

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10688 - L2 Version 2
Chandra X-Ray Center

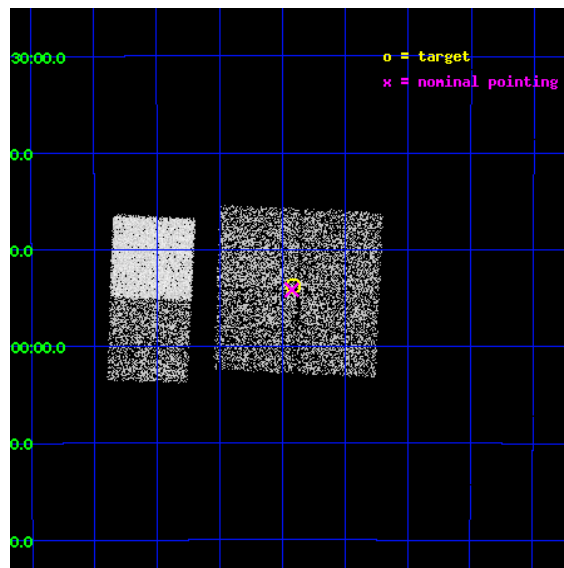
L2 Processing Date : Jun 11 2012

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1 Front

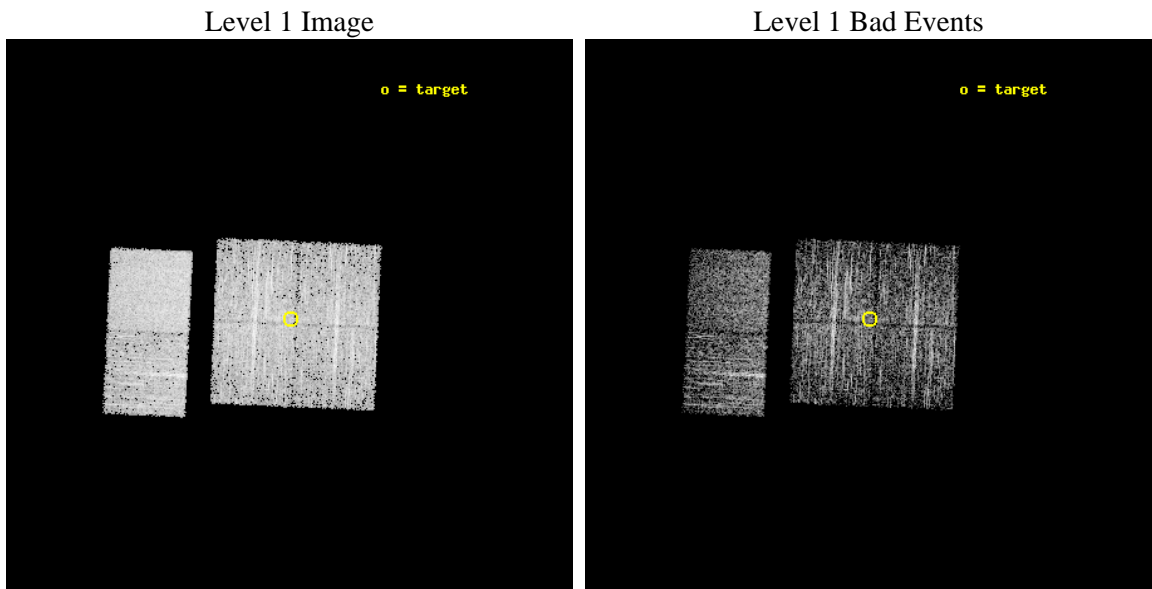
seq_num	401055	Sequence number
obs_id	10688	Observation id
title	Chandra follow-up of weak persistent sources	Proposal title
observer	Dr Jelle Kaastra	Principal investigator
object	IGR J17314-2854	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	262.852917	Observer's specified target RA [deg]
dec_targ	-28.895	Observer's specified target Dec [deg]
ra_nom	262.85618112007	Nominal RA [deg]
dec_nom	-28.902757119092	Nominal Dec [deg]
roll_nom	272.61759720125	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2175.9999919534	Sum of GTIs [s]
livetime	2148.4461698254	Livetime [s]
ontime0	2175.9999919534	Sum of GTIs [s]
ontime1	2175.9999919534	Sum of GTIs [s]
ontime2	2175.9999919534	Sum of GTIs [s]
ontime3	2175.9999919534	Sum of GTIs [s]
ontime6	2175.9999919534	Sum of GTIs [s]
ontime7	2175.9999919534	Sum of GTIs [s]
l2events	26667	Number of level 2 events



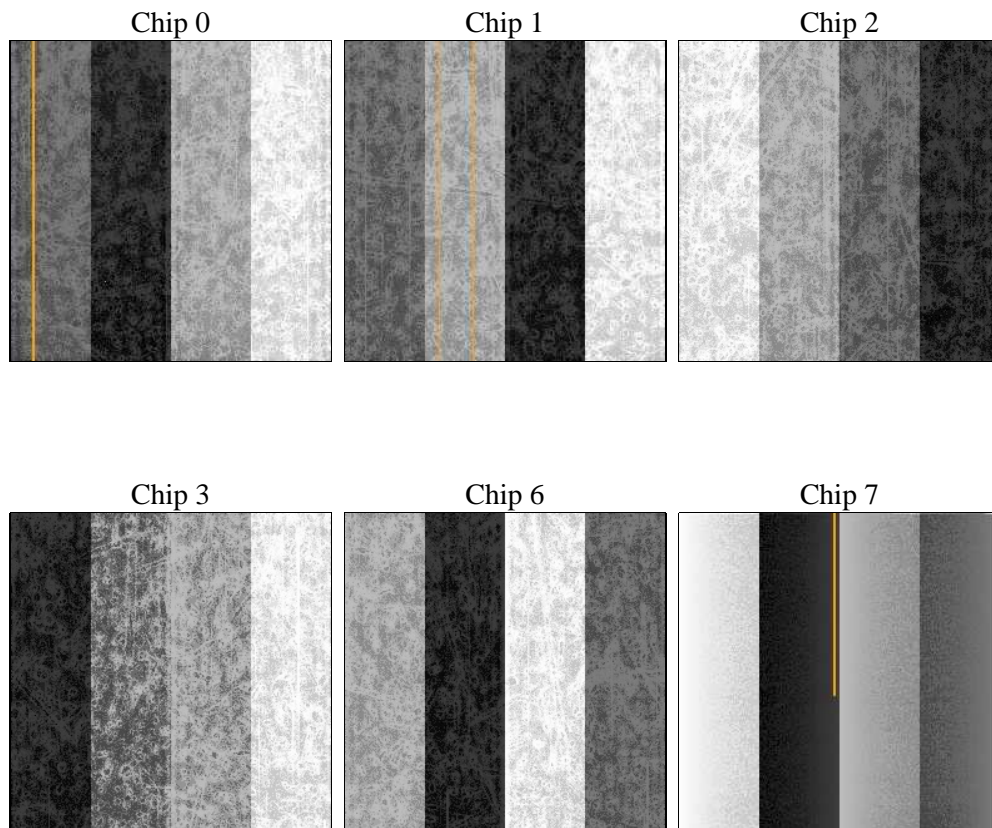
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2175.9999919534	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	2175.9999919534	Sum of GTIs [s]
date	2012-06-11T13:41:02	Date and time of file creation	ontime1	2175.9999919534	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2175.9999919534	Sum of GTIs [s]
			ontime3	2175.9999919534	Sum of GTIs [s]
			ontime6	2175.9999919534	Sum of GTIs [s]
			ontime7	2175.9999919534	Sum of GTIs [s]
			l1events	192352	Number of level 1 events

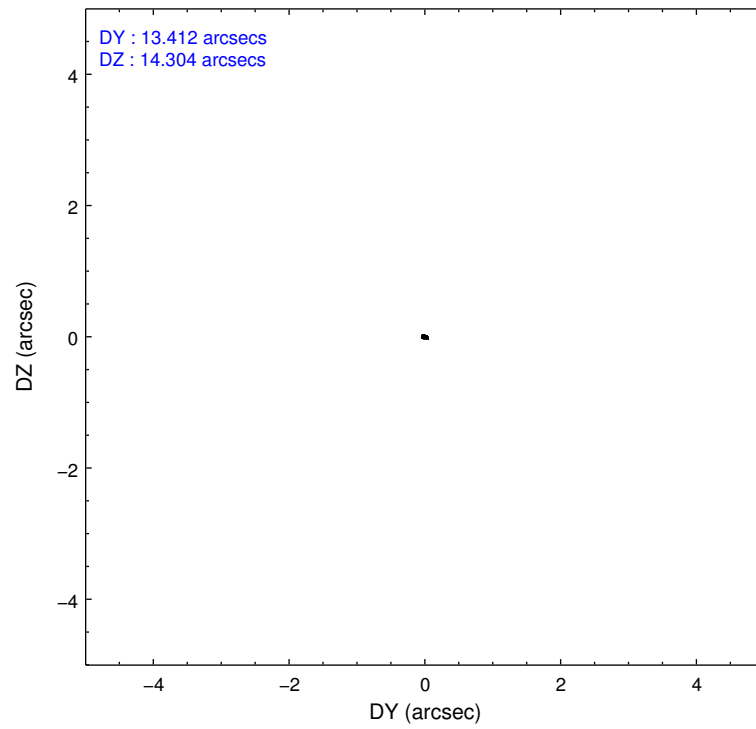
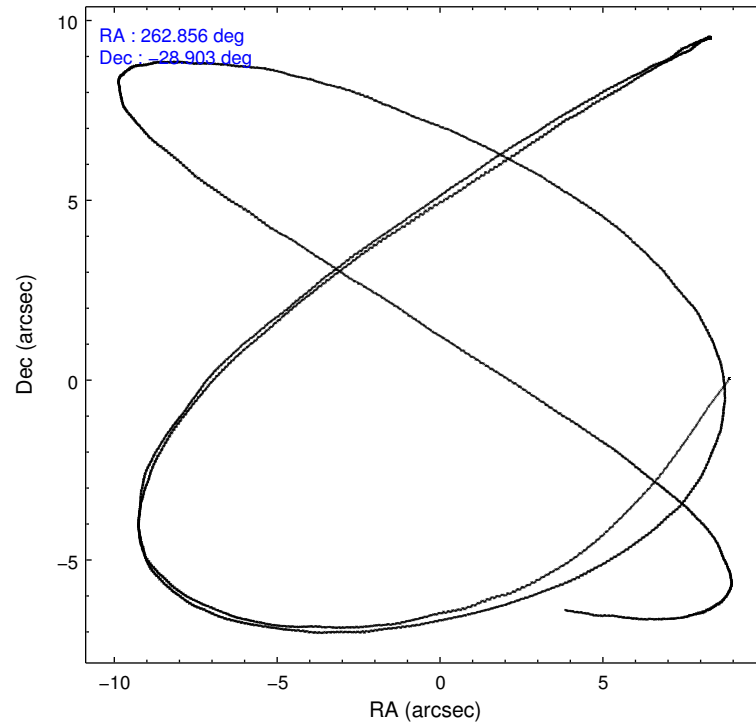
2.1.4 Events

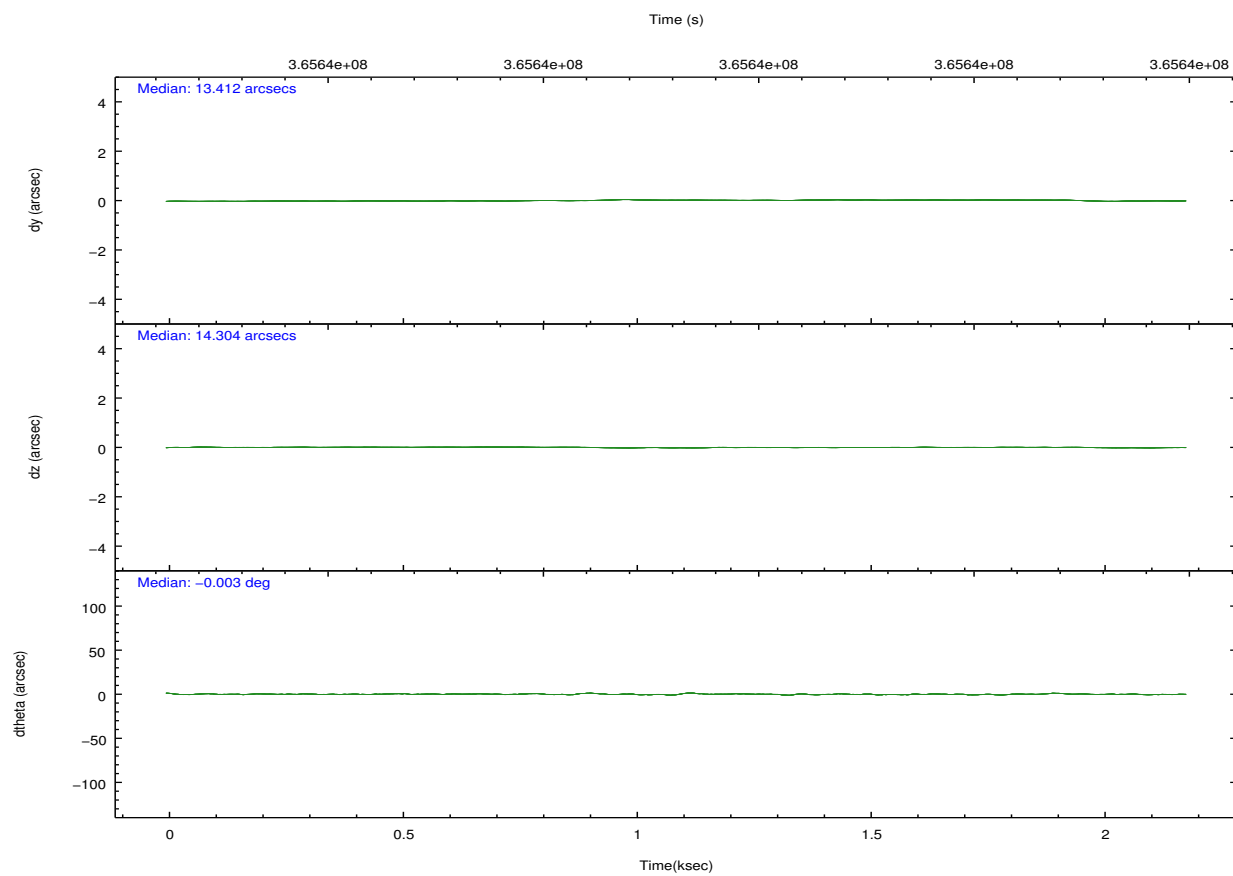
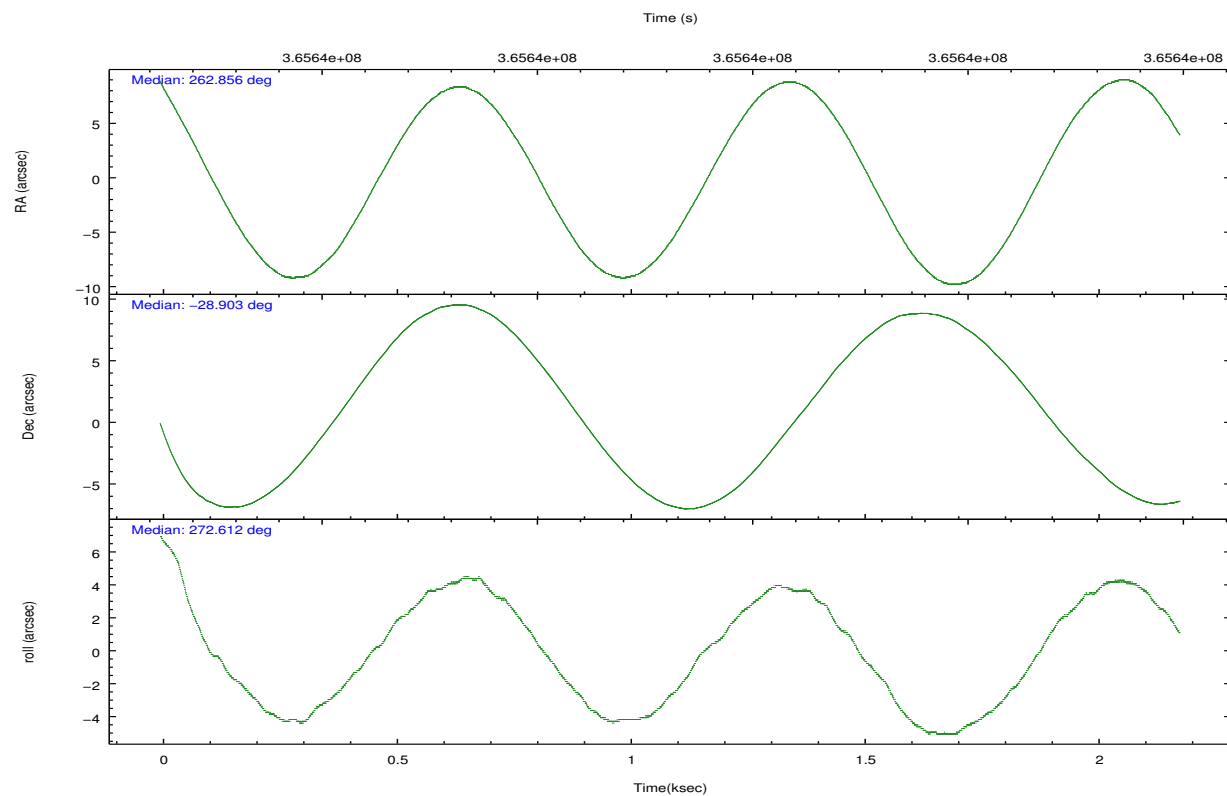
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	27331	28957	30004	31415	31498	43147	grade 0 events	1793	1598	1622	1934	1637	1531
rejected events	24369	25794	27162	28236	28372	29410		6%	5%	5%	6%	5%	3%
rejected %	89%	89%	90%	89%	90%	68%	grade 1 events	15	17	23	20	15	57
								0%	0%	0%	0%	0%	0%
							grade 2 events	886	1007	786	795	925	3786
								3%	3%	2%	2%	2%	8%
							grade 3 events	326	379	325	375	365	1442
								1%	1%	1%	1%	1%	3%
							grade 4 events	341	370	325	342	349	1484
								1%	1%	1%	1%	1%	3%
							grade 5 events	1242	1323	1207	1500	1477	4001
								4%	4%	4%	4%	4%	9%
							grade 6 events	695	742	631	665	784	9693
								2%	2%	2%	2%	2%	22%
							grade 7 events	22033	23521	25085	25784	25946	21153
								80%	81%	83%	82%	82%	49%

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	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	262.839022	262.856181120074	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.879498	-28.90275711909193	CCD I3 on	Y	Y
[deg] Pointing Roll	272.400604	272.6175972012538	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	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	365642893.184000	365641488.43019	CCD S5 on	N	N
Observation start date	2009-08-02T23:27:07	2009-08-02T23:04:48	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	365644893.184000	365645084.64287	On-chip summing requested	N	N
Observation end date	2009-08-03T00:00:27	2009-08-03T00:04:44	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



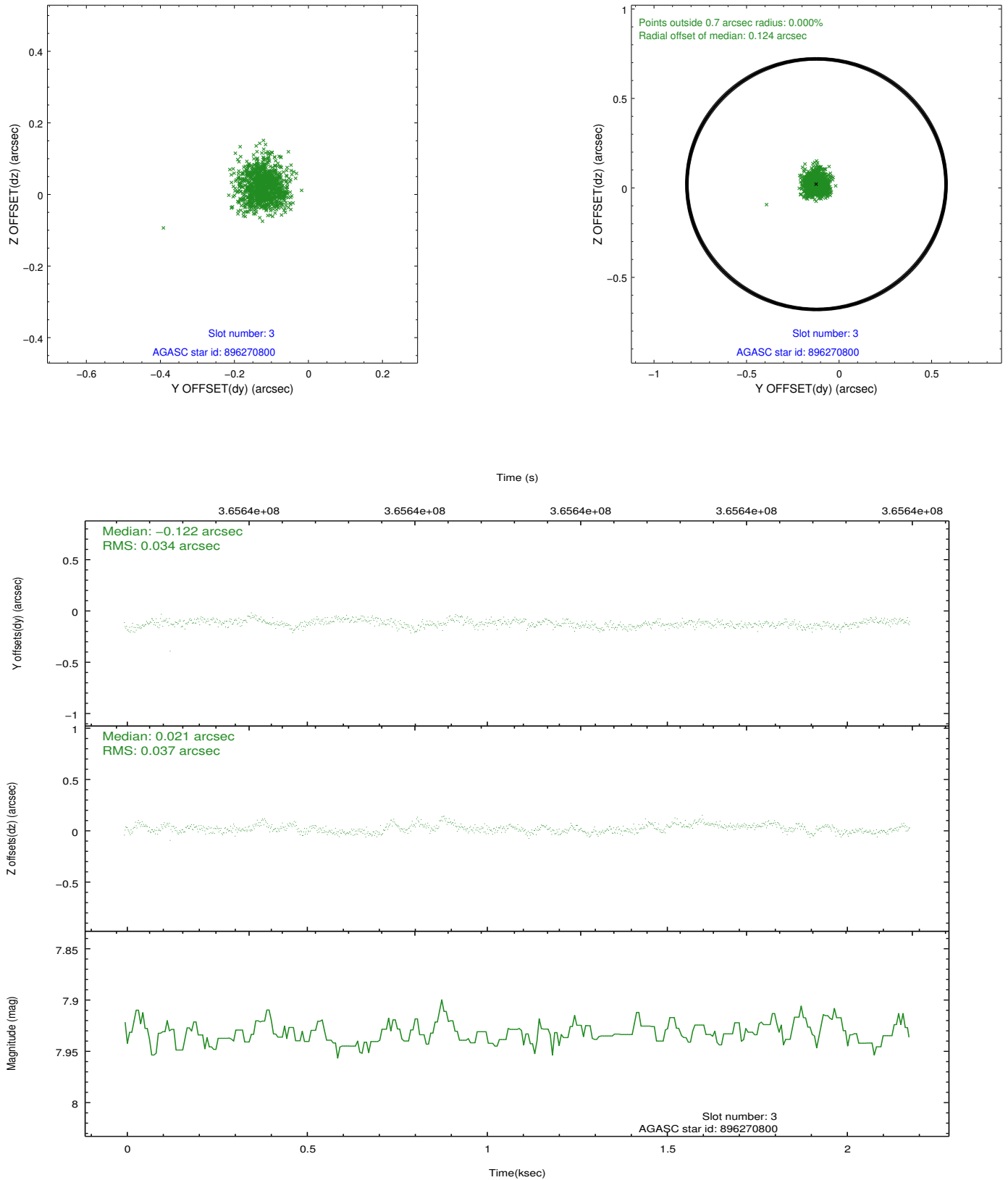


Slot Statistics

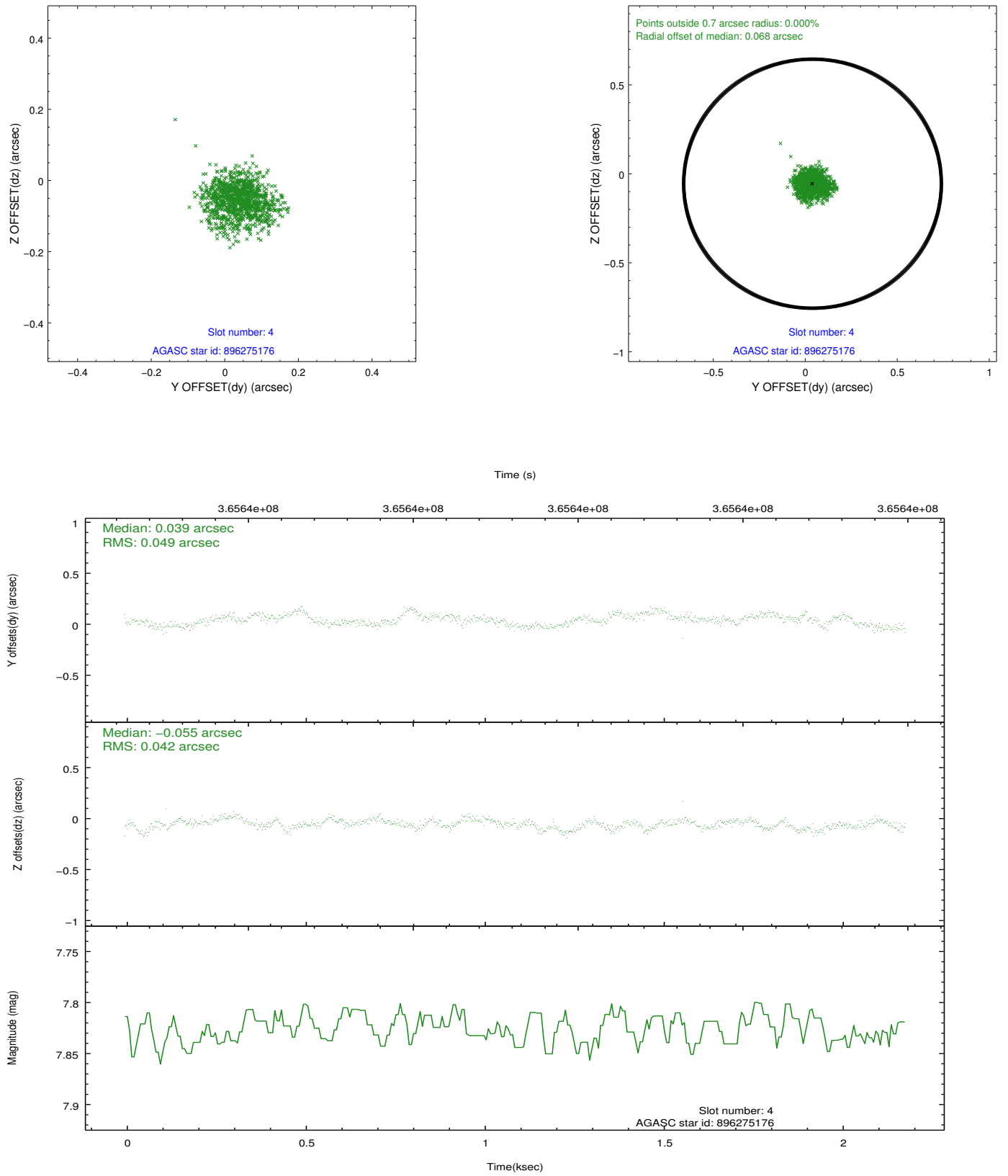
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	532	0.030	0.013	0.005	0.009	0.000000	0.000000	926.14	-837.86
1	FID	ACIS-I-5	7.07	532	-0.208	0.040	0.006	0.010	0.000000	0.000000	-1820.59	1058.12
2	FID	ACIS-I-6	7.07	532	0.086	0.017	0.006	0.010	0.000000	0.000000	388.44	1706.02
3	GUIDE	896270800	7.93	1064	-0.122	0.021	0.054	0.087	262.506538	-28.283469	-2186.90	-963.88
4	GUIDE	896275176	7.83	1065	0.039	-0.055	0.071	0.109	262.150337	-29.127139	804.20	-2202.68
5	GUIDE	896275456	8.51	1065	0.150	-0.029	0.088	0.129	263.022674	-28.835237	-133.98	582.87
6	GUIDE	896278088	7.60	1064	-0.153	0.025	0.073	0.117	263.476198	-29.223388	1325.41	1948.43
7	GUIDE	896278192	8.70	1064	0.090	0.045	0.079	0.121	263.596121	-29.333327	1740.35	2307.03

2.4 Star Slots

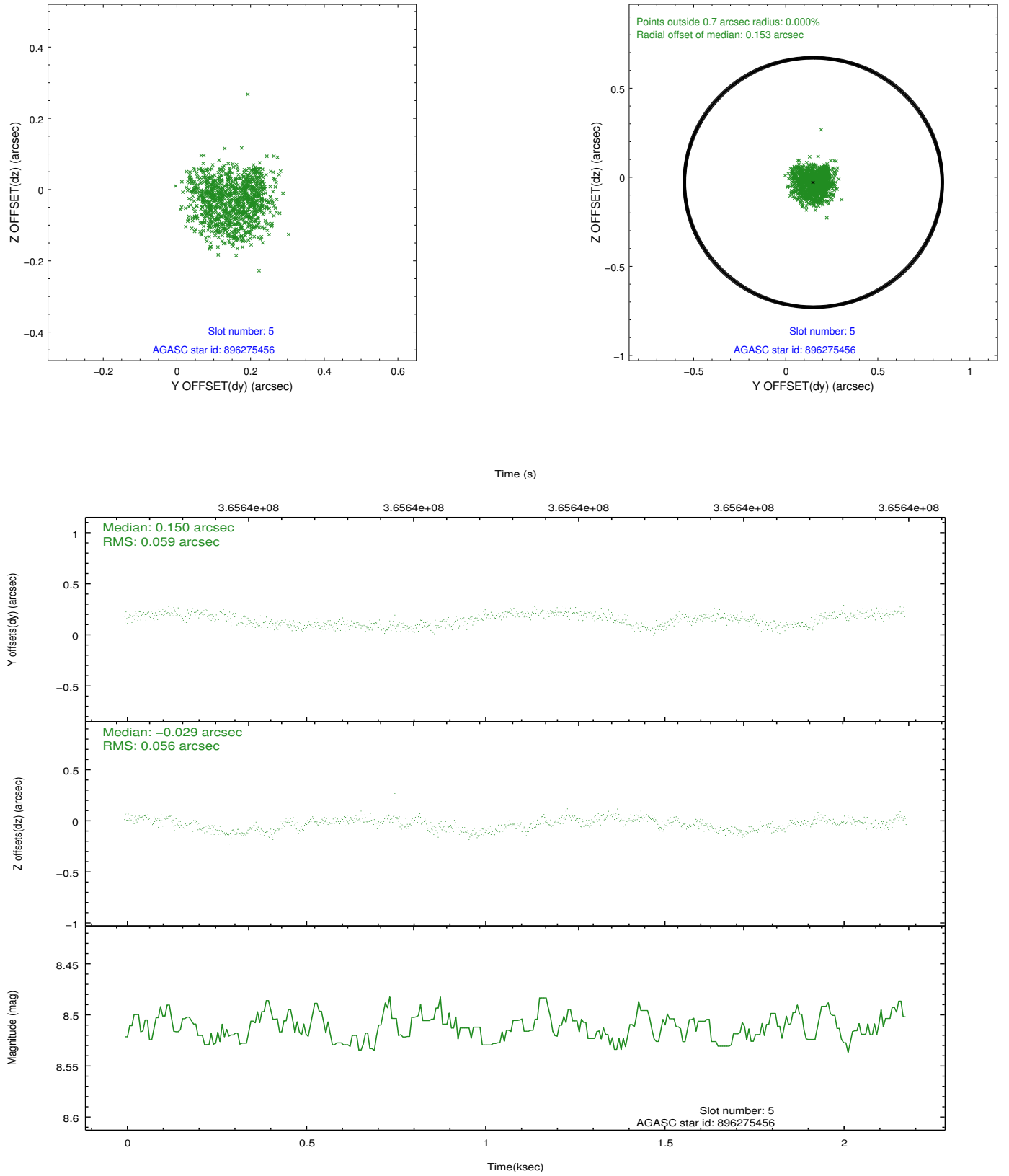
2.4.1 Slot 3



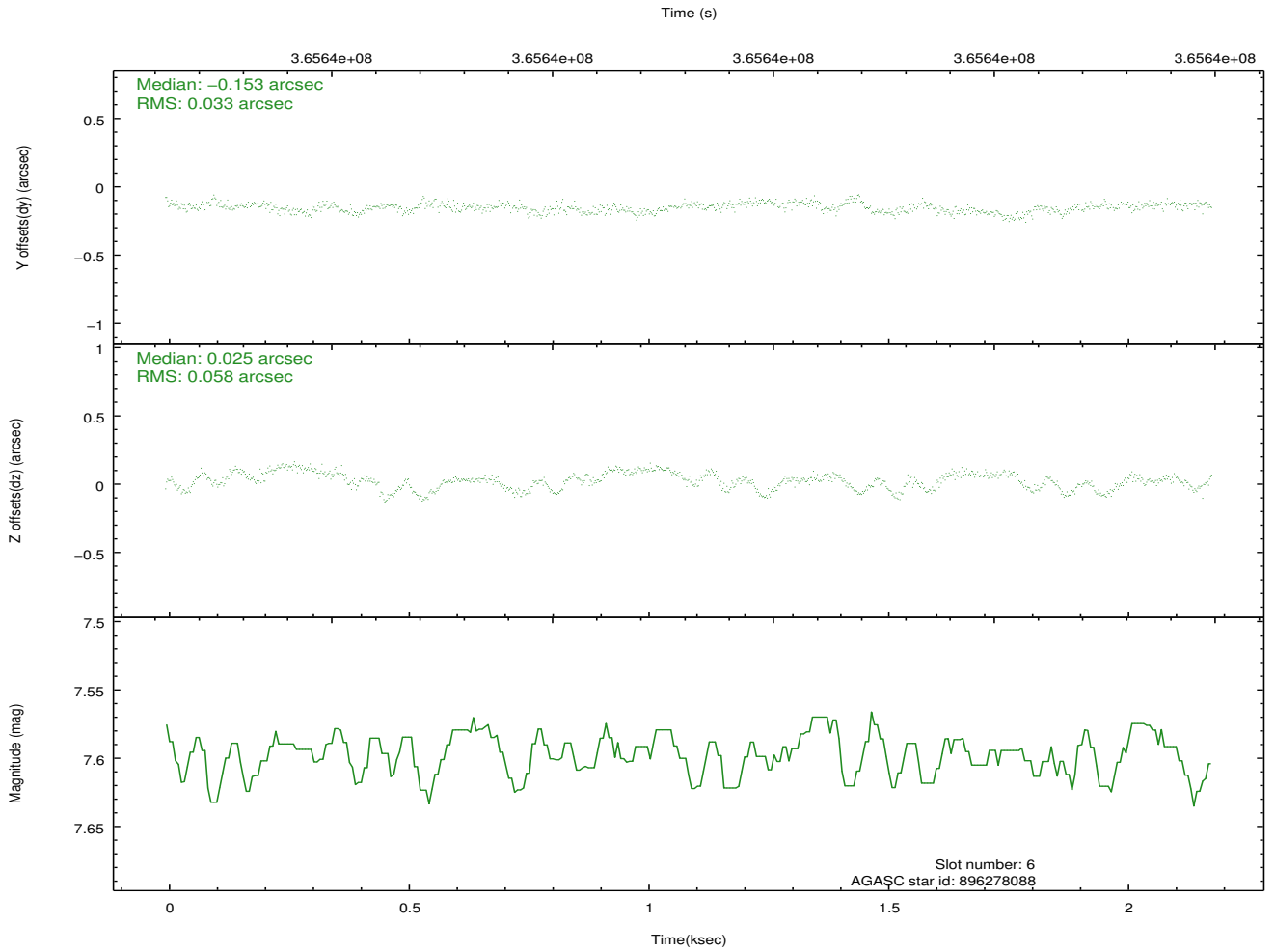
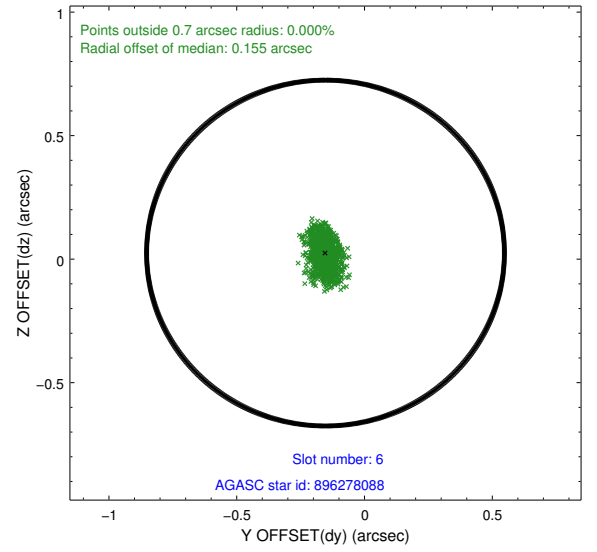
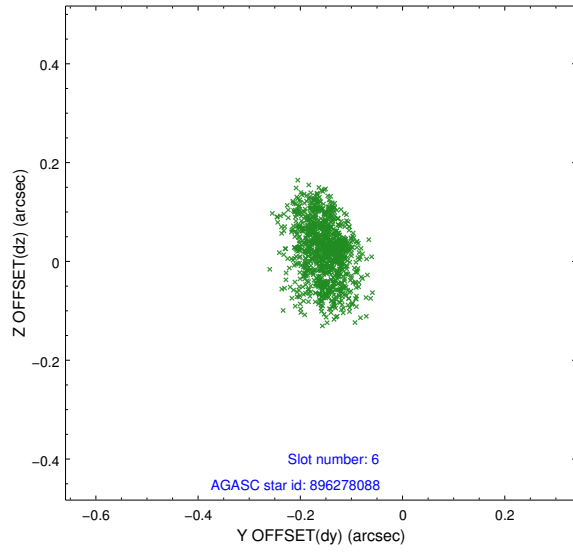
2.4.2 Slot 4



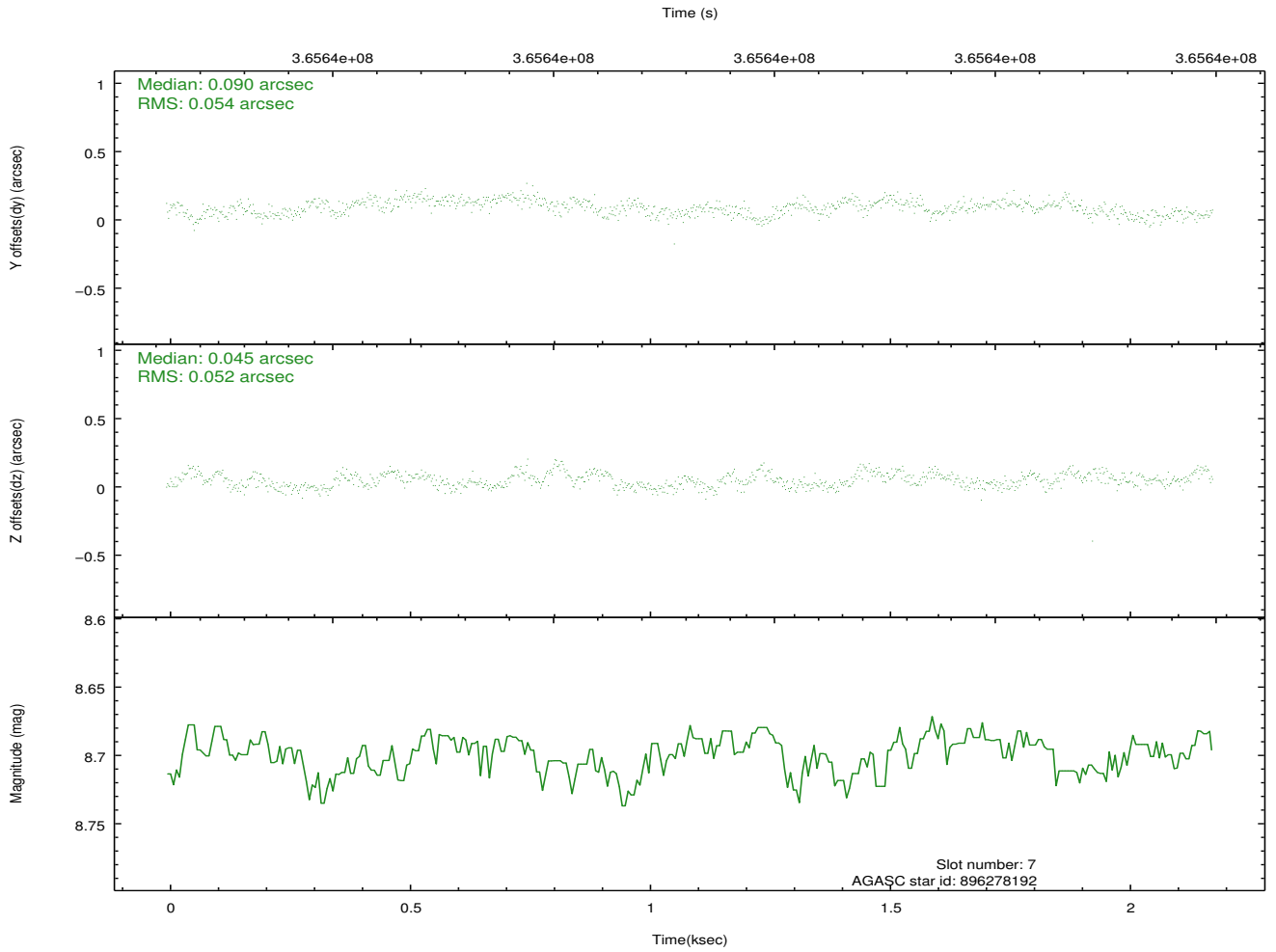
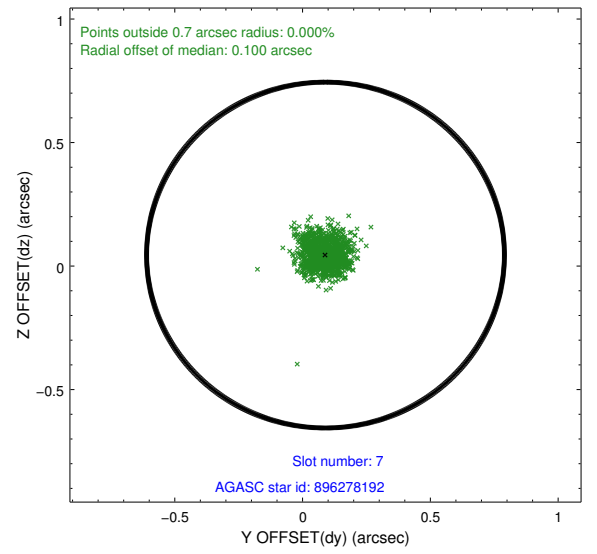
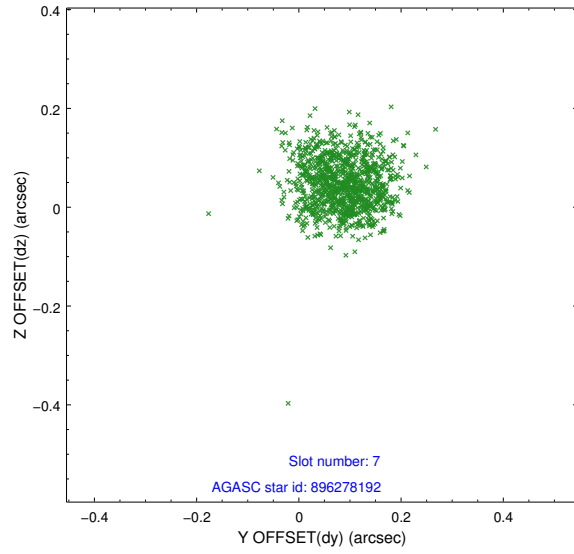
2.4.3 Slot 5



2.4.4 Slot 6

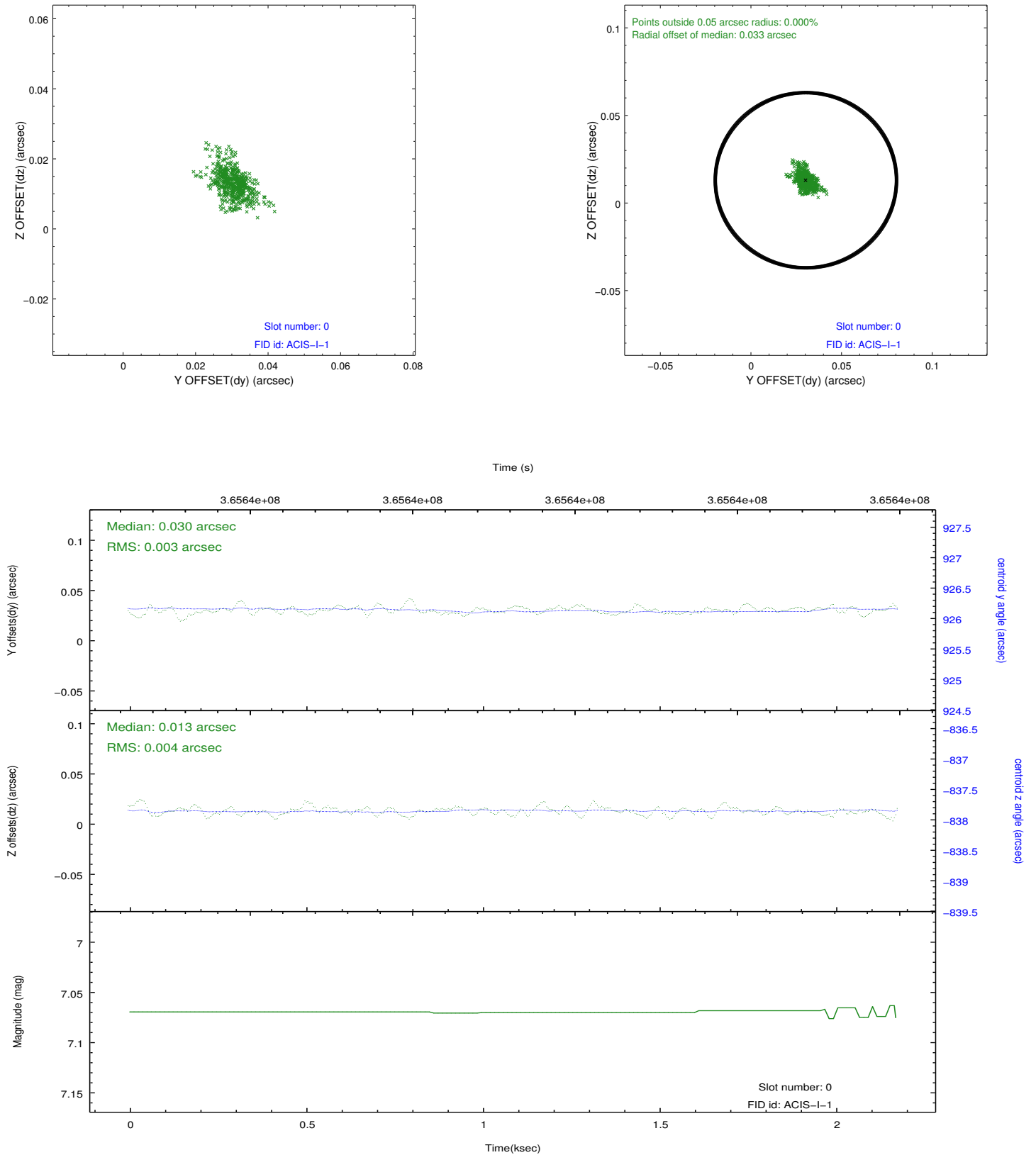


2.4.5 Slot 7

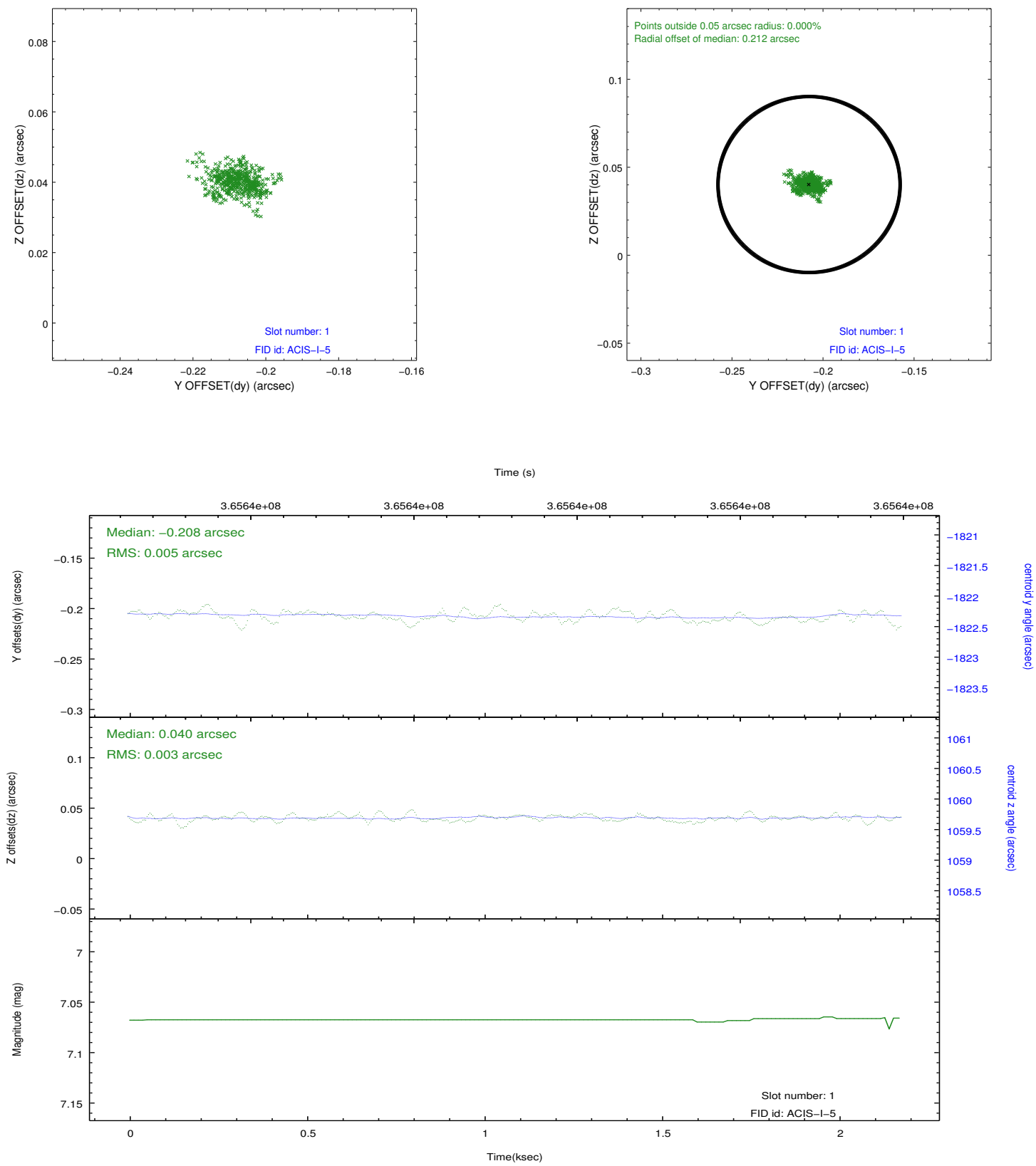


2.5 FID Slots

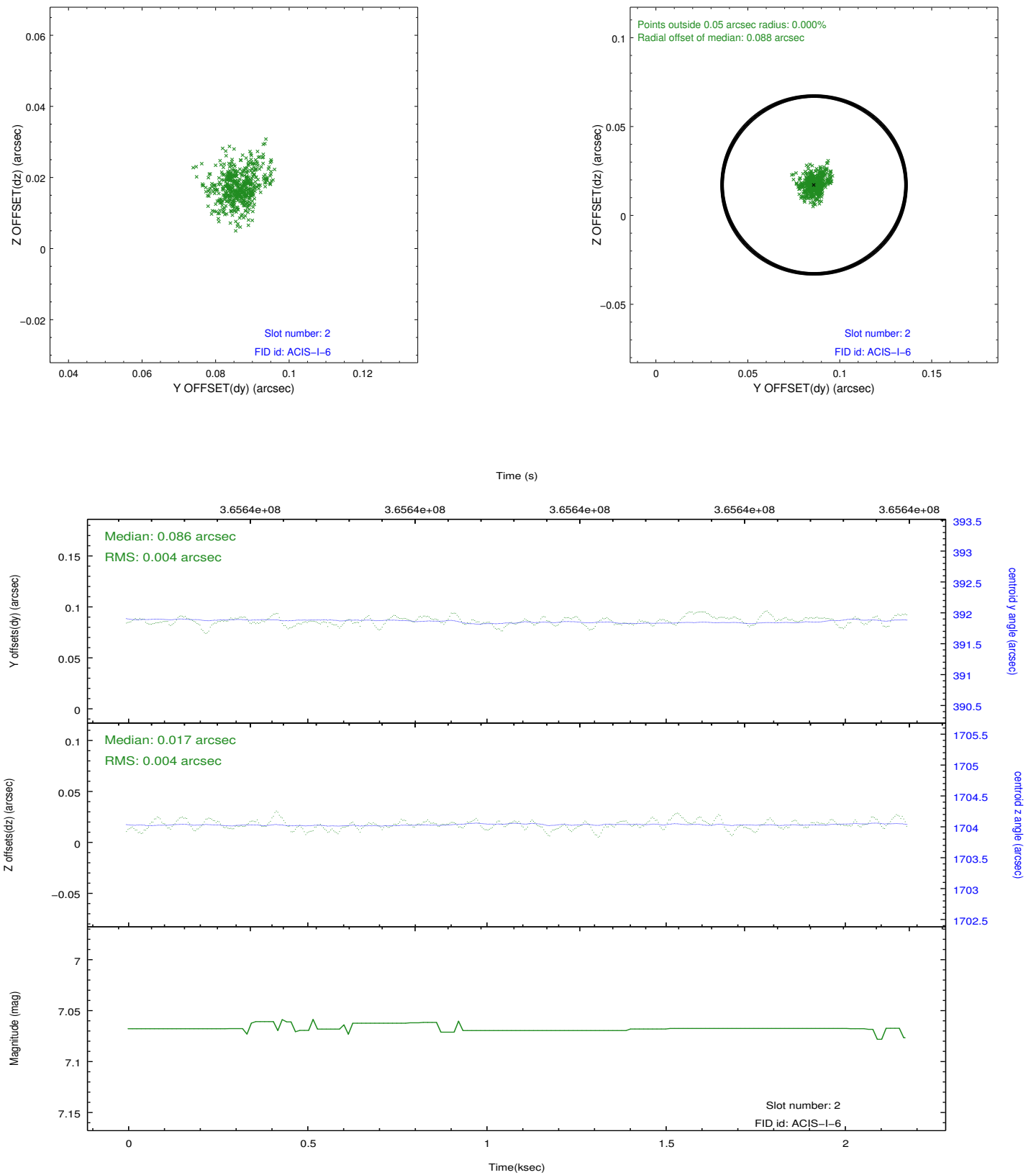
2.5.1 Slot 0



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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1759999919534

A.2 Comments