

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9861 - L2 Version 2
Chandra X-Ray Center

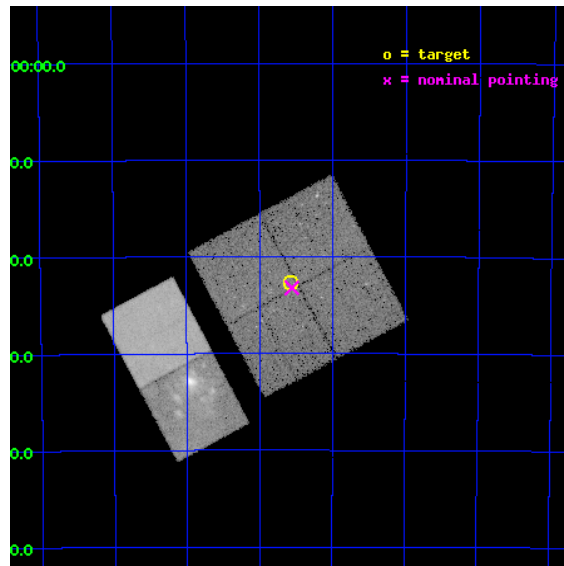
L2 Processing Date : May 17 2012

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1 Front

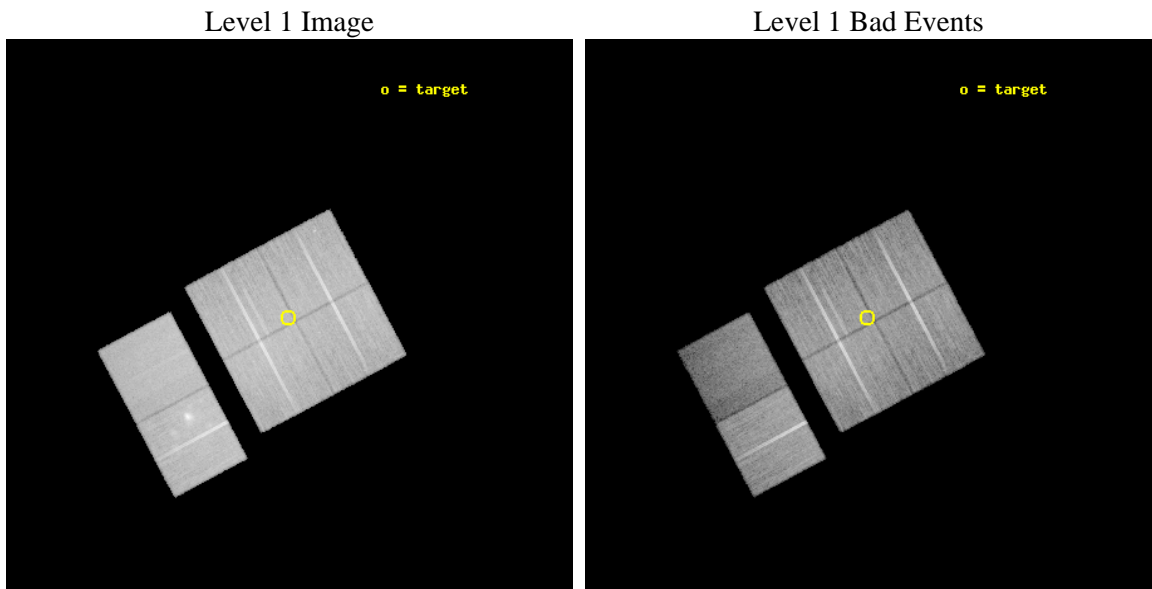
seq_num	900836	Sequence number
obs_id	9861	Observation id
title	The Great Nebula in Carina: Protoplanetary Disks to Starburst Galaxies	Proposal title
observer	Dr. Leisa Townsley	Principal investigator
object	Carina Superbubble Ptg 4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	160.642083	Observer's specified target RA [deg]
dec_targ	-59.379139	Observer's specified target Dec [deg]
ra_nom	160.63910409382	Nominal RA [deg]
dec_nom	-59.387063523002	Nominal Dec [deg]
roll_nom	241.92676820659	Nominal Roll [deg]
revision	2	Processing version of data
ontime	28543.174472988	Sum of GTIs [s]
livetime	28181.743611174	Livetime [s]
ontime0	28543.051352978	Sum of GTIs [s]
ontime1	28539.851412594	Sum of GTIs [s]
ontime2	28543.133432984	Sum of GTIs [s]
ontime3	28543.174472988	Sum of GTIs [s]
ontime6	28543.256552994	Sum of GTIs [s]
ontime7	28543.215512991	Sum of GTIs [s]
l2events	234863	Number of level 2 events



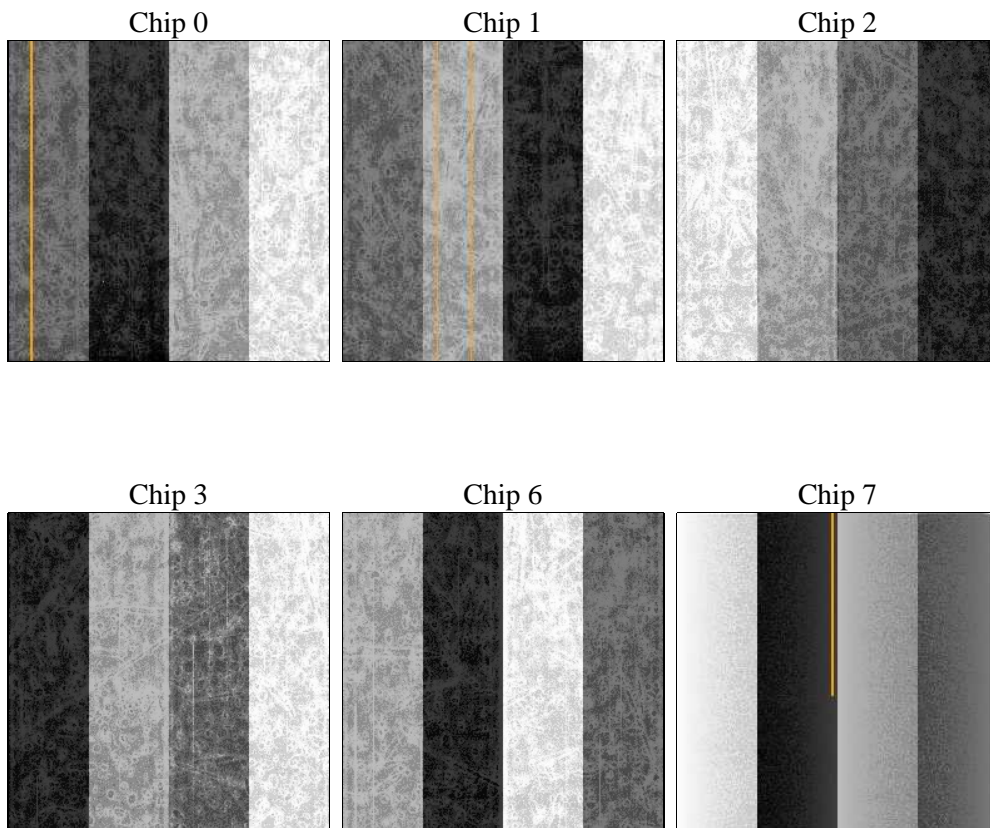
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	28543.174472988	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	28543.051352978	Sum of GTIs [s]
date	2012-05-17T02:59:07	Date and time of file creation	ontime1	28539.851412594	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	28543.133432984	Sum of GTIs [s]
			ontime3	28543.174472988	Sum of GTIs [s]
			ontime6	28543.256552994	Sum of GTIs [s]
			ontime7	28543.215512991	Sum of GTIs [s]
			l1events	1293102	Number of level 1 events

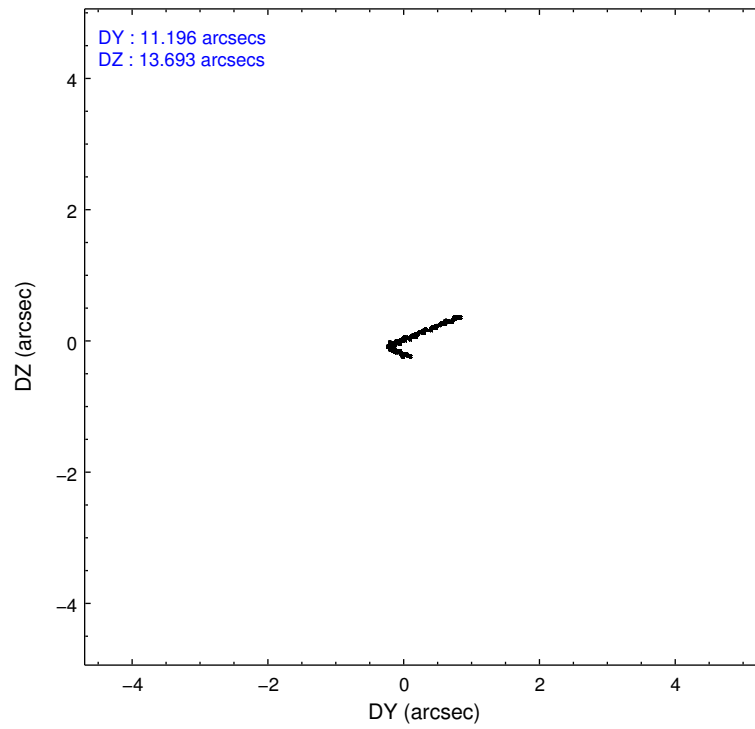
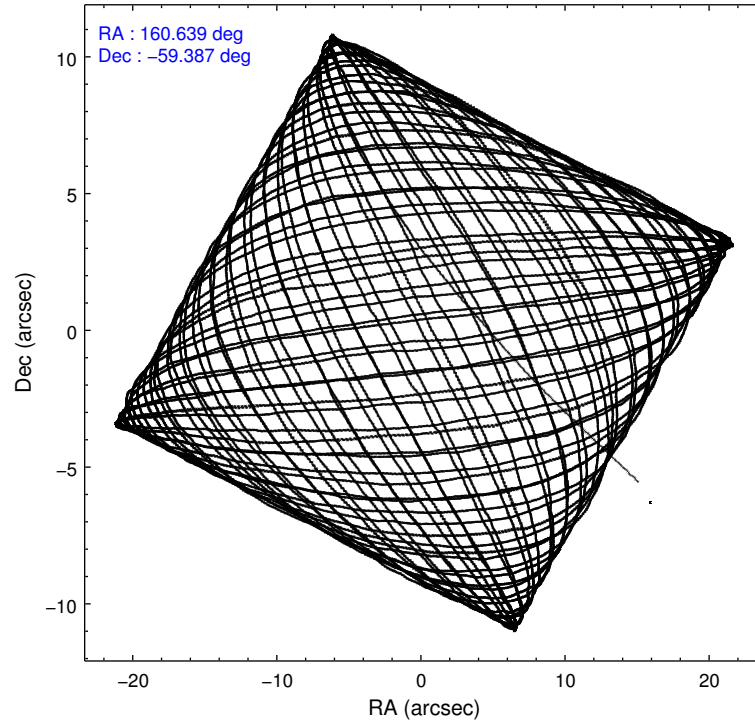
2.1.4 Events

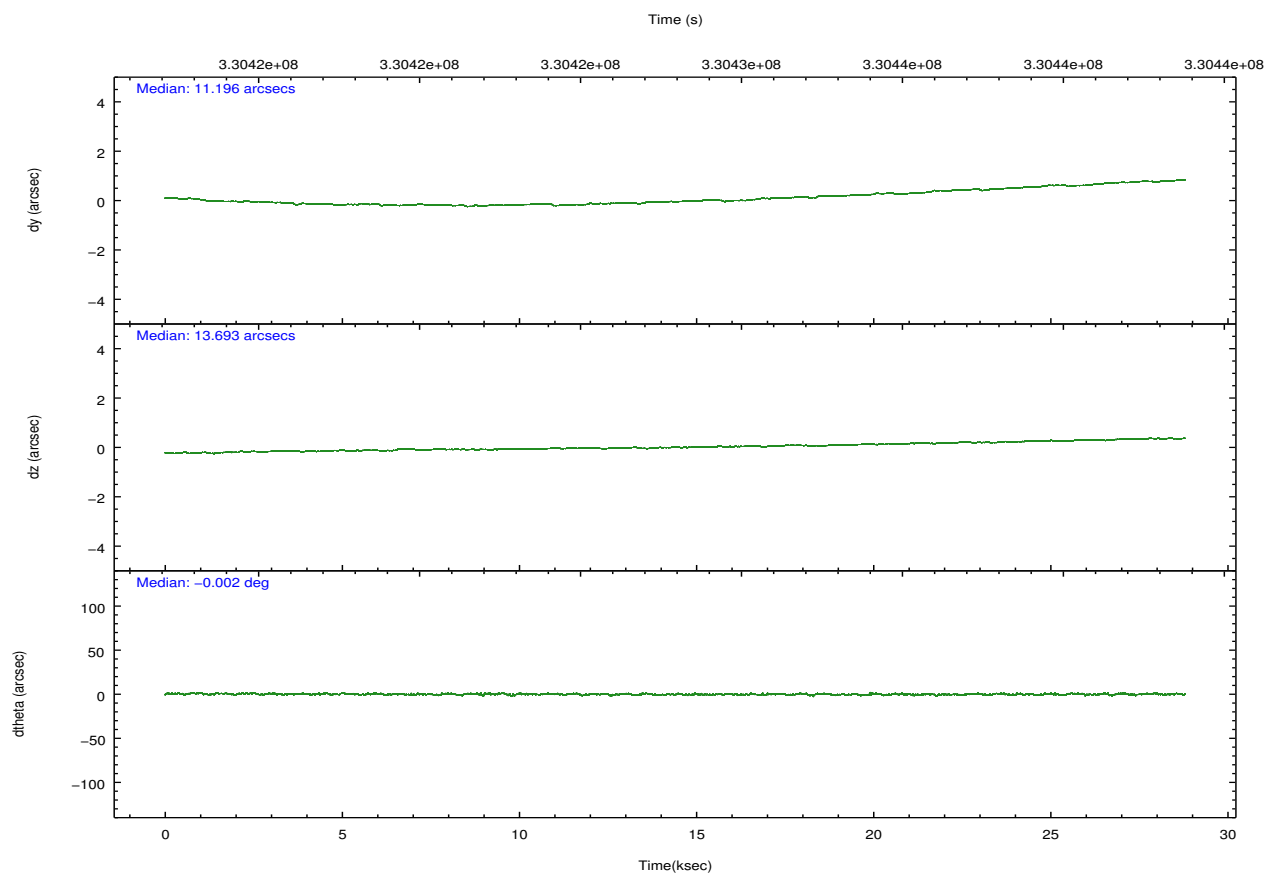
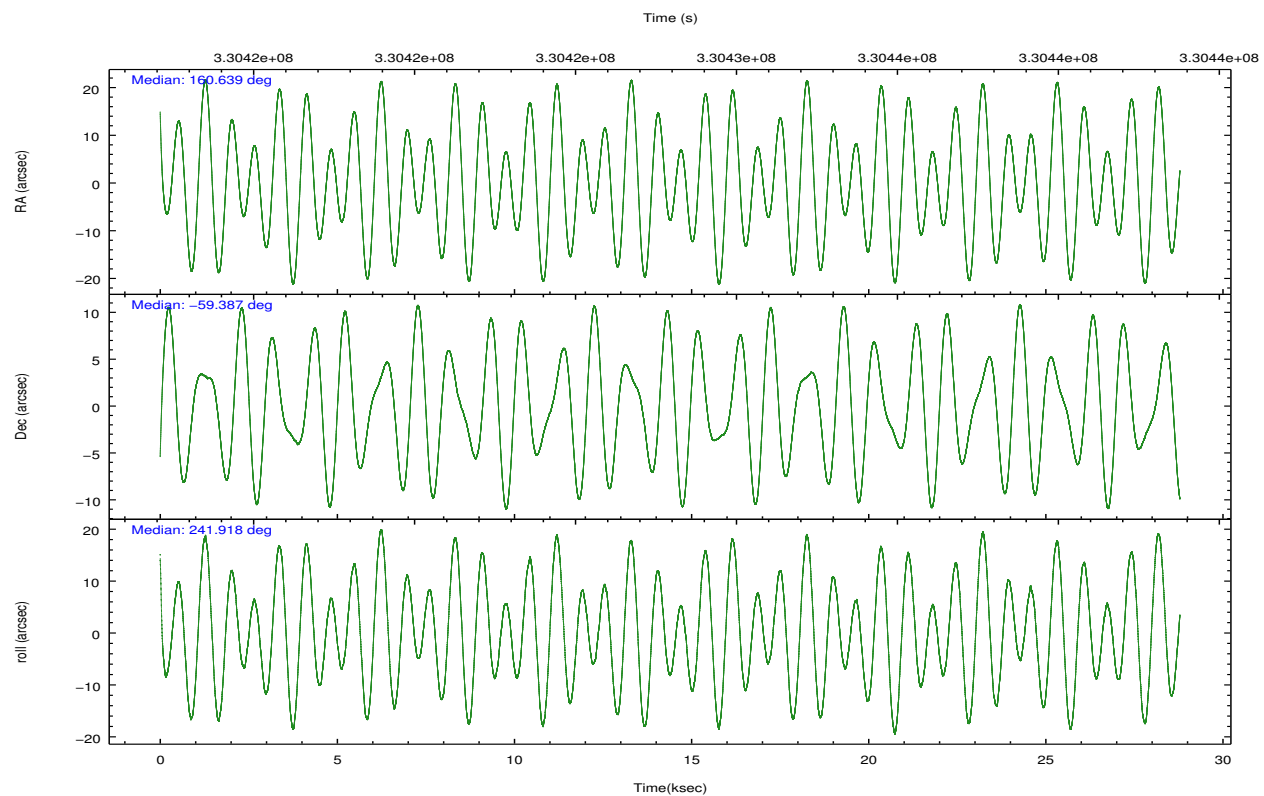
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	197045	197135	220975	208687	253885	215375	grade 0 events	8705	9157	9616	8963	37042	13607
rejected events	174658	173524	198490	186866	197669	103329		4%	4%	4%	4%	14%	6%
rejected %	88%	88%	89%	89%	77%	47%	grade 1 events	115	114	136	136	265	276
								0%	0%	0%	0%	0%	0%
							grade 2 events	5268	5107	5149	4631	7958	24578
								2%	2%	2%	2%	3%	11%
							grade 3 events	2360	2630	2099	2255	3077	10957
								1%	1%	0%	1%	1%	5%
							grade 4 events	2212	2398	2239	2209	3143	10722
								1%	1%	1%	1%	1%	4%
							grade 5 events	6268	7191	5825	7537	7674	21954
								3%	3%	2%	3%	3%	10%
							grade 6 events	3844	4322	3384	3767	5001	52193
								1%	2%	1%	1%	1%	24%
							grade 7 events	168273	166216	192527	179189	189725	81088
								85%	84%	87%	85%	74%	37%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	160.637091	160.6391040938199	CCD I2 on	Y	Y
[deg] Pointing Dec	-59.359610	-59.38706352300188	CCD I3 on	Y	Y
[deg] Pointing Roll	241.716350	241.9267682065867	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	330413820.184000	330412761.20177	CCD S5 on	N	N
Observation start date	2008-06-21T05:35:55	2008-06-21T05:19:21	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	330442320.184000	330443042.77825	On-chip summing requested	N	N
Observation end date	2008-06-21T13:30:55	2008-06-21T13:44:02	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



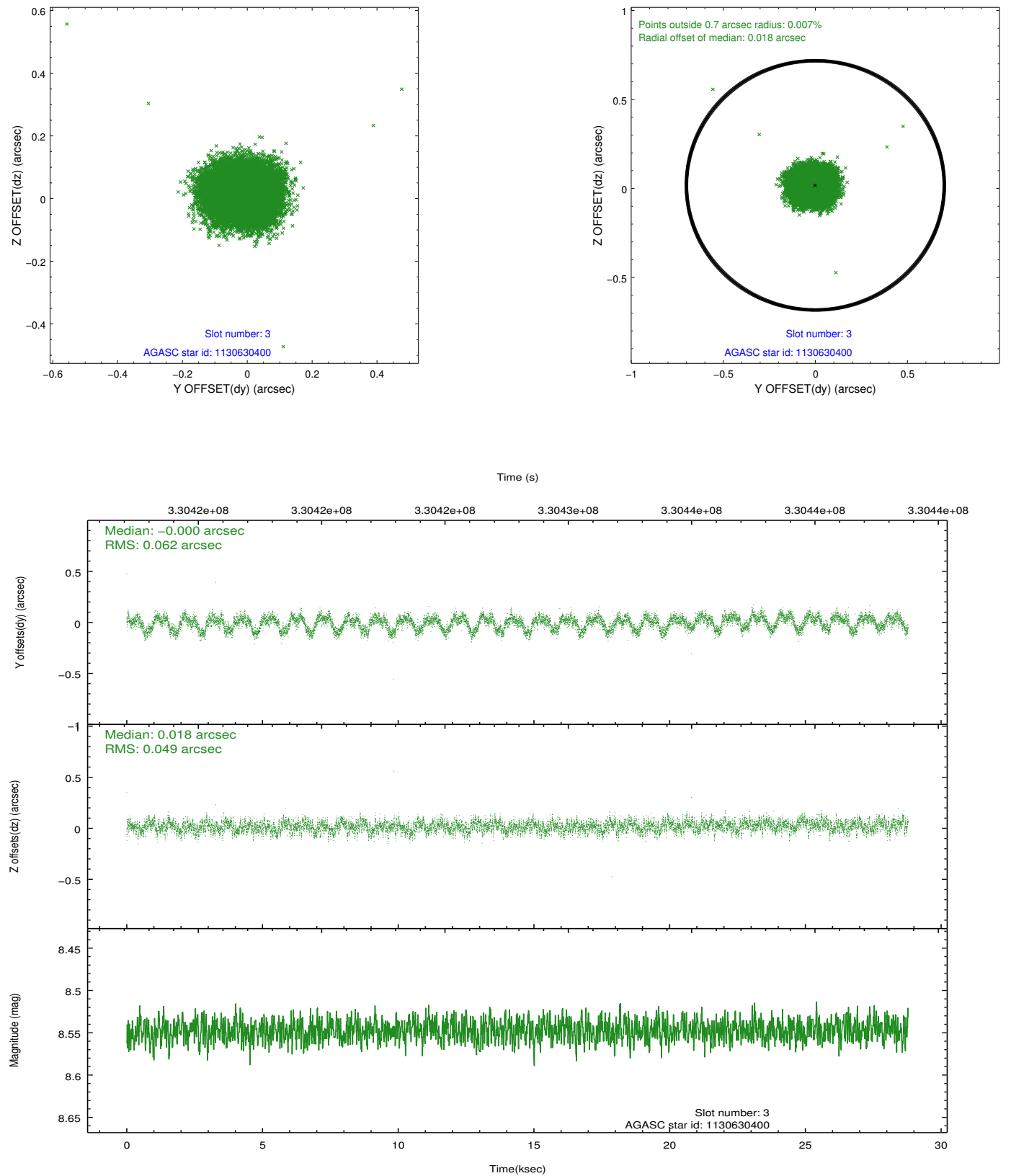


Slot Statistics

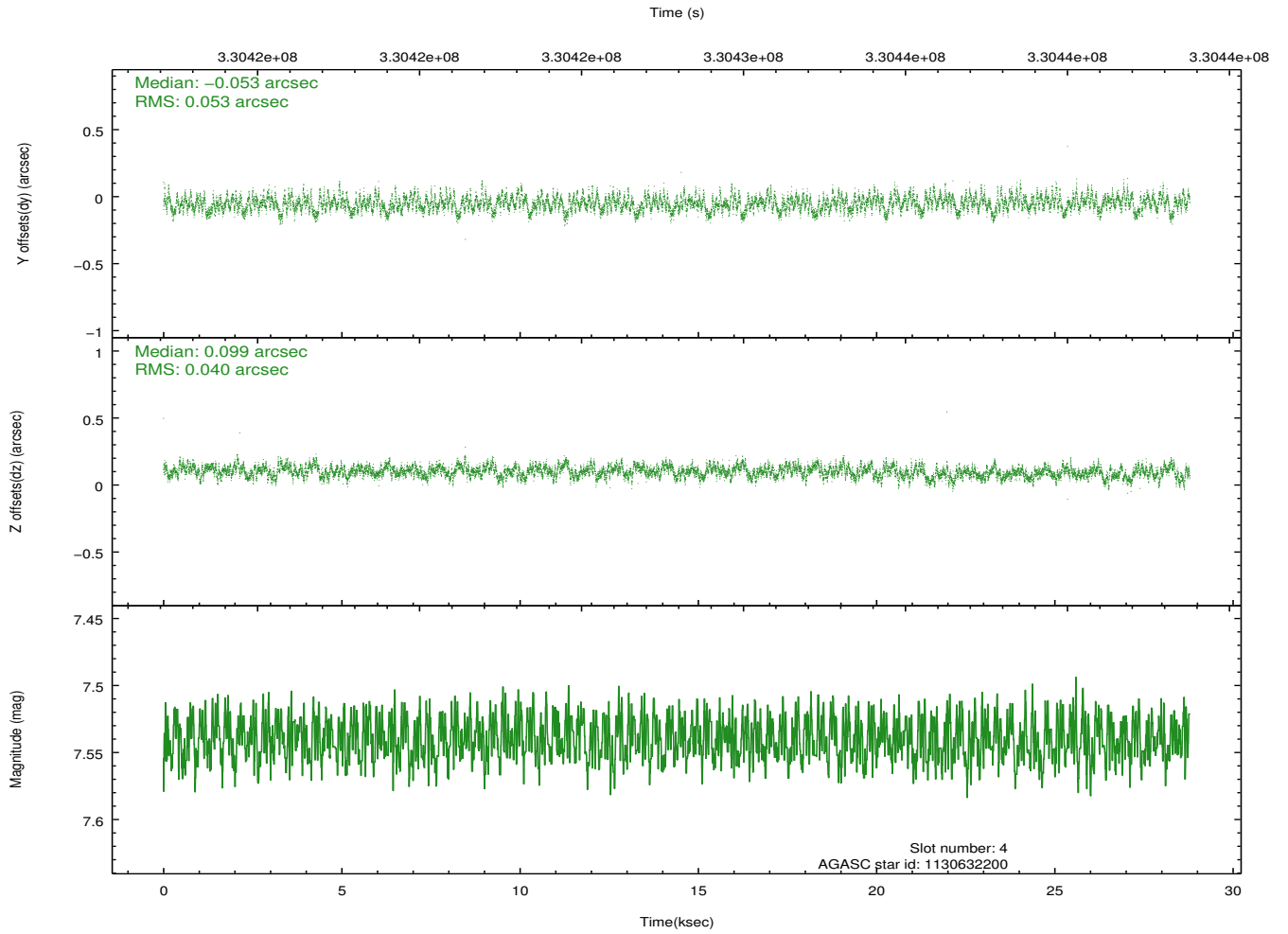
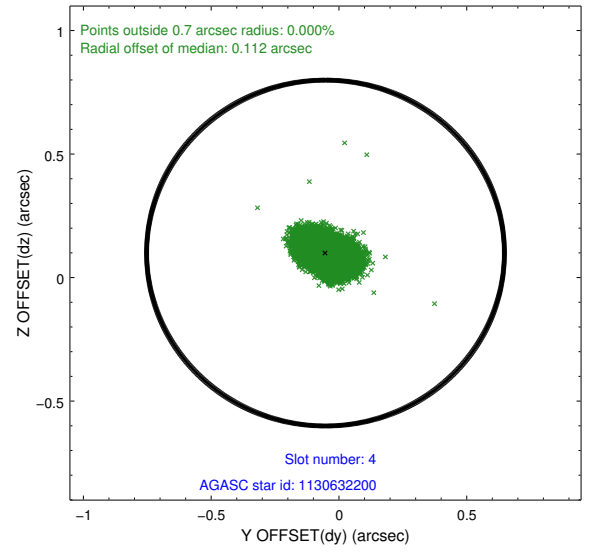
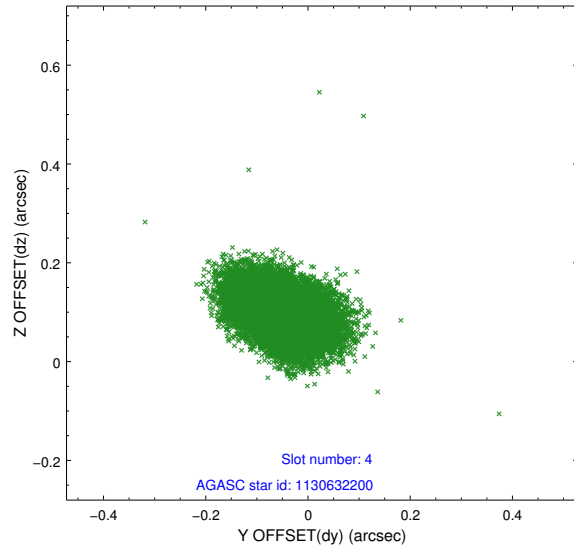
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	7022	-0.017	0.027	0.016	0.029	0.000000	0.000000	928.23	-837.26
1	FID	ACIS-I-4	6.96	7022	0.128	0.013	0.010	0.017	0.000000	0.000000	2148.45	1062.50
2	FID	ACIS-I-5	7.00	7021	-0.207	0.031	0.015	0.027	0.000000	0.000000	-1819.86	1060.44
3	GUIDE	1130630400	8.55	14028	-0.000	0.018	0.086	0.132	160.235909	-58.888840	-1136.35	-1459.34
4	GUIDE	1130632200	7.54	14044	-0.053	0.099	0.070	0.116	161.433843	-59.407820	-531.17	1371.87
5	GUIDE	1128940480	8.21	14039	-0.093	-0.016	0.060	0.097	159.093463	-59.608931	2151.68	-2034.25
6	GUIDE	1128936264	8.77	14027	0.150	-0.146	0.083	0.132	159.160090	-59.355205	1297.67	-2379.75
7	GUIDE	1174033144	8.57	14040	0.007	0.045	0.077	0.122	161.168741	-60.059230	1768.84	2036.78

2.4 Star Slots

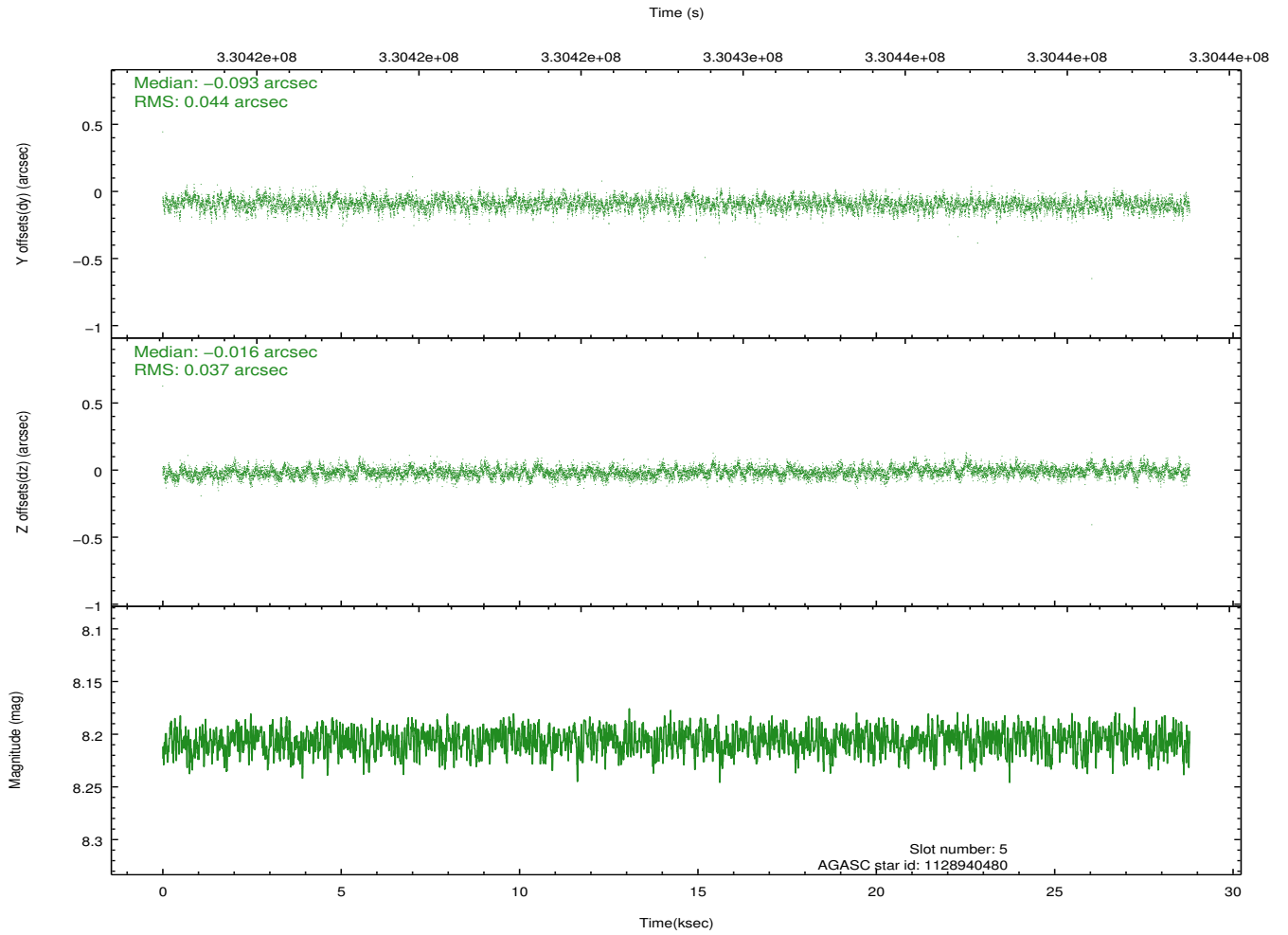
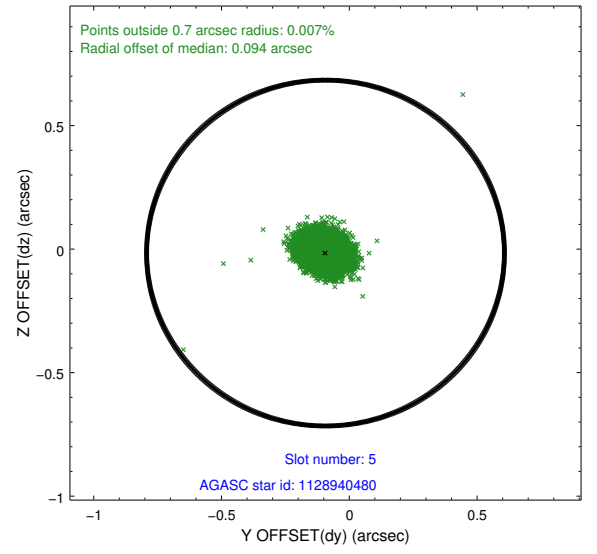
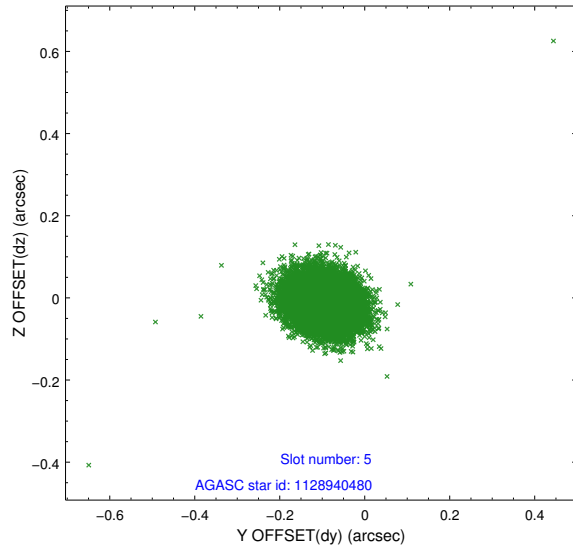
2.4.1 Slot 3



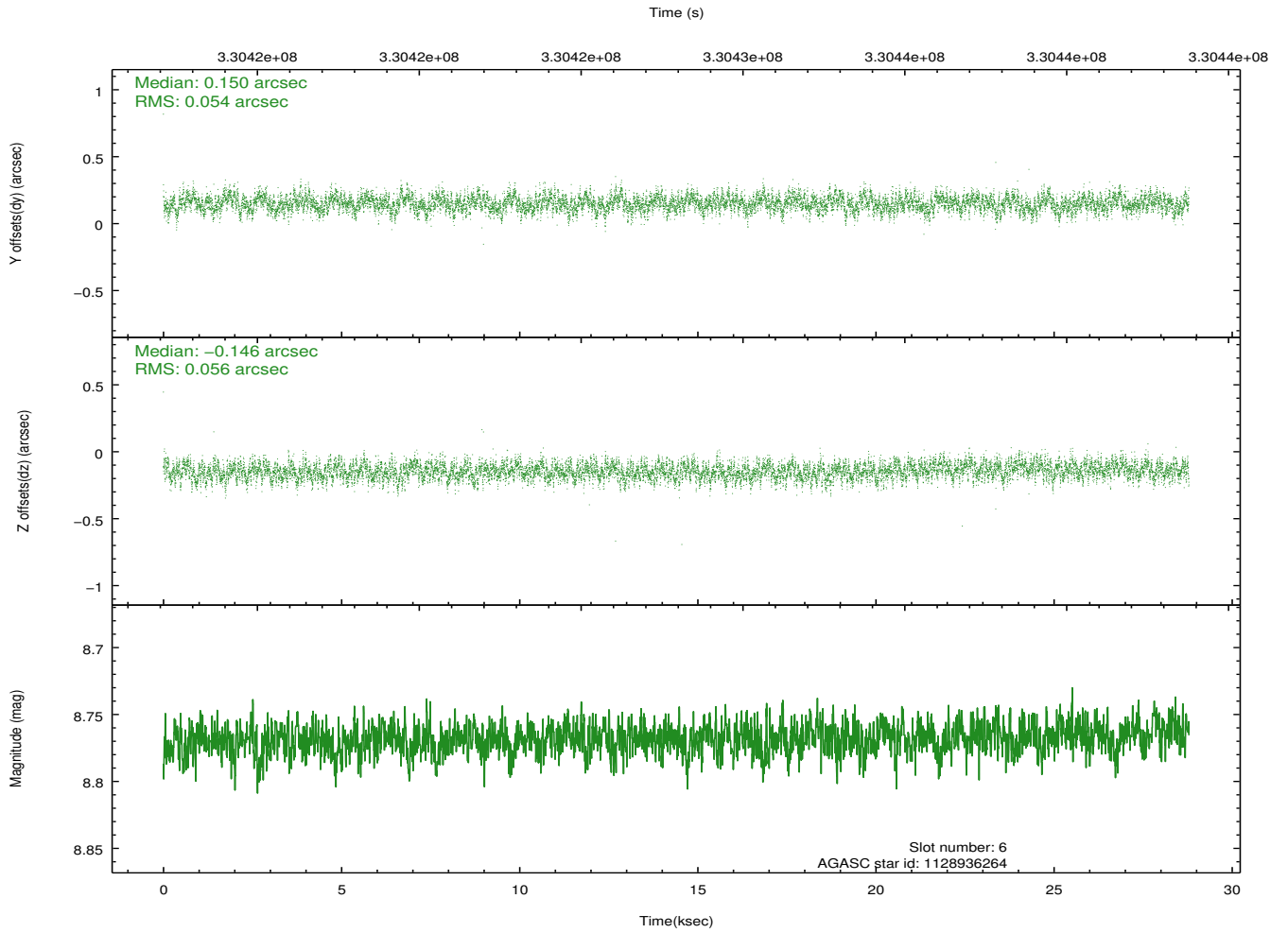
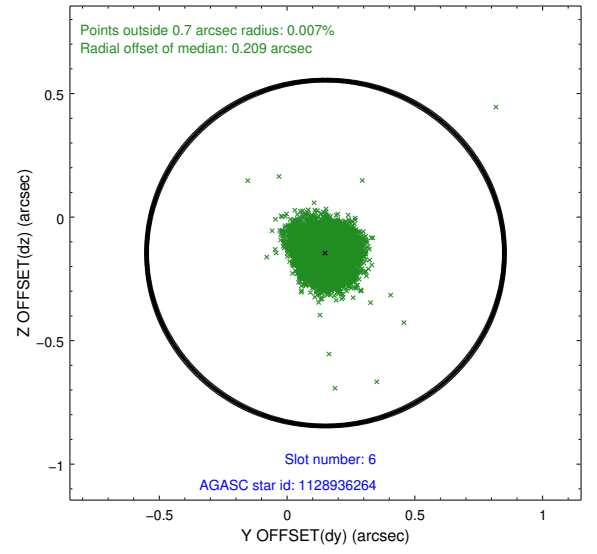
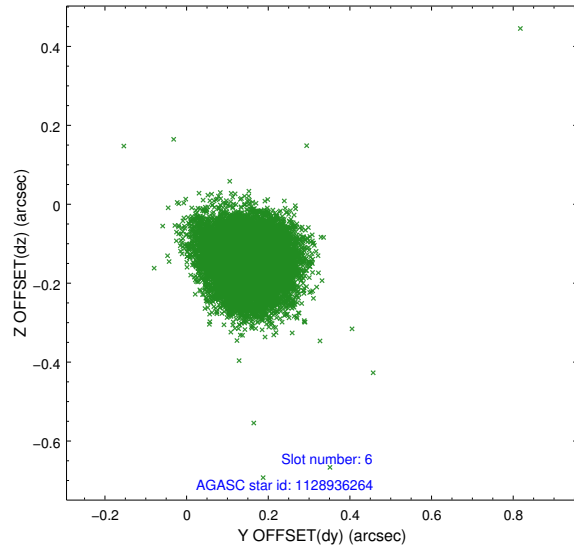
2.4.2 Slot 4



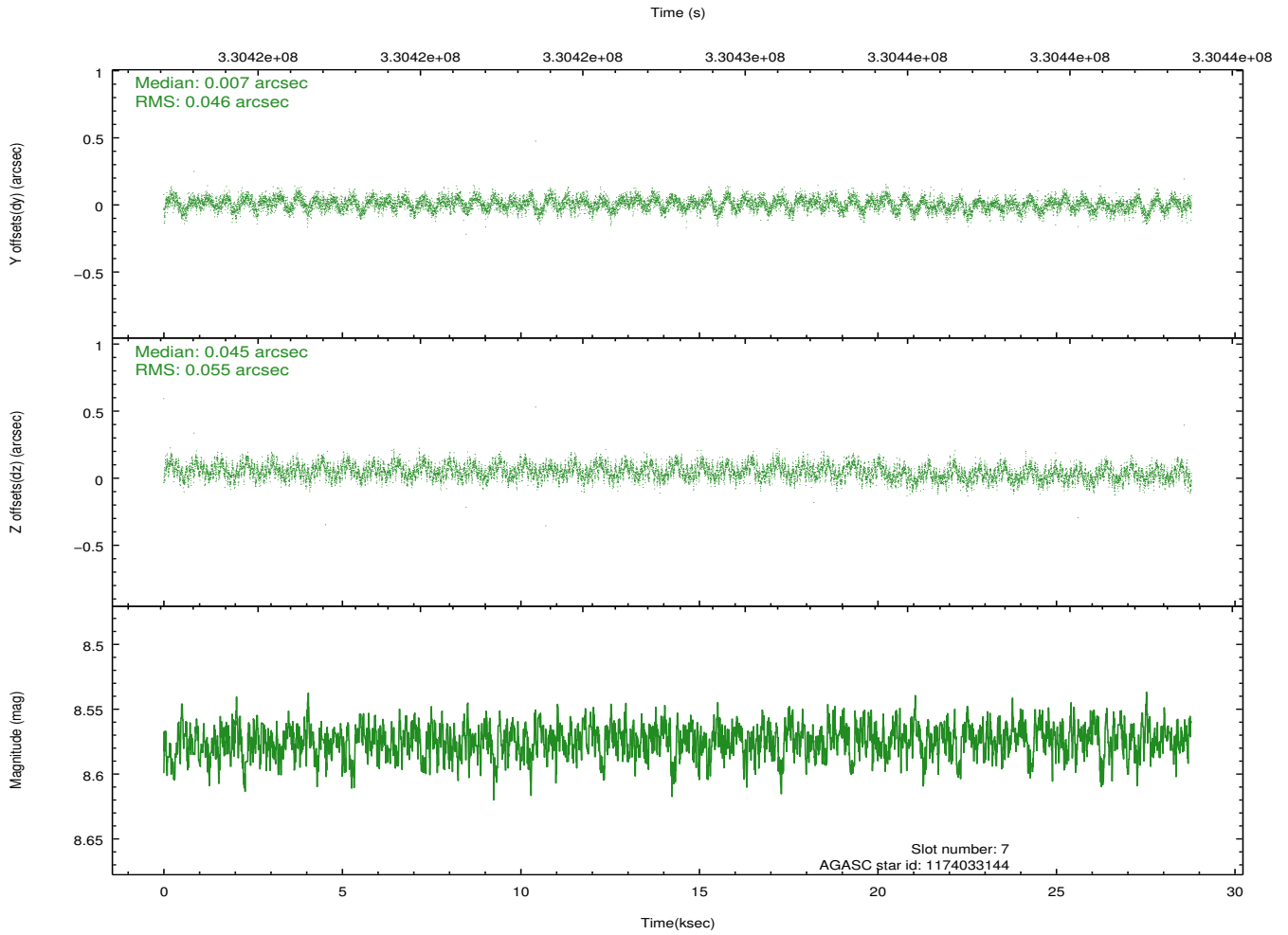
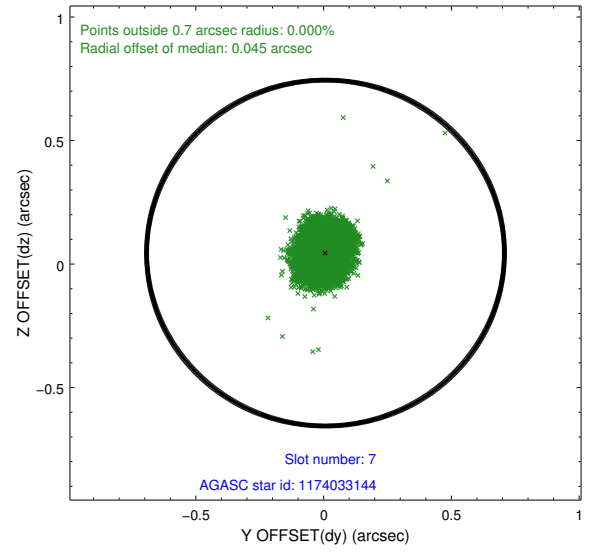
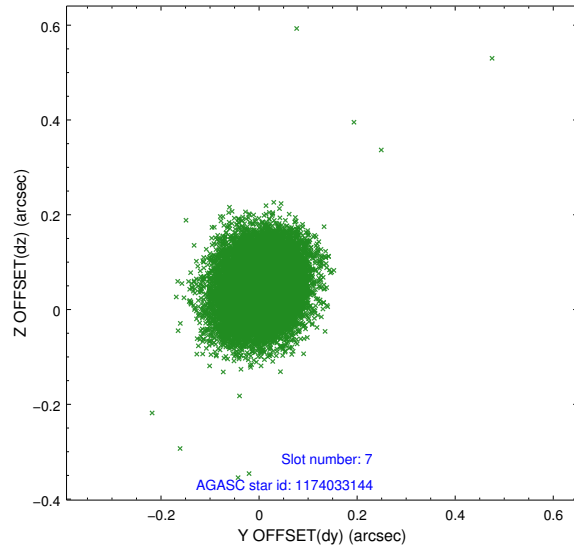
2.4.3 Slot 5



2.4.4 Slot 6

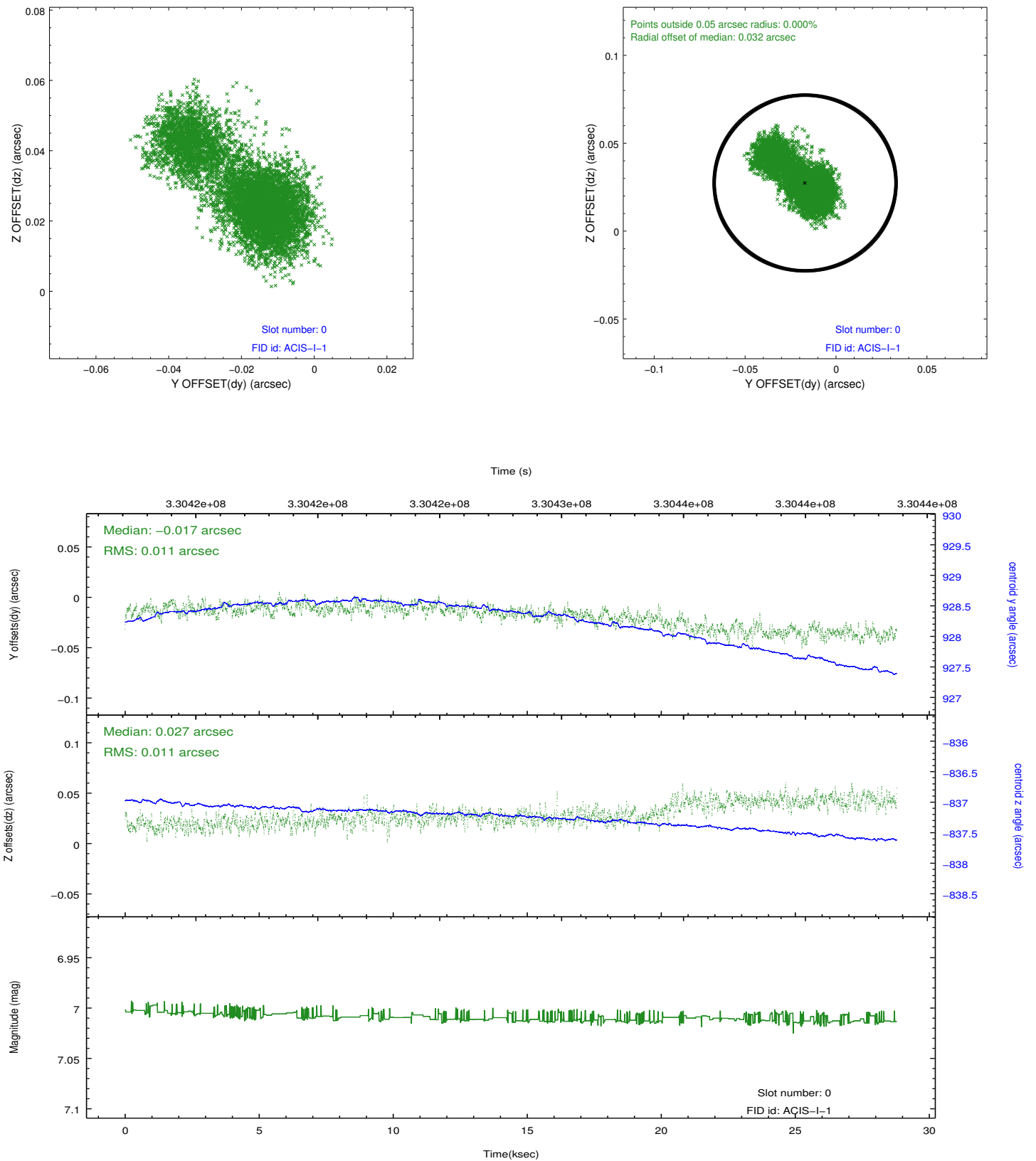


2.4.5 Slot 7

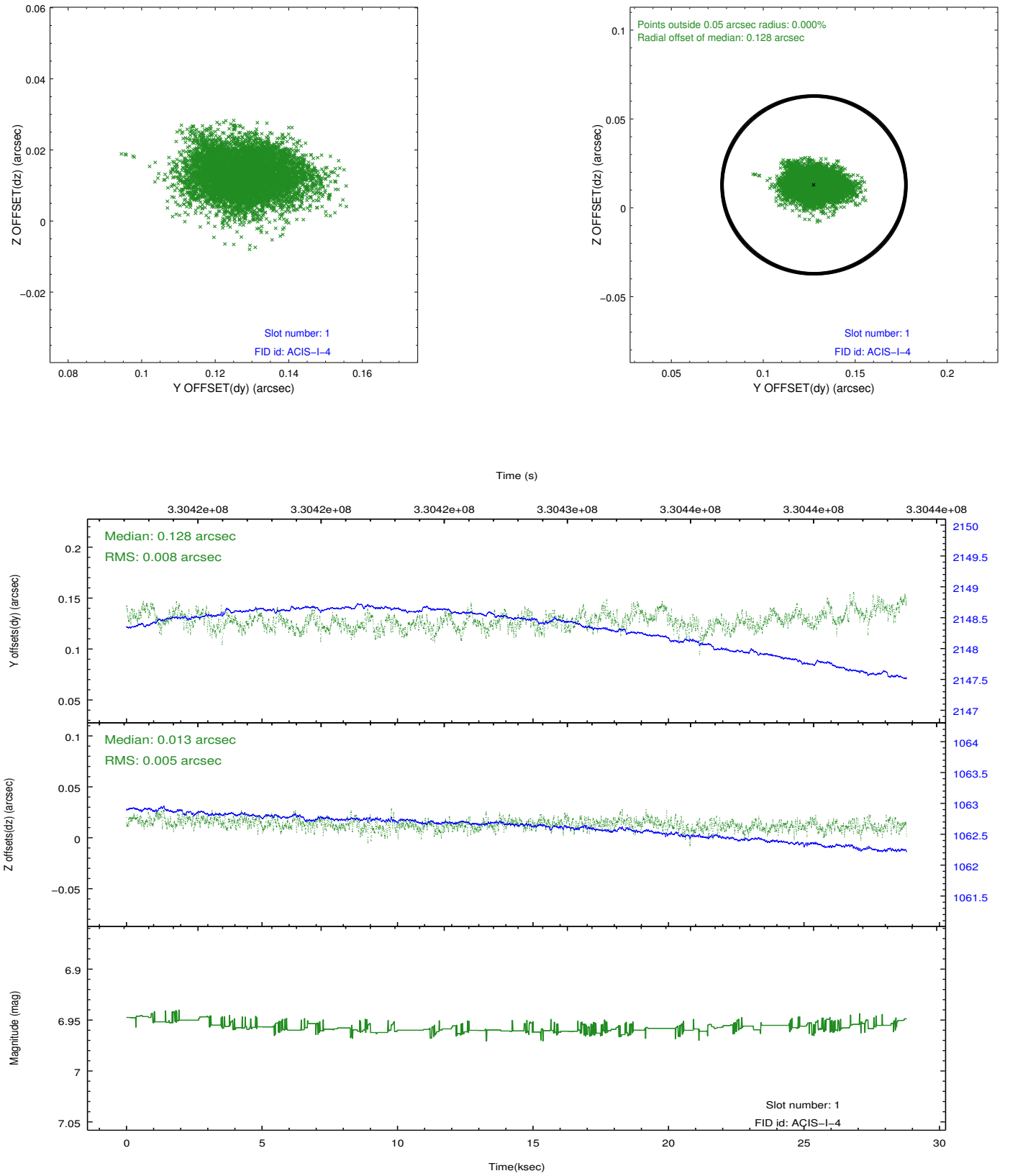


2.5 FID Slots

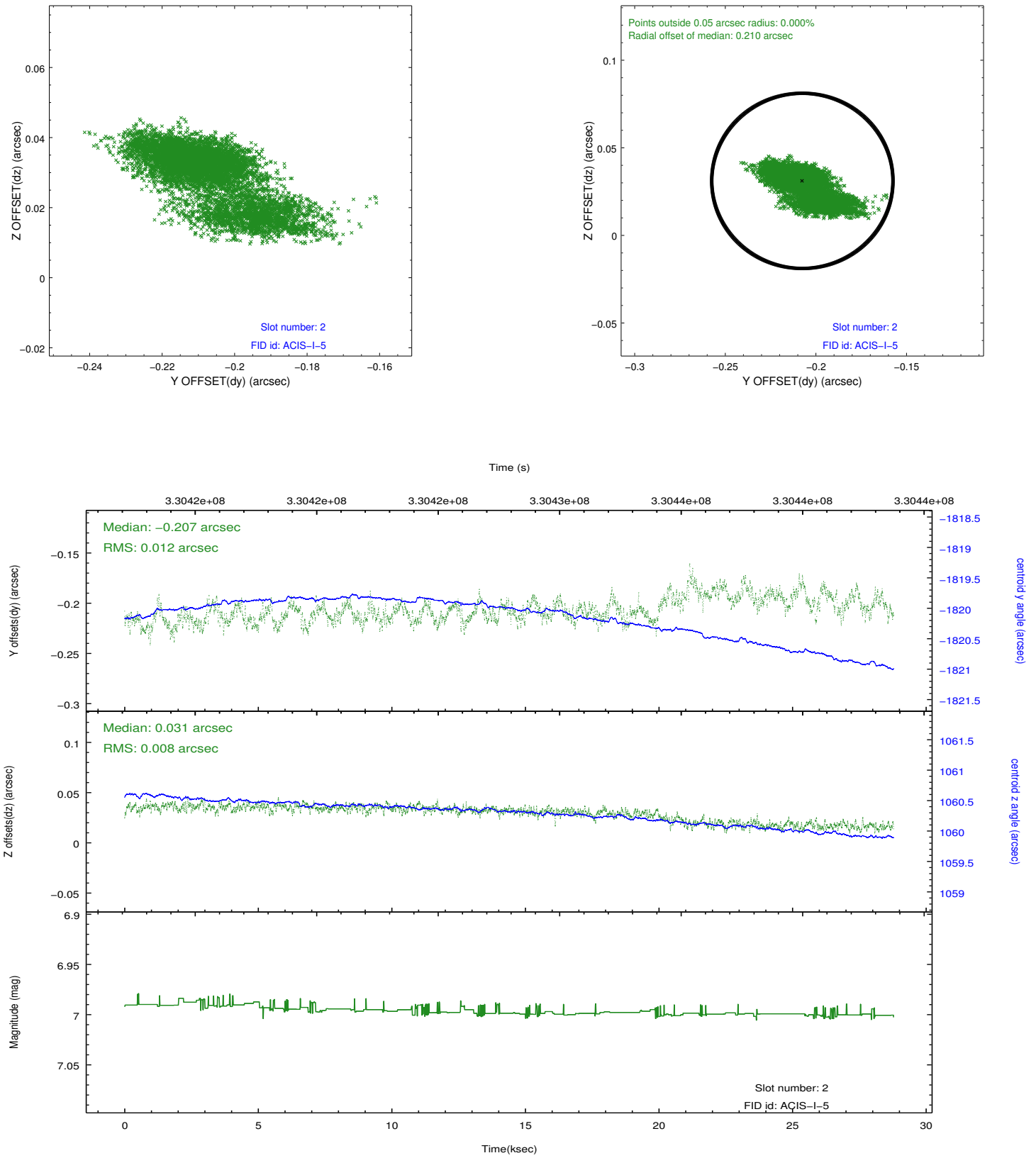
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.5439998

A.2 Comments