

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11097 - L2 Version 2
Chandra X-Ray Center

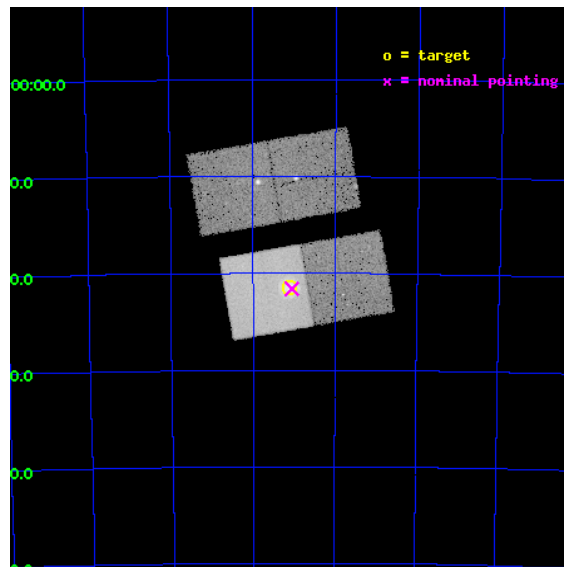
L2 Processing Date : Jun 24 2012

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1 Front

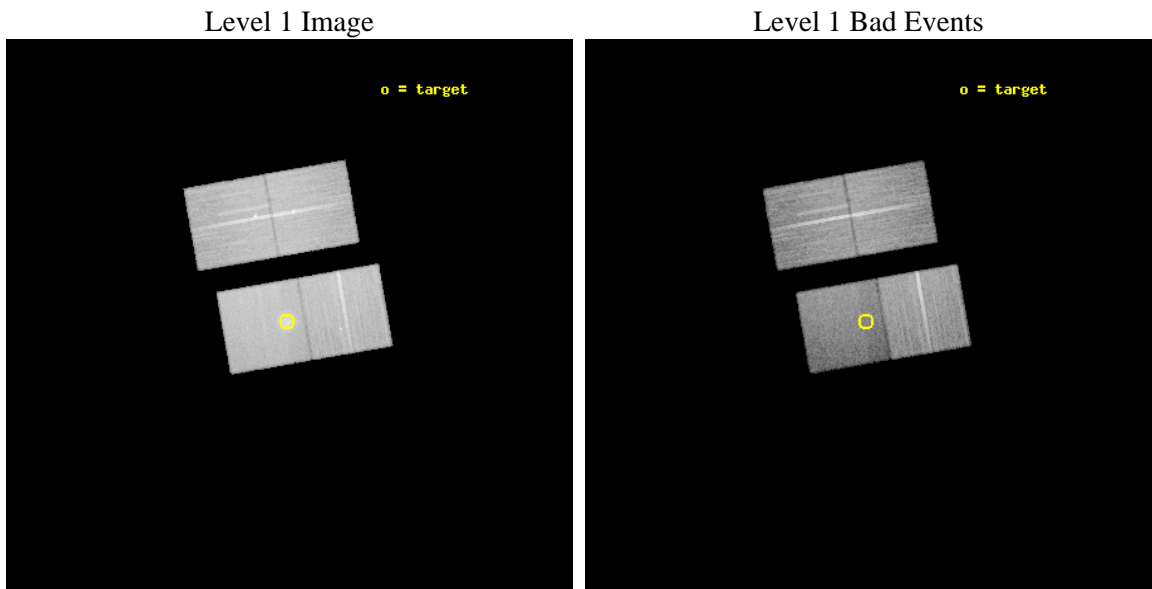
seq_num	501185	Sequence number
obs_id	11097	Observation id
title	A Detailed Study of the Aged O-Rich Supernova Remnant 0049-73.6	Pr
observer	DR. Sangwook Park	Principal investigator
object	SNR 0049-73.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.779167	Observer's specified target RA [deg]
dec_targ	-73.358333	Observer's specified target Dec [deg]
ra_nom	12.763450124788	Nominal RA [deg]
dec_nom	-73.360120823921	Nominal Dec [deg]
roll_nom	170.0657780874	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29991.690815389	Sum of GTIs [s]
livetime	29599.827295325	Livetime [s]
ontime2	29991.567695379	Sum of GTIs [s]
ontime3	29982.185733795	Sum of GTIs [s]
ontime6	29991.649775386	Sum of GTIs [s]
ontime7	29991.690815389	Sum of GTIs [s]
l2events	170021	Number of level 2 events



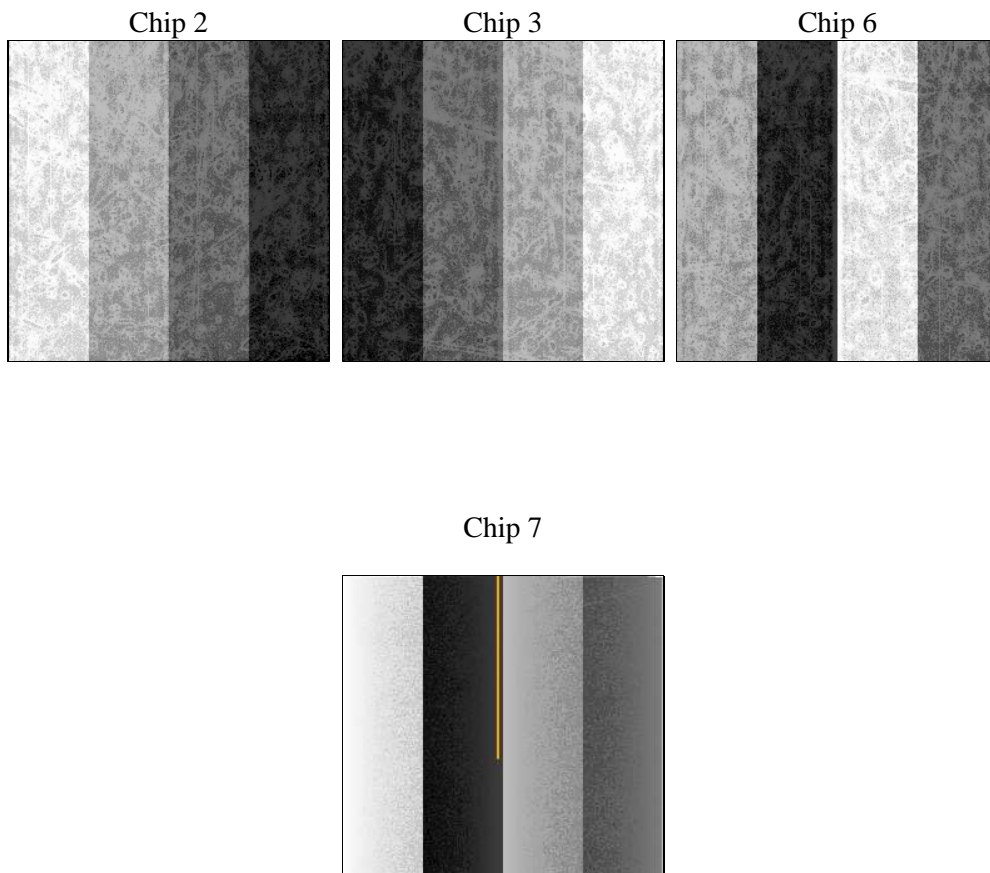
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	29912.838000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29991.690815389	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	29991.567695379	Sum of GTIs [s]
date	2012-06-24T09:02:32	Date and time of file creation	ontime3	29982.185733795	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	29991.649775386	Sum of GTIs [s]
			ontime7	29991.690815389	Sum of GTIs [s]
			l1events	847727	Number of level 1 events

2.1.4 Events

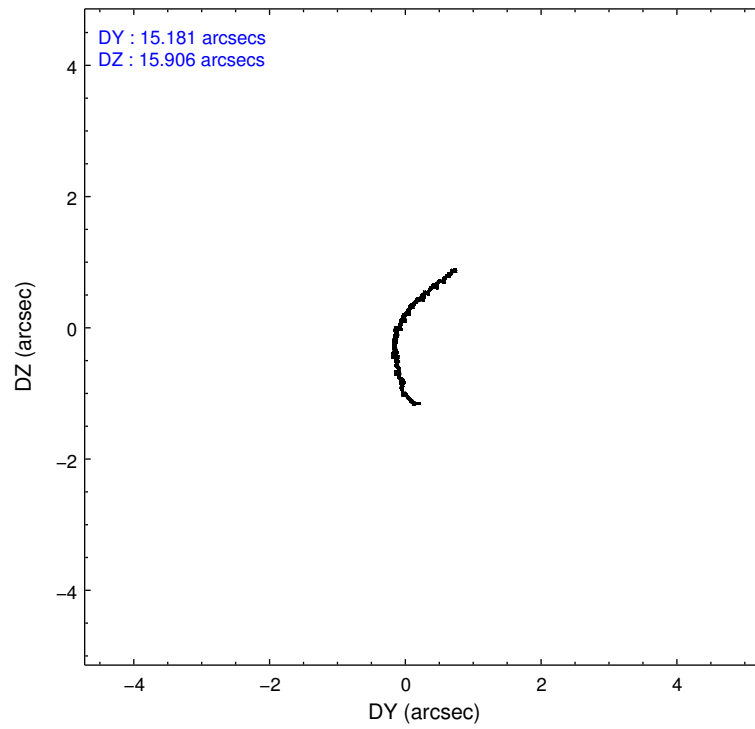
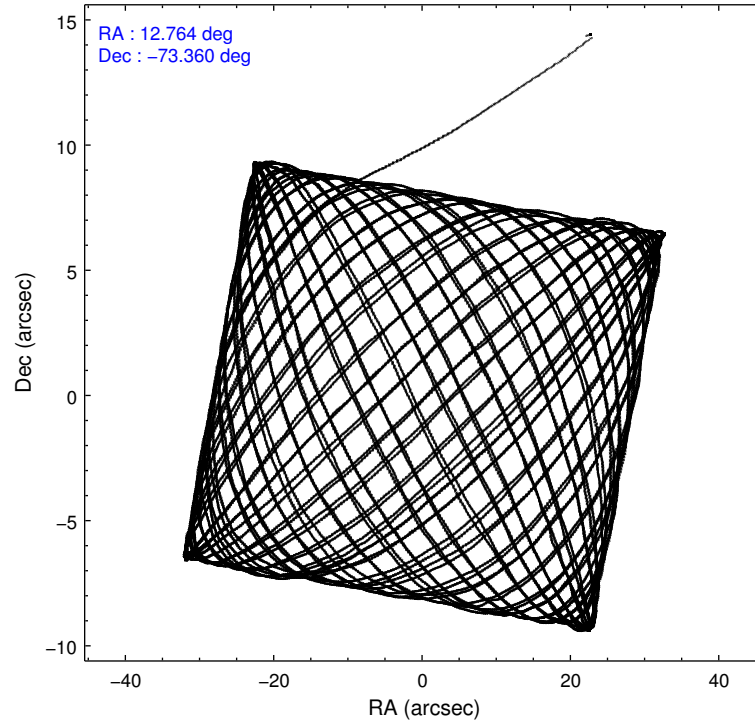
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	209899	198841	214026	224961
rejected events	186894	176601	190608	110187
rejected %	89%	88%	89%	48%

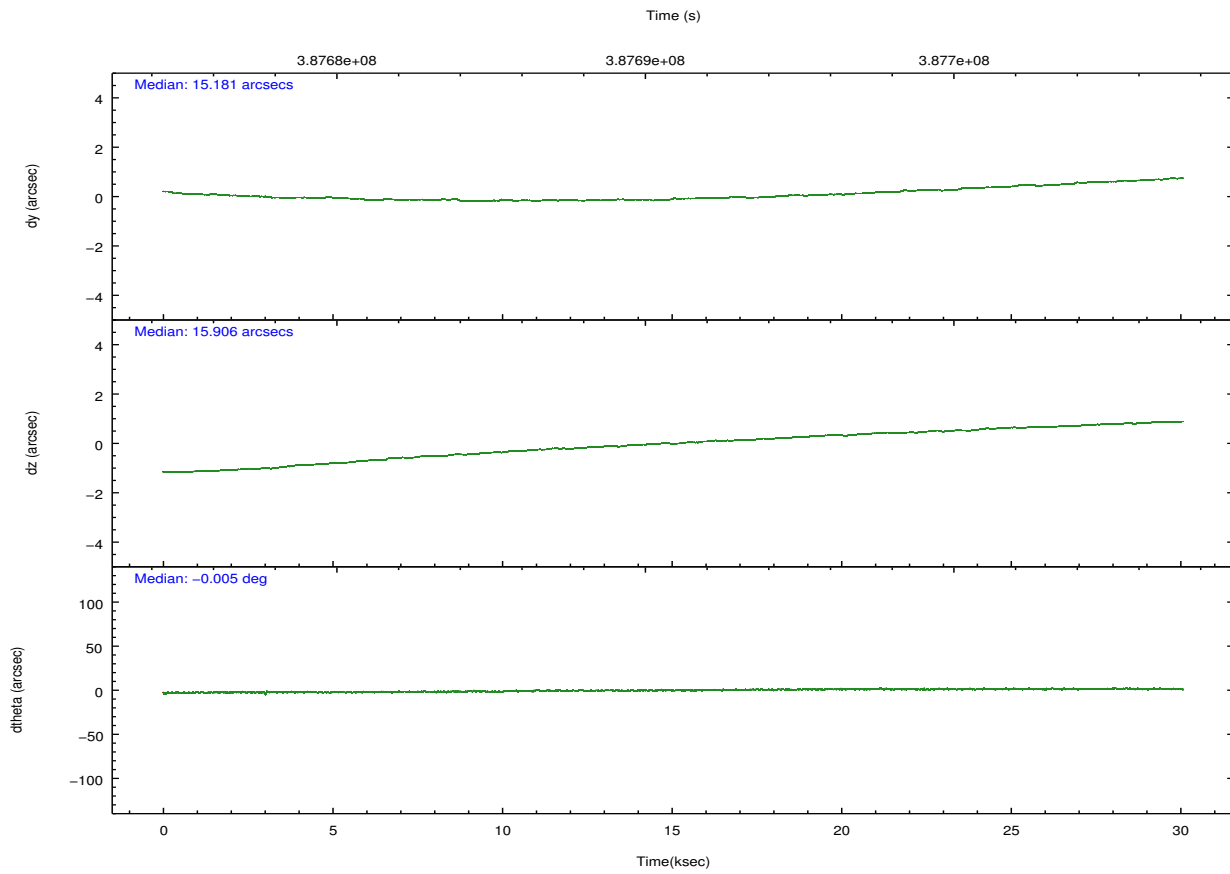
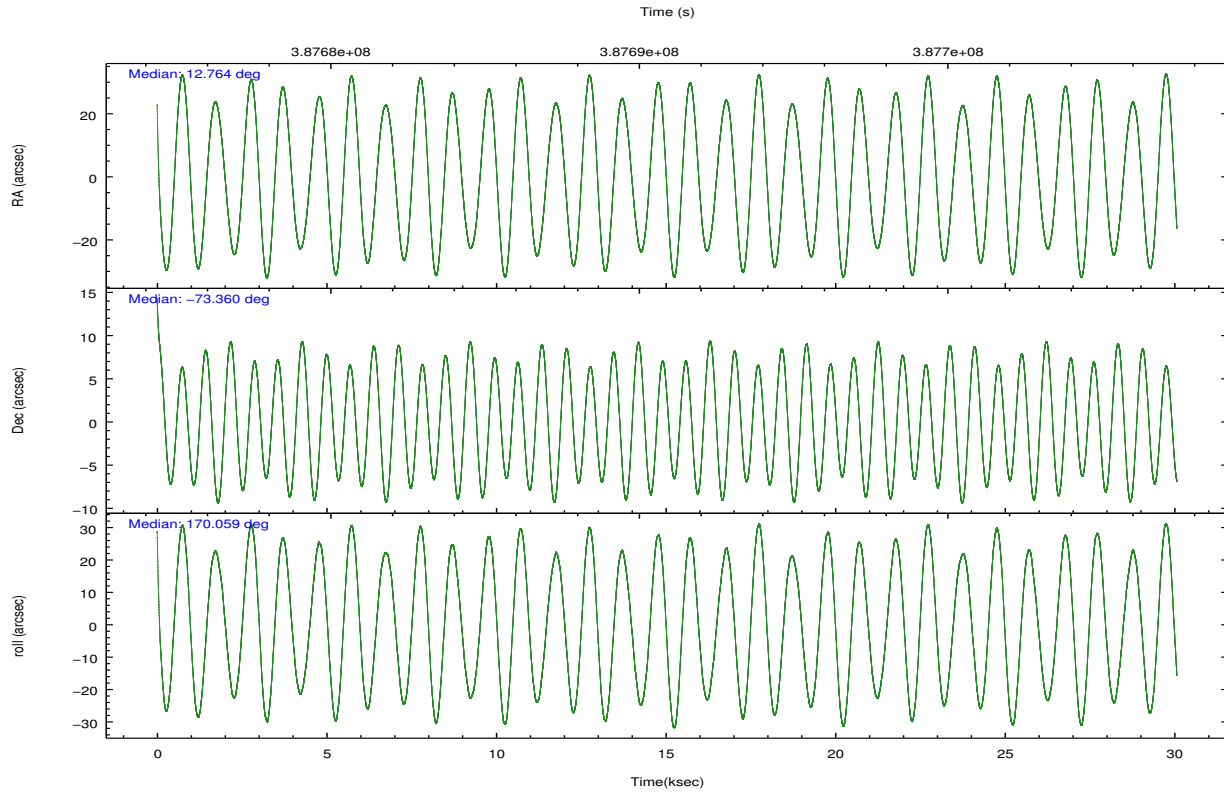
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	9035	8770	8764	14214
	4%	4%	4%	6%
grade 1 events	119	130	124	316
	0%	0%	0%	0%
grade 2 events	5328	4693	5232	25024
	2%	2%	2%	11%
grade 3 events	2312	2368	2431	11037
	1%	1%	1%	4%
grade 4 events	2346	2300	2346	10771
	1%	1%	1%	4%
grade 5 events	6550	7700	7860	22951
	3%	3%	3%	10%
grade 6 events	3989	4109	4648	53750
	1%	2%	2%	23%
grade 7 events	180220	168771	182621	86898
	85%	84%	85%	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	12.852629	12.76345012478816	Subarray requested	NONE	NONE
[deg] Pointing Dec	-73.350376	-73.36012082392108	Alternating exposures requested	N	N
[deg] Pointing Roll	169.994594	170.0657780873989	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	387676021.184000	387674993.06717			
Observation start date	2010-04-14T23:45:55	2010-04-14T23:29:53			
[s] Observation end time (MET)	387705934.184000	387706156.14376			
Observation end date	2010-04-15T08:04:28	2010-04-15T08:09:16			
Read mode	TIMED	TIMED			

2.3 Aspect



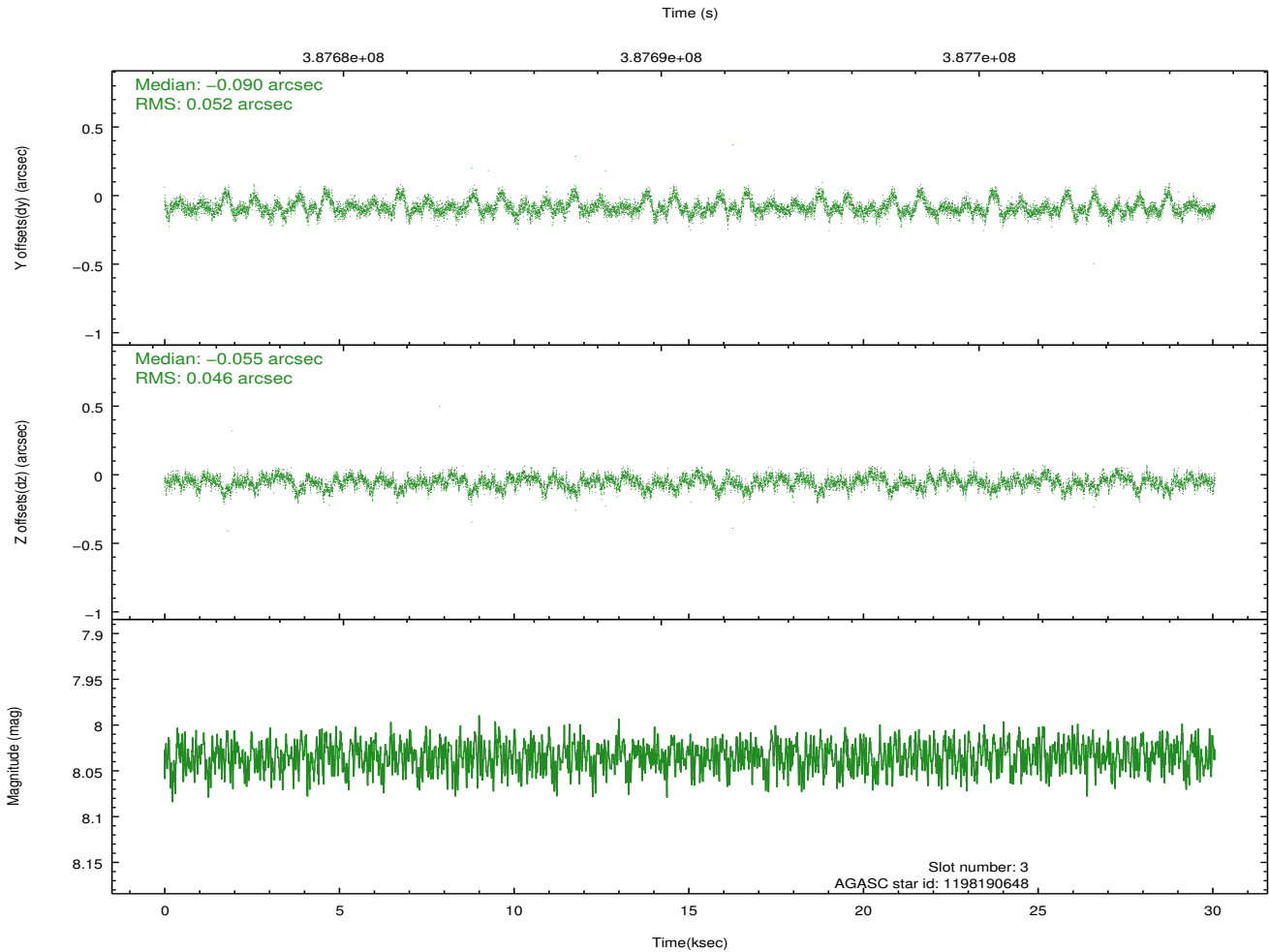
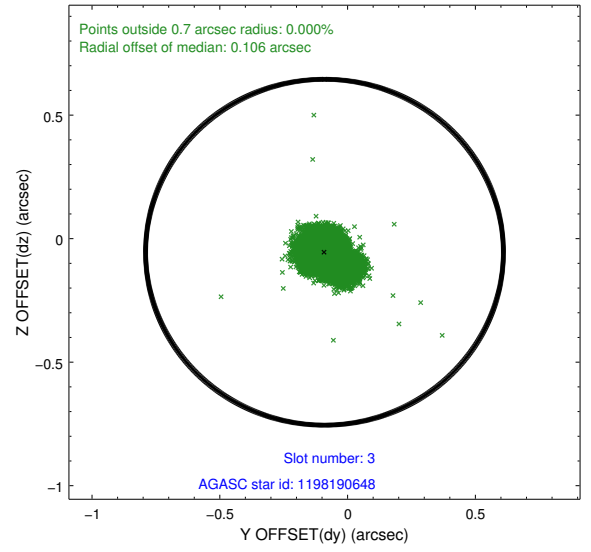
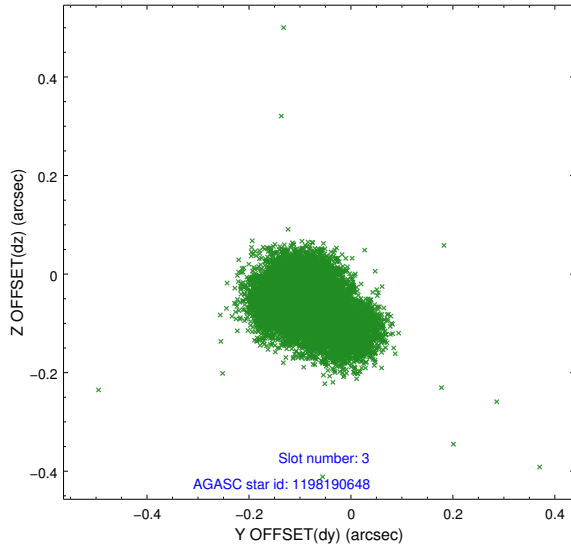


Slot Statistics

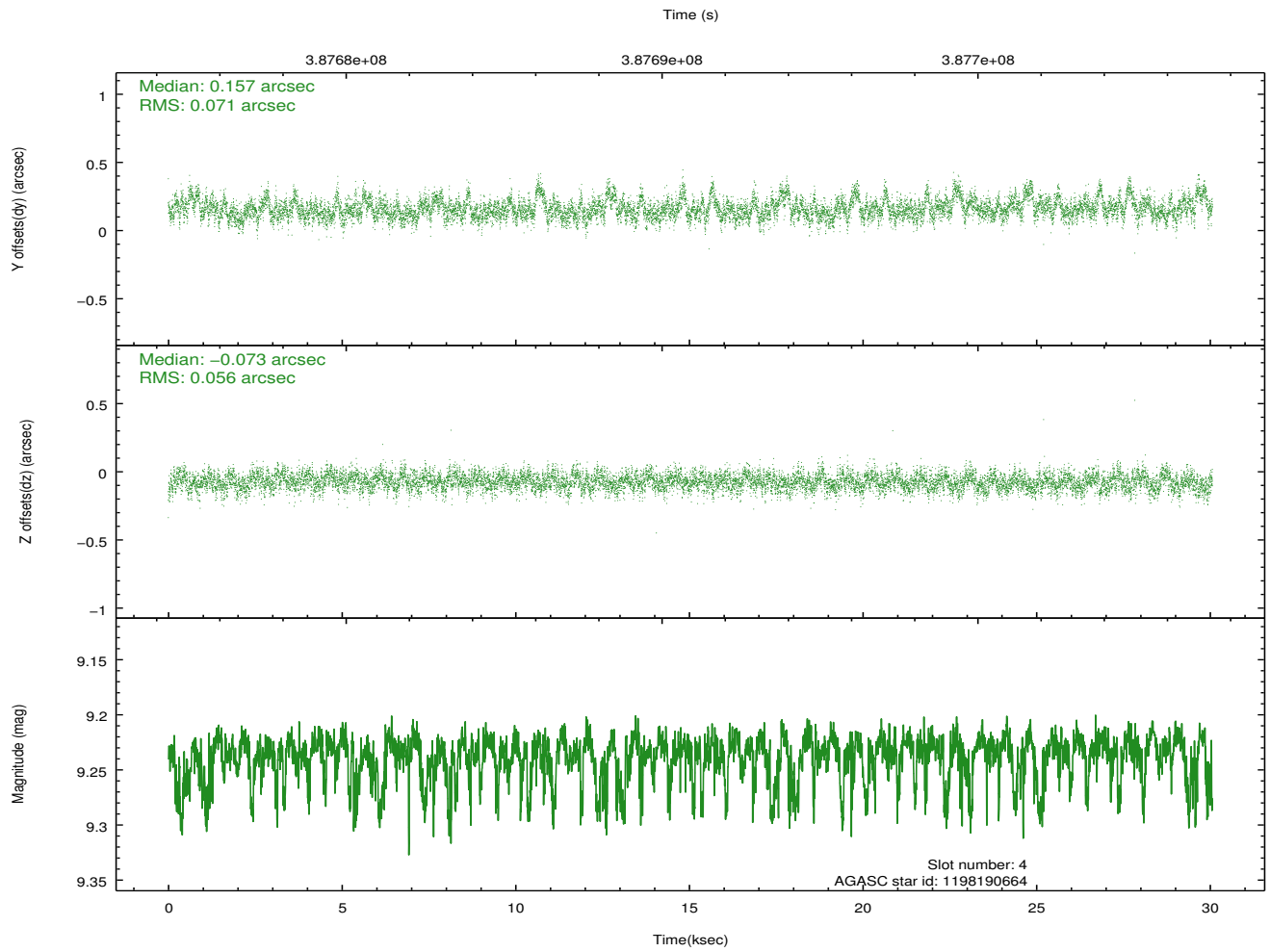
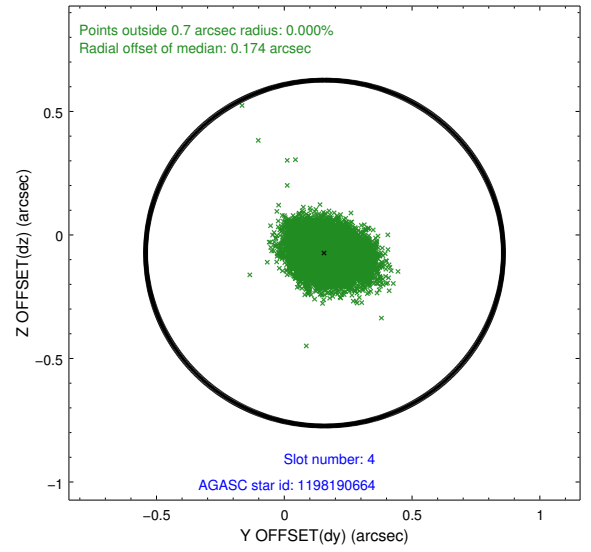
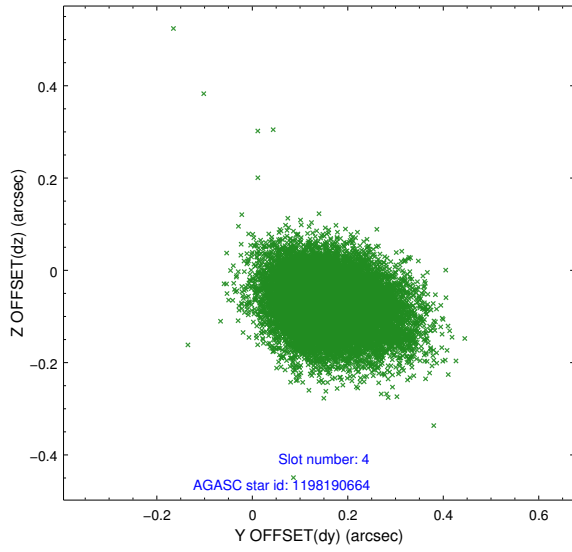
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.01	7335	0.081	-0.088	0.027	0.065	0.000000	0.000000	927.86	-1732.96
1	FID	ACIS-S-5	7.06	7334	-0.153	0.038	0.018	0.035	0.000000	0.000000	-1821.32	164.64
2	FID	ACIS-S-6	7.17	7335	0.057	0.054	0.029	0.048	0.000000	0.000000	393.31	808.69
3	GUIDE	1198190648	8.03	14662	-0.090	-0.055	0.070	0.127	12.344115	-73.478663	432.08	547.71
4	GUIDE	1198190664	9.24	14599	0.157	-0.073	0.094	0.159	14.057016	-73.825958	-1489.04	1488.48
5	GUIDE	1198192456	8.59	14662	0.008	-0.116	0.073	0.118	13.422921	-73.869405	-886.83	1743.69
6	GUIDE	1198191824	9.33	14642	0.075	-0.053	0.090	0.145	11.519918	-73.478175	1261.07	705.30
7	GUIDE	1198191400	8.41	14649	-0.161	0.299	0.071	0.117	11.617890	-72.595865	1779.49	-2429.77

2.4 Star Slots

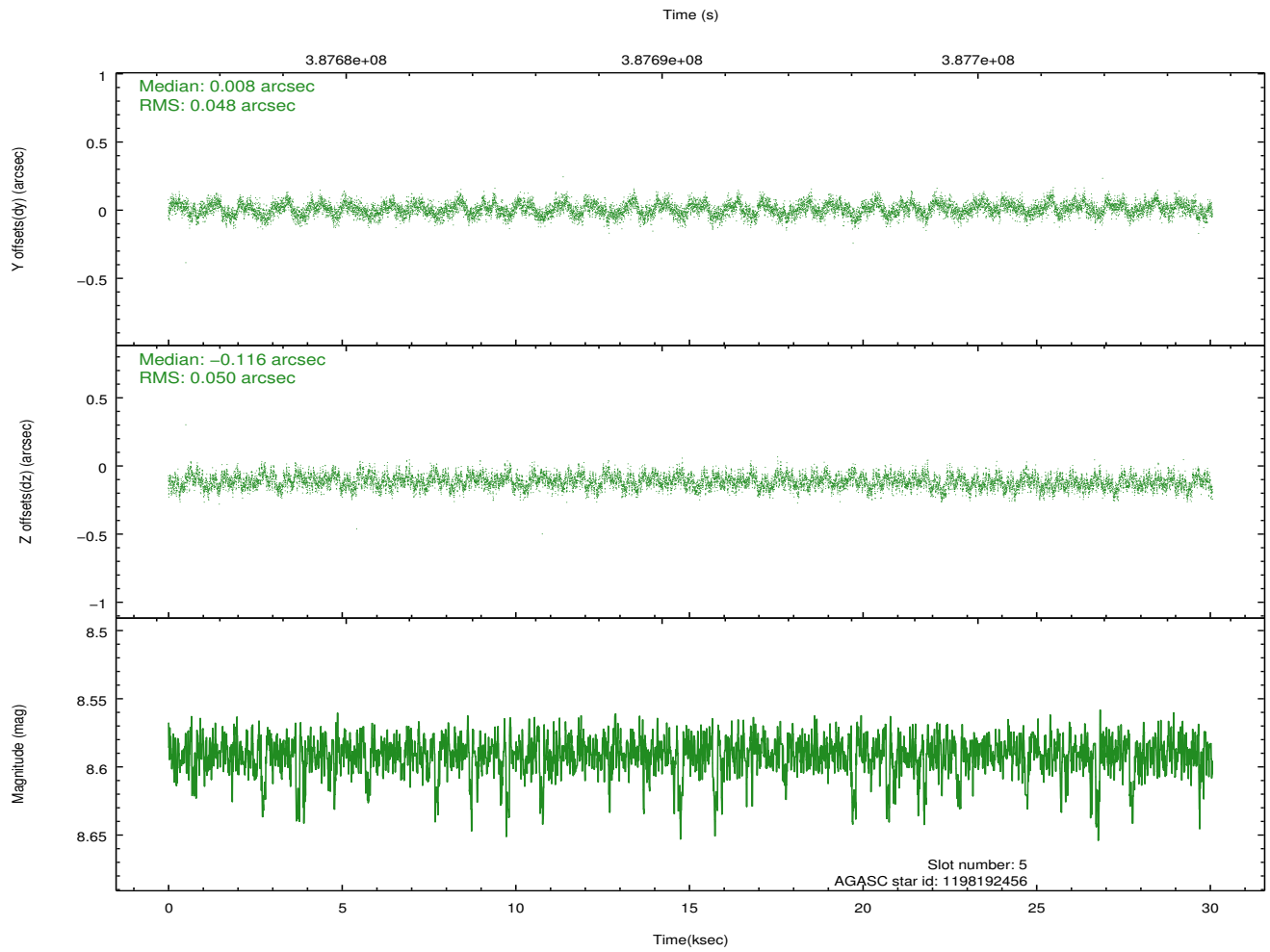
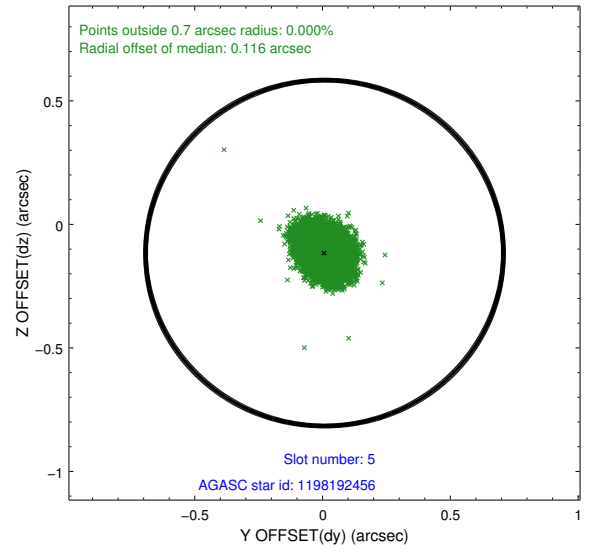
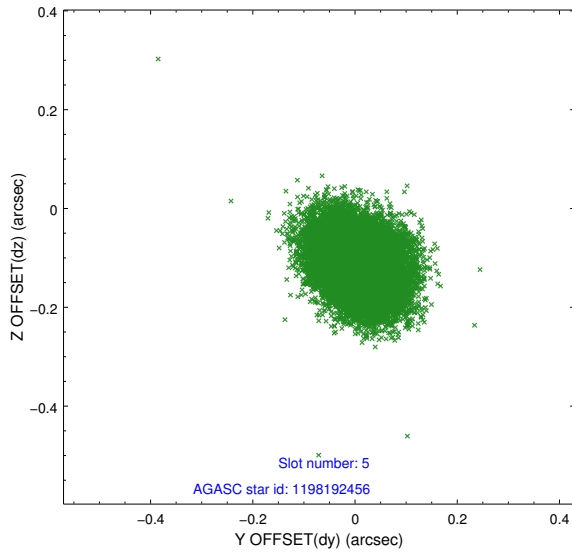
2.4.1 Slot 3



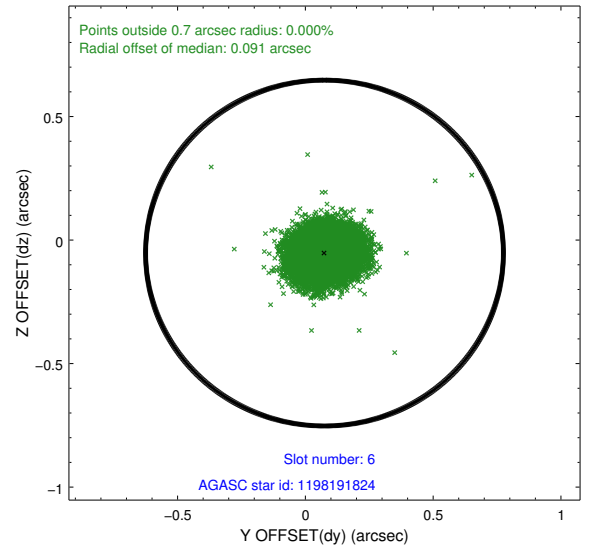
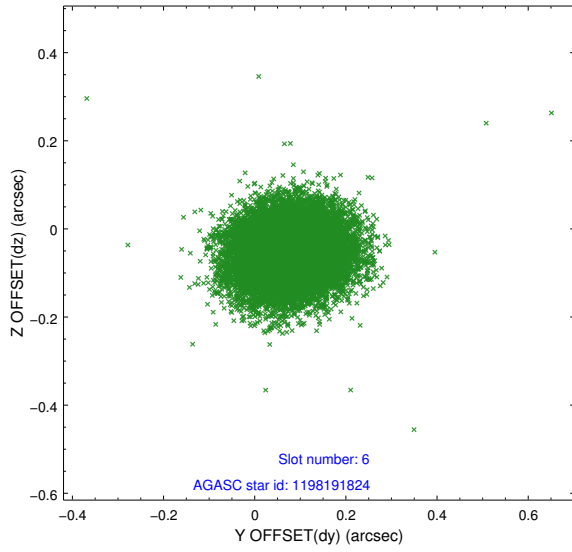
2.4.2 Slot 4



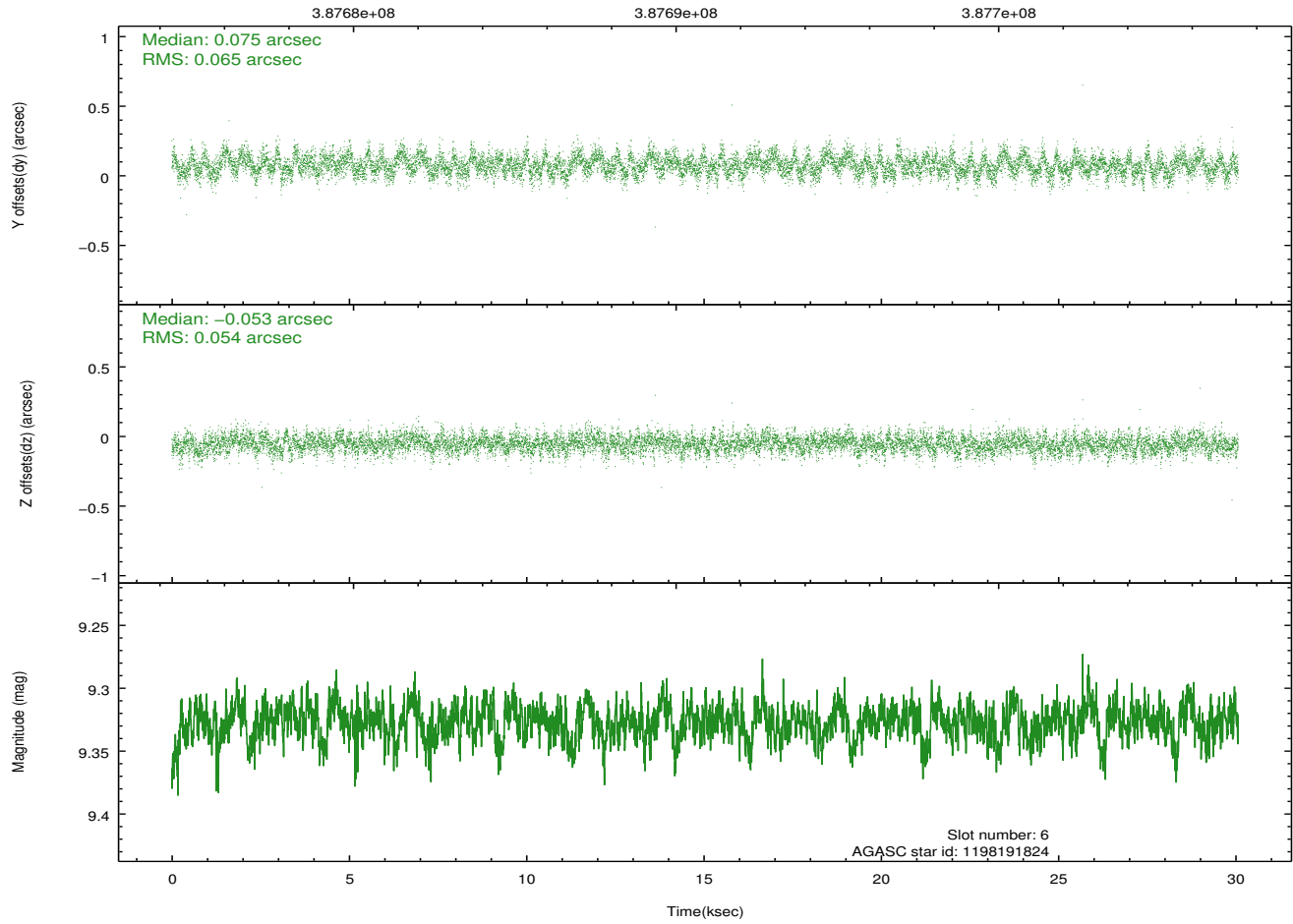
2.4.3 Slot 5



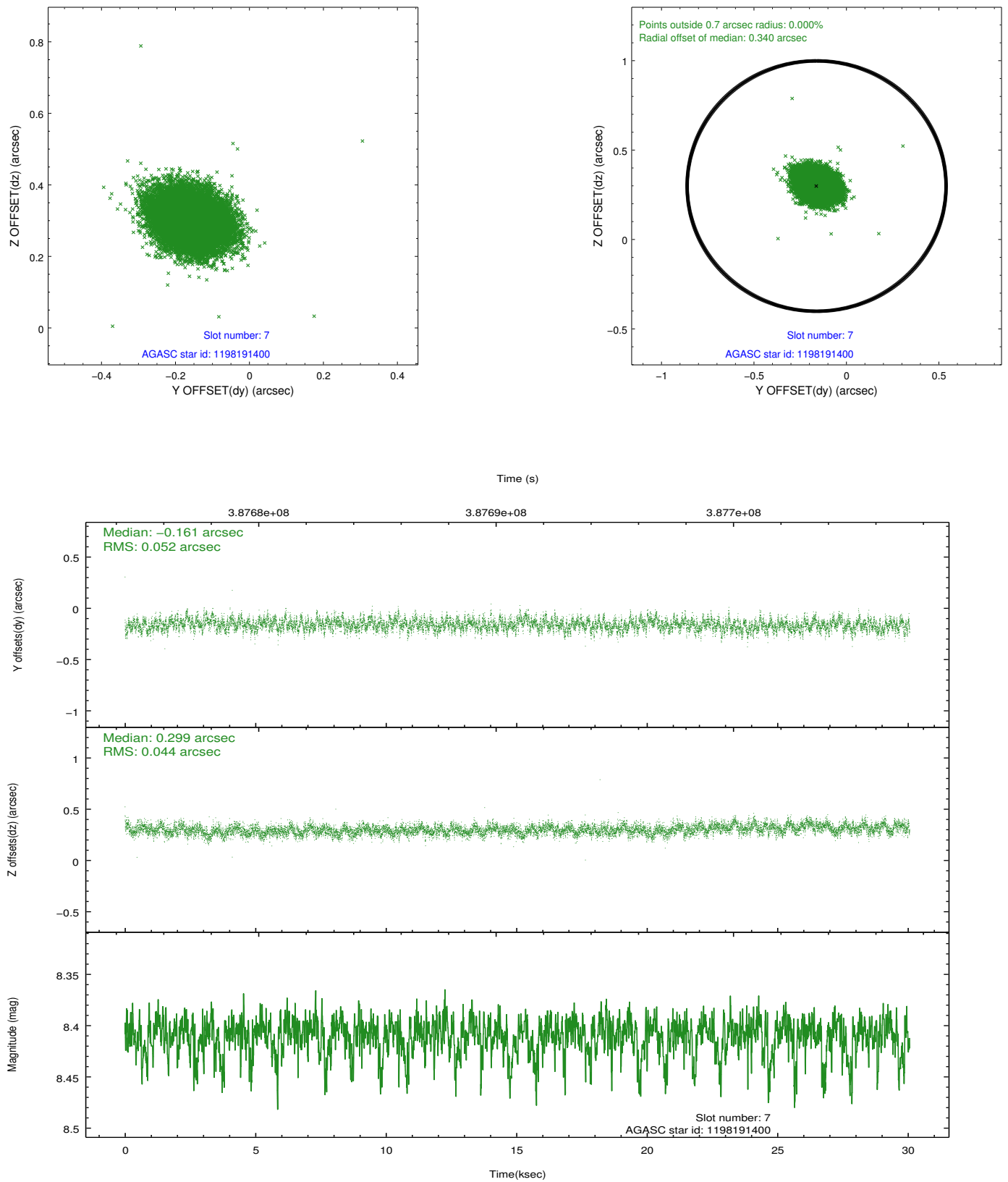
2.4.4 Slot 6



Time (s)

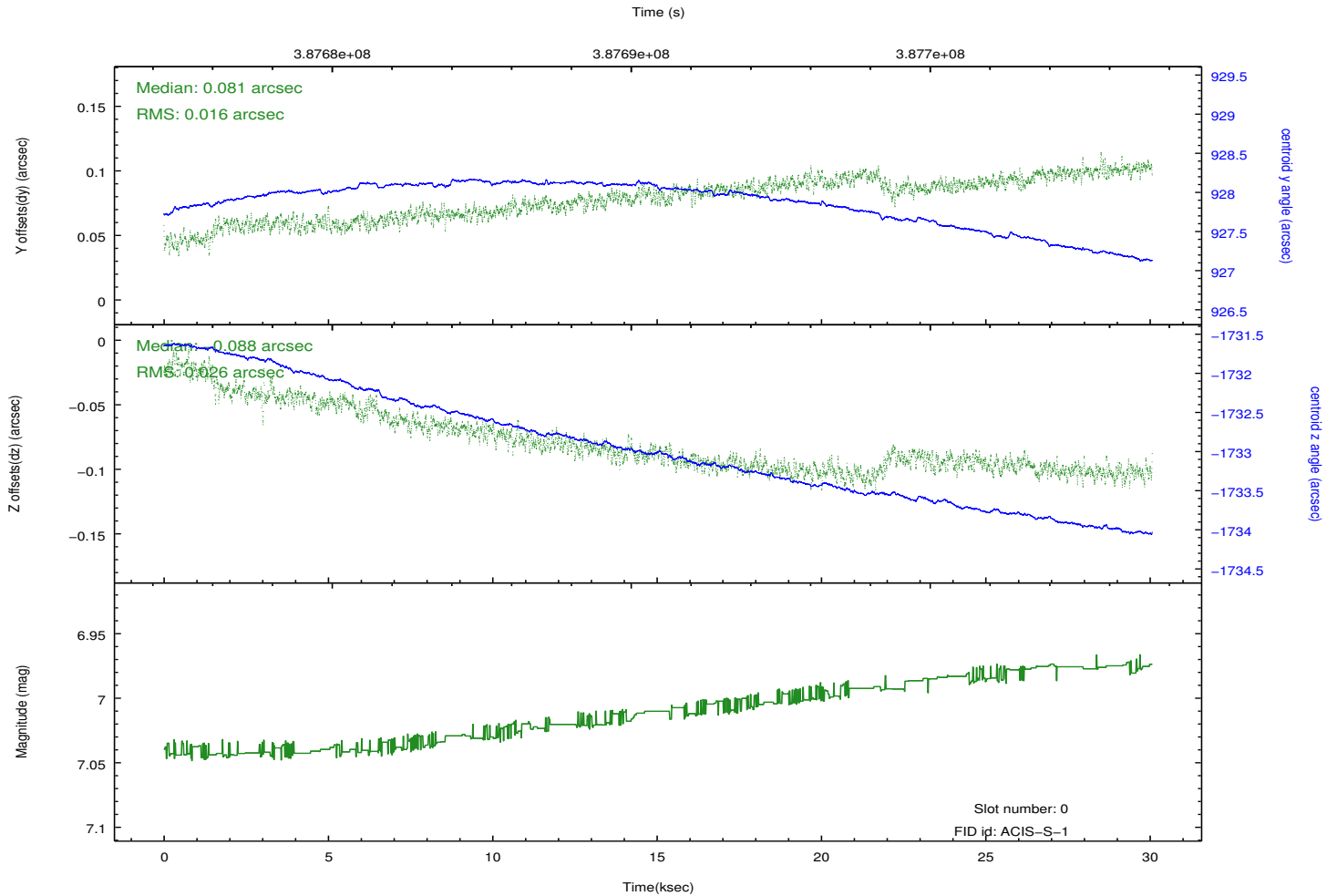
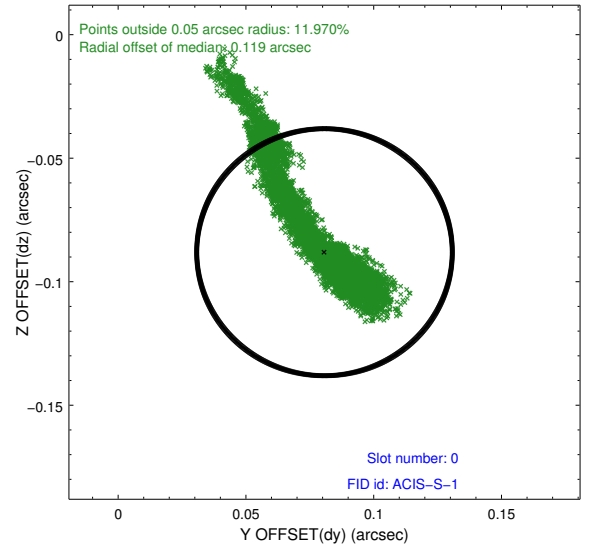
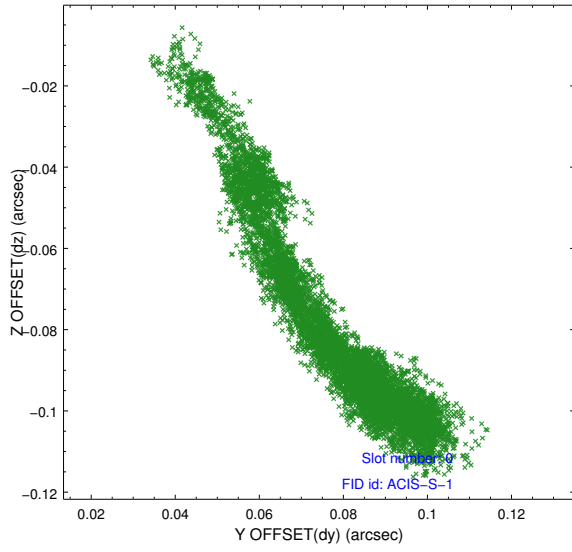


2.4.5 Slot 7

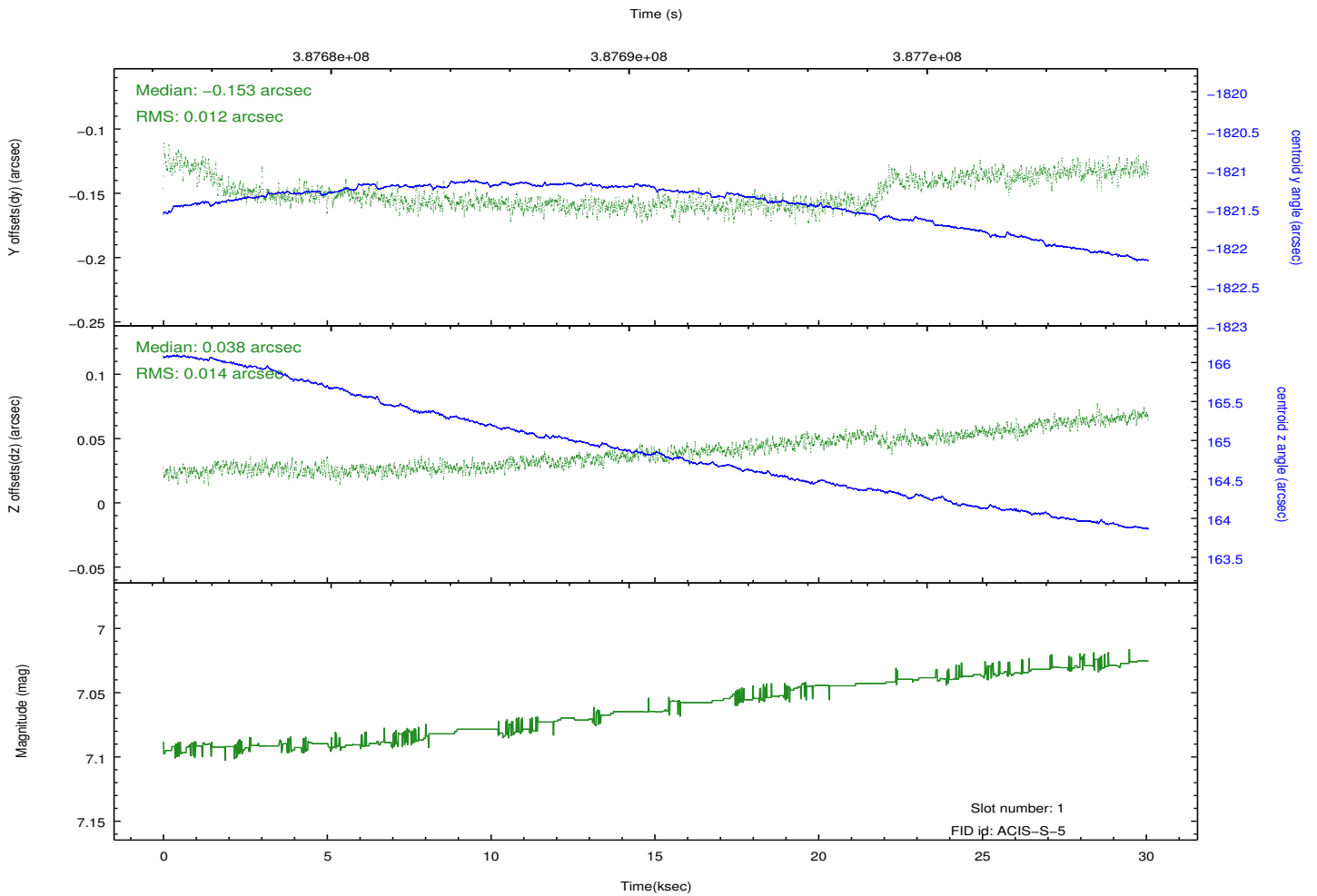
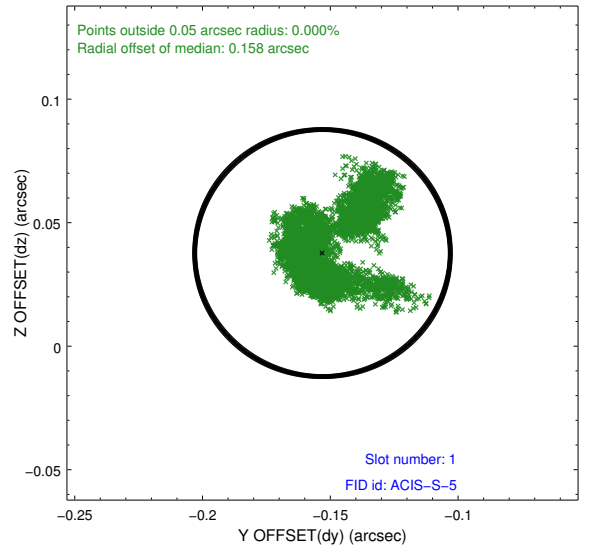
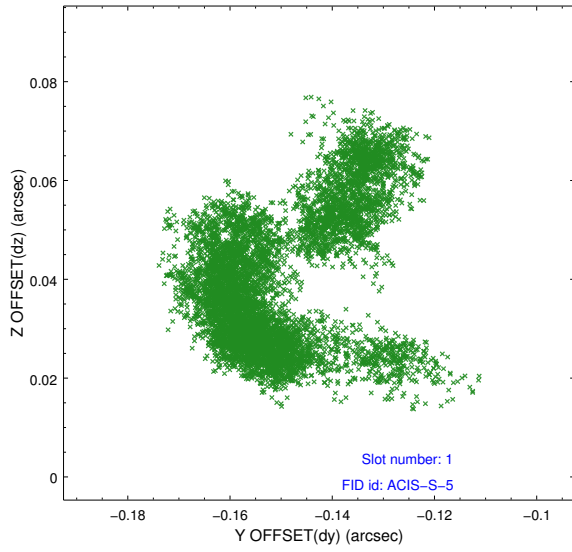


2.5 FID Slots

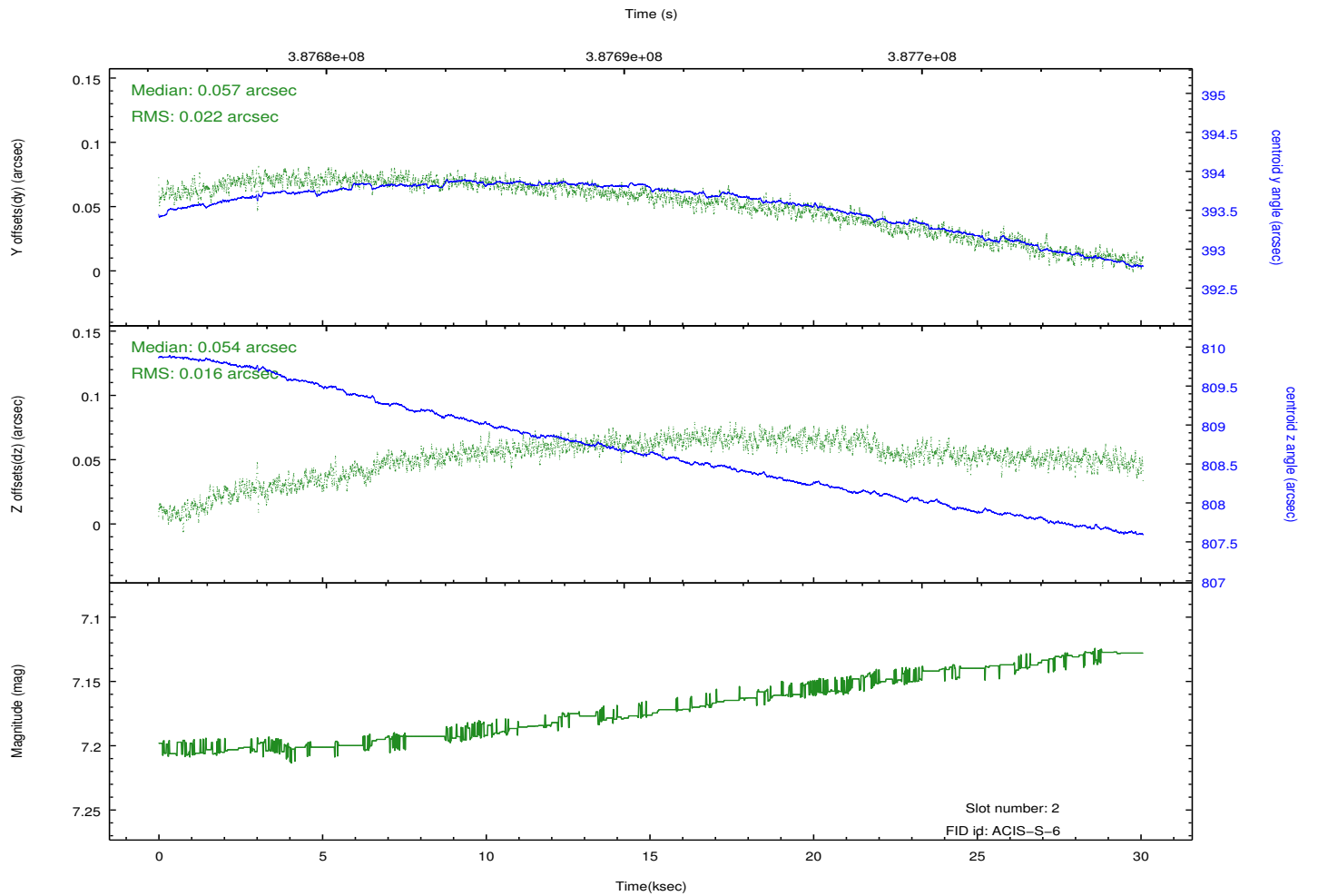
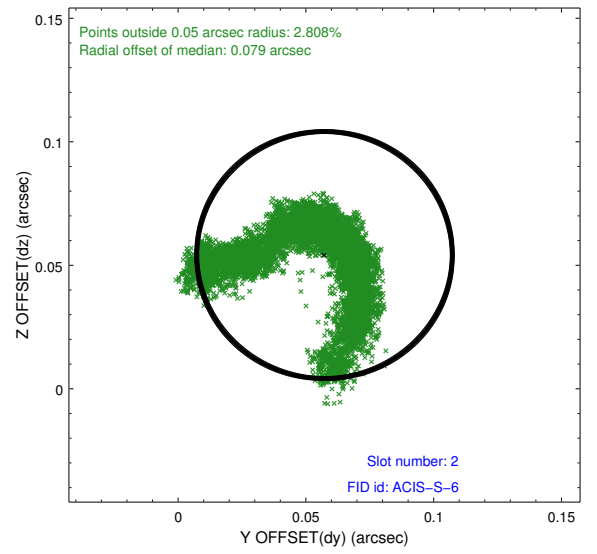
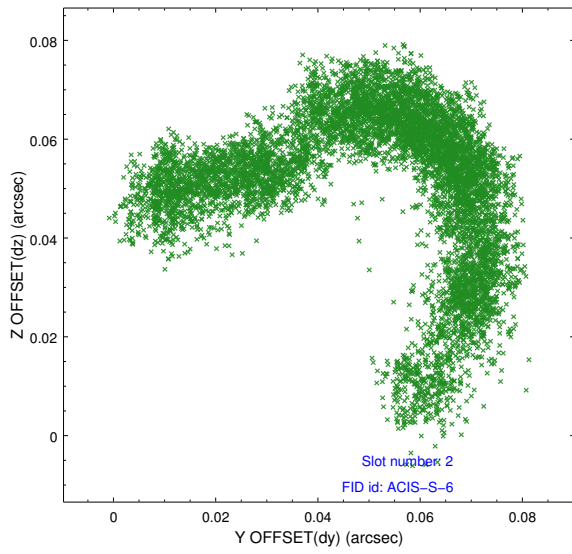
2.5.1 Slot 0



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)	2012.07.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.991690816462

A.2 Comments