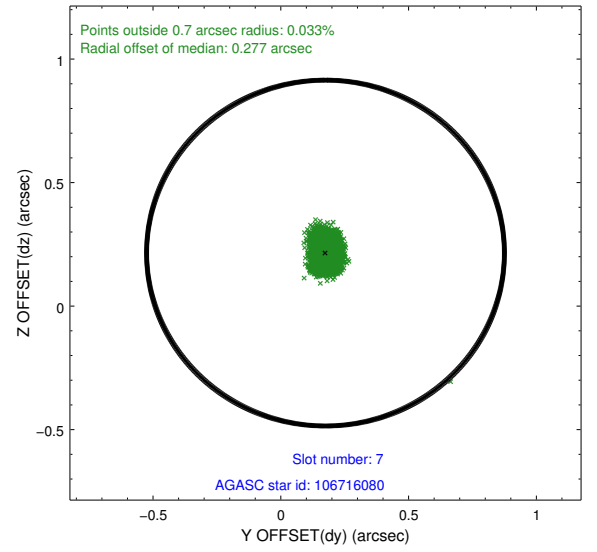
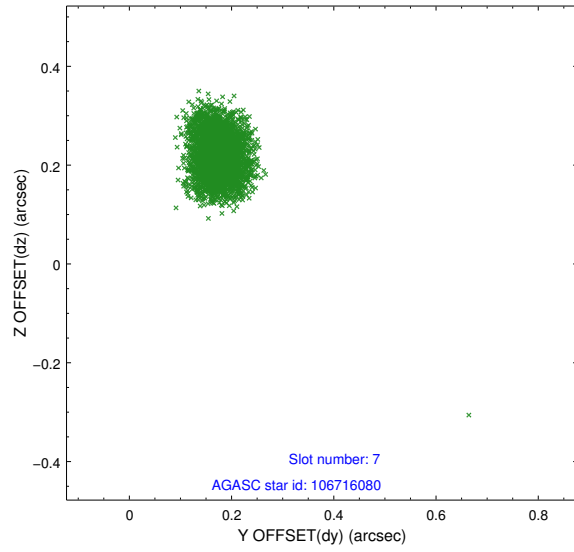
2.4.4 Slot 6



Time (s)

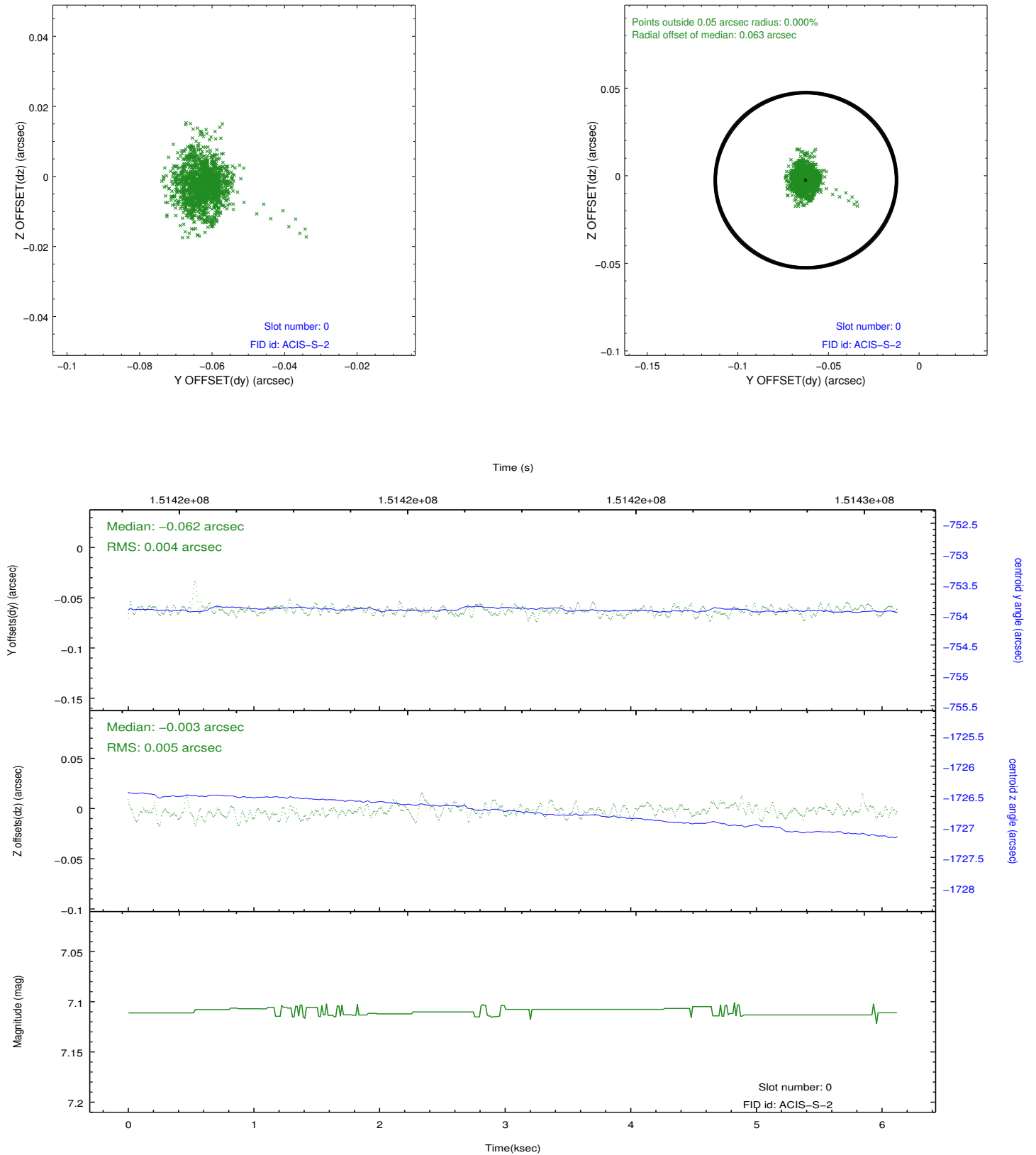


2.4.5 Slot 7

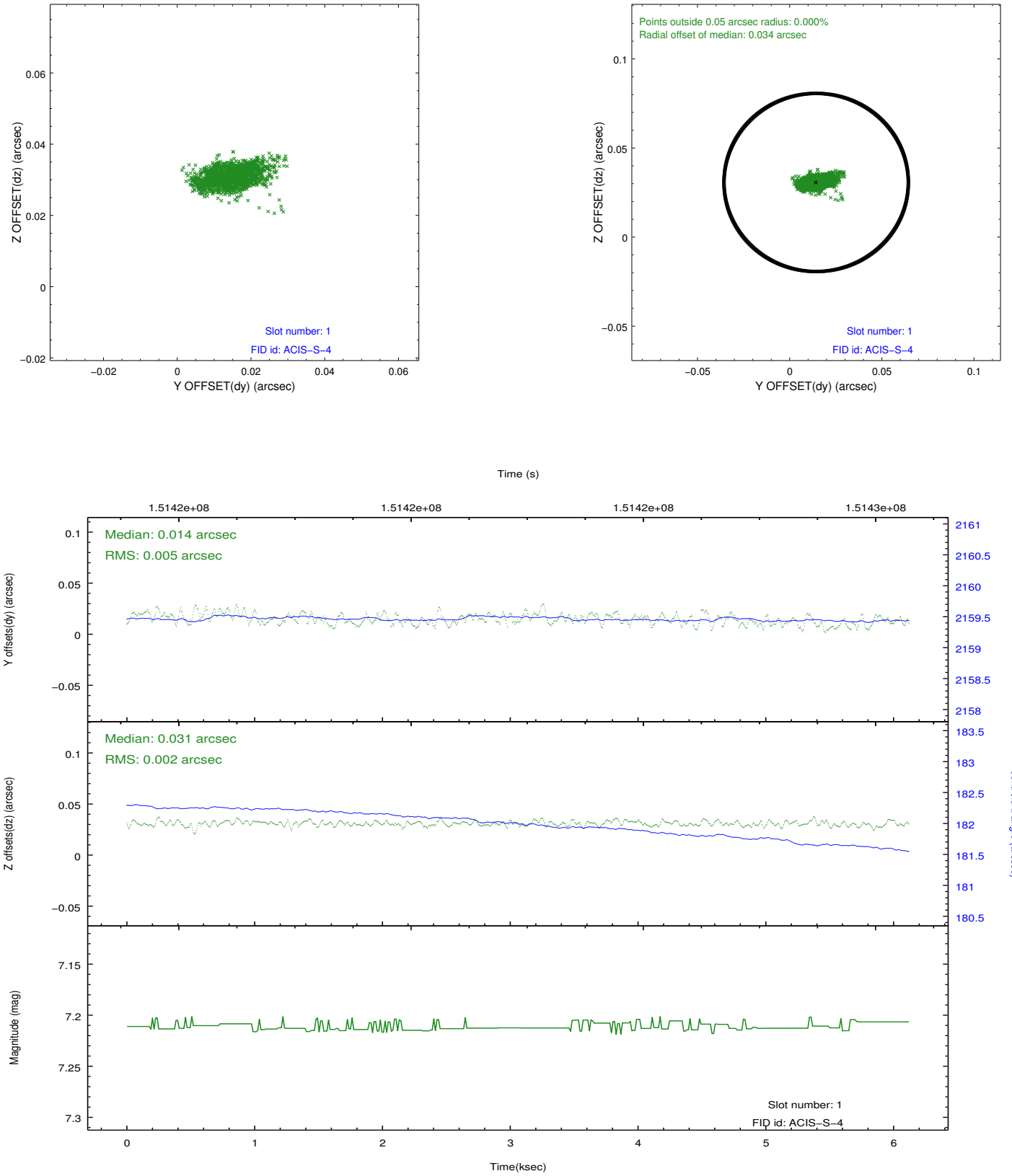


2.5 FID Slots

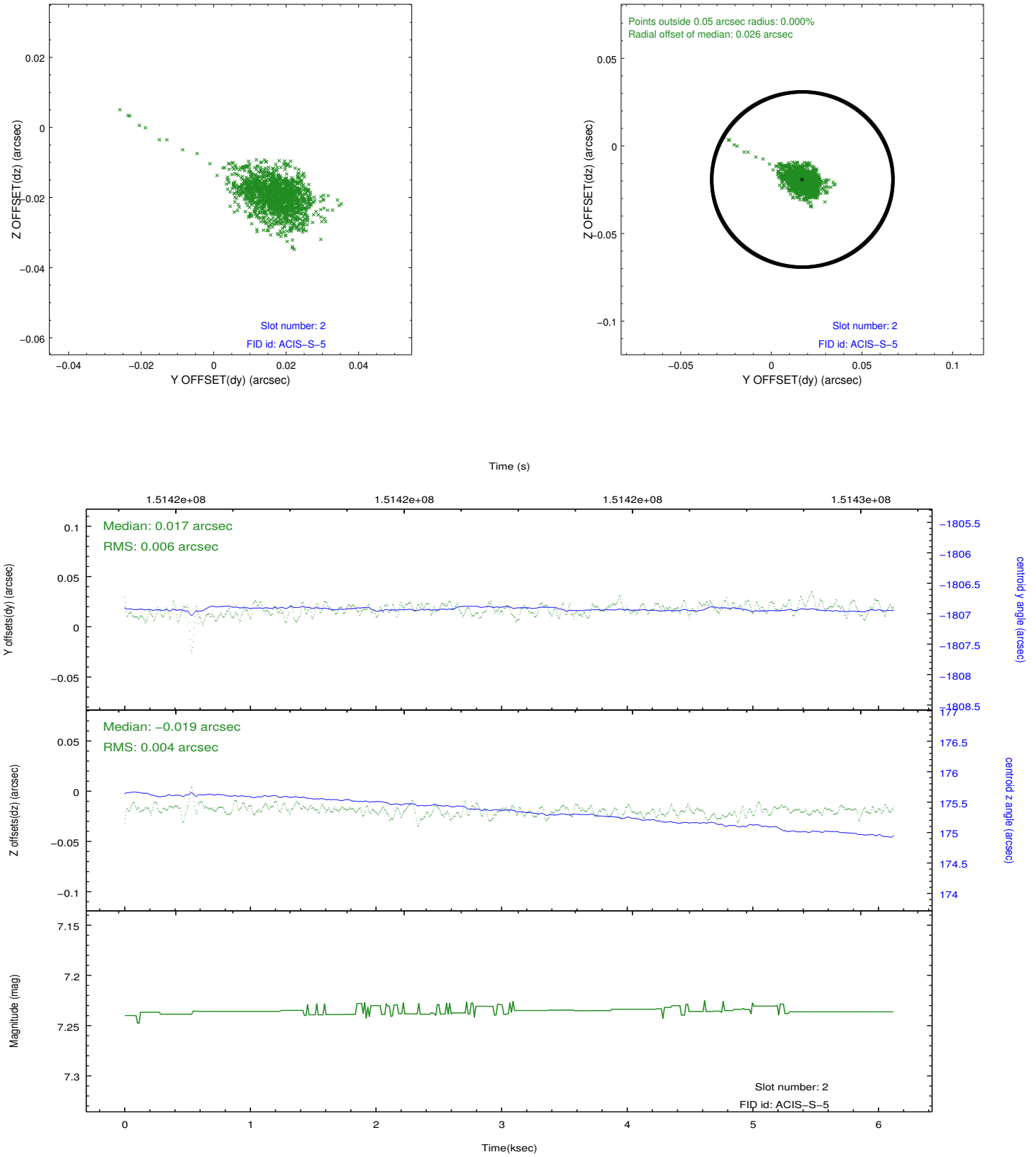
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.118

A.2 Comments