

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11077 - L2 Version 2
Chandra X-Ray Center

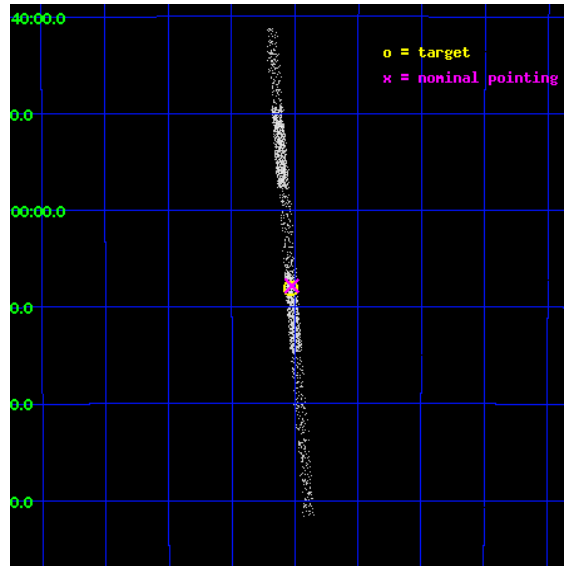
L2 Processing Date : Jun 24 2012

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1 Front

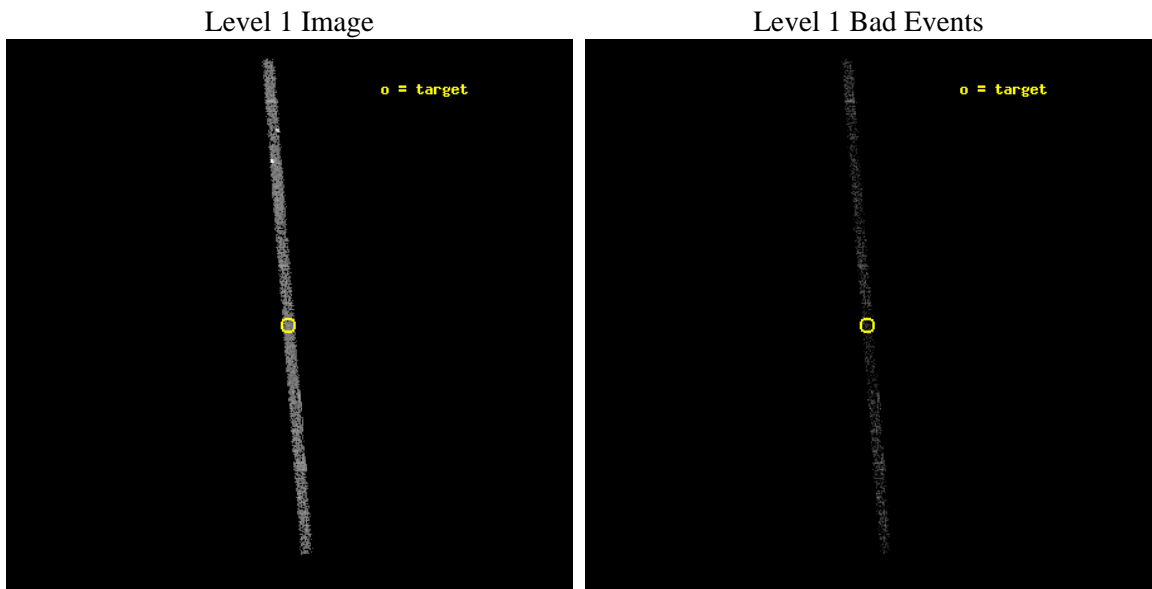
seq_num	401112	Sequence number
obs_id	11077	Observation id
title	Precise Localization of Transient Low-Mass X-ray Binaries	Proposal
observer	Prof. Deepto Chakrabarty	Principal investigator
object	Swift J1749.4-2807	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.383083	Observer's specified target RA [deg]
dec_targ	-28.134944	Observer's specified target Dec [deg]
ra_nom	267.38094916641	Nominal RA [deg]
dec_nom	-28.130496991661	Nominal Dec [deg]
roll_nom	85.458794942552	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1143.0999804735	Sum of GTIs [s]
livetime	1079.7932450765	Livetime [s]
ontime4	1143.0999804735	Sum of GTIs [s]
ontime5	1143.0999804735	Sum of GTIs [s]
ontime6	1143.0999804735	Sum of GTIs [s]
ontime7	1143.0999804735	Sum of GTIs [s]
ontime8	1143.0999804735	Sum of GTIs [s]
ontime9	1143.0999804735	Sum of GTIs [s]
l2events	2119	Number of level 2 events



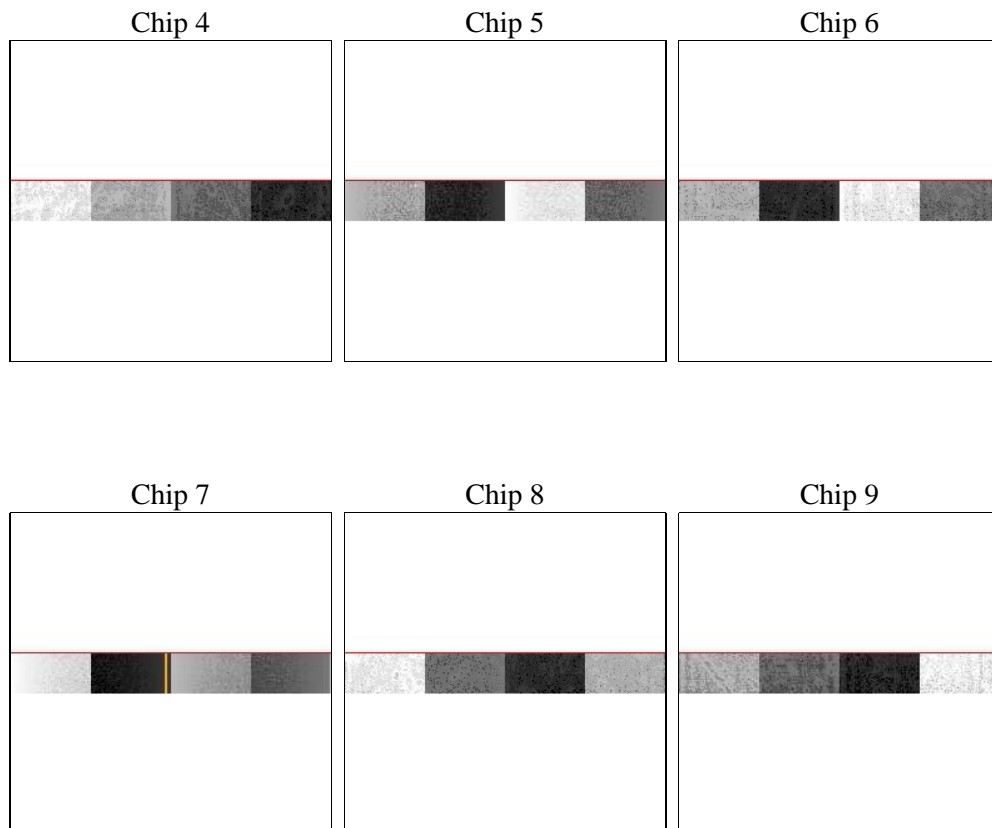
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1143.0999804735	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	1143.0999804735	Sum of GTIs [s]
date	2012-06-24T20:45:13	Date and time of file creation	ontime5	1143.0999804735	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	1143.0999804735	Sum of GTIs [s]
			ontime7	1143.0999804735	Sum of GTIs [s]
			ontime8	1143.0999804735	Sum of GTIs [s]
			ontime9	1143.0999804735	Sum of GTIs [s]
			l1events	18665	Number of level 1 events

2.1.4 Events

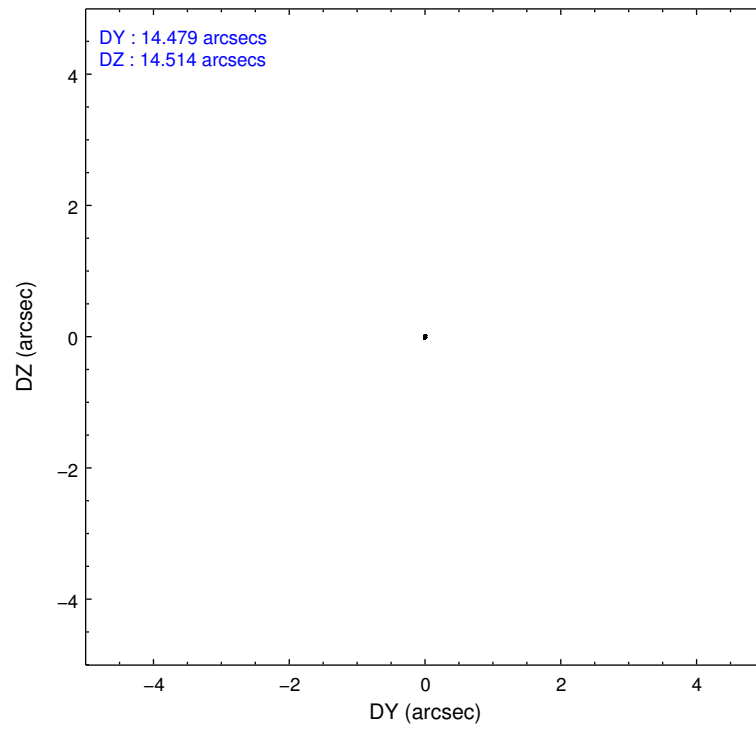
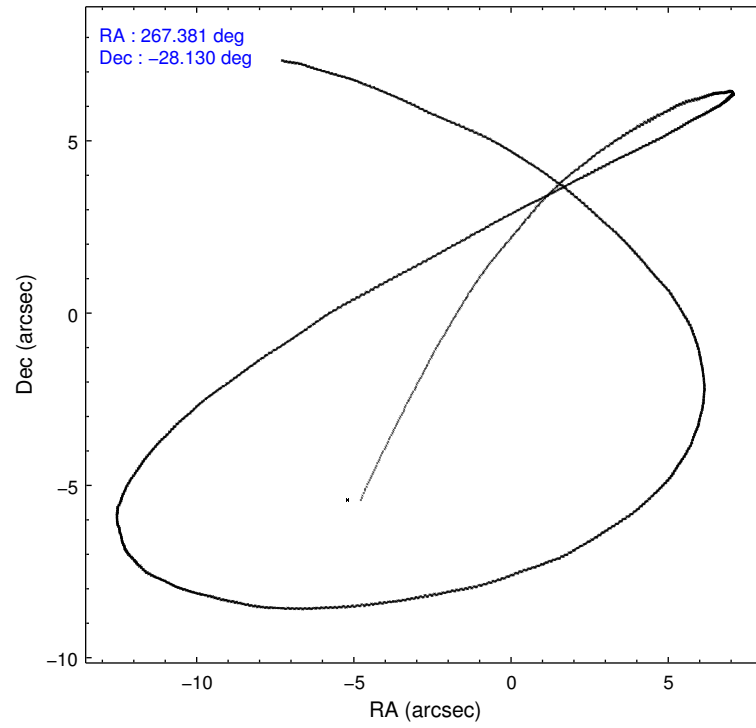
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	3512	5197	2222	2448	3222	2064
rejected events	2804	2846	2042	1680	2780	1895
rejected %	79%	54%	91%	68%	86%	91%

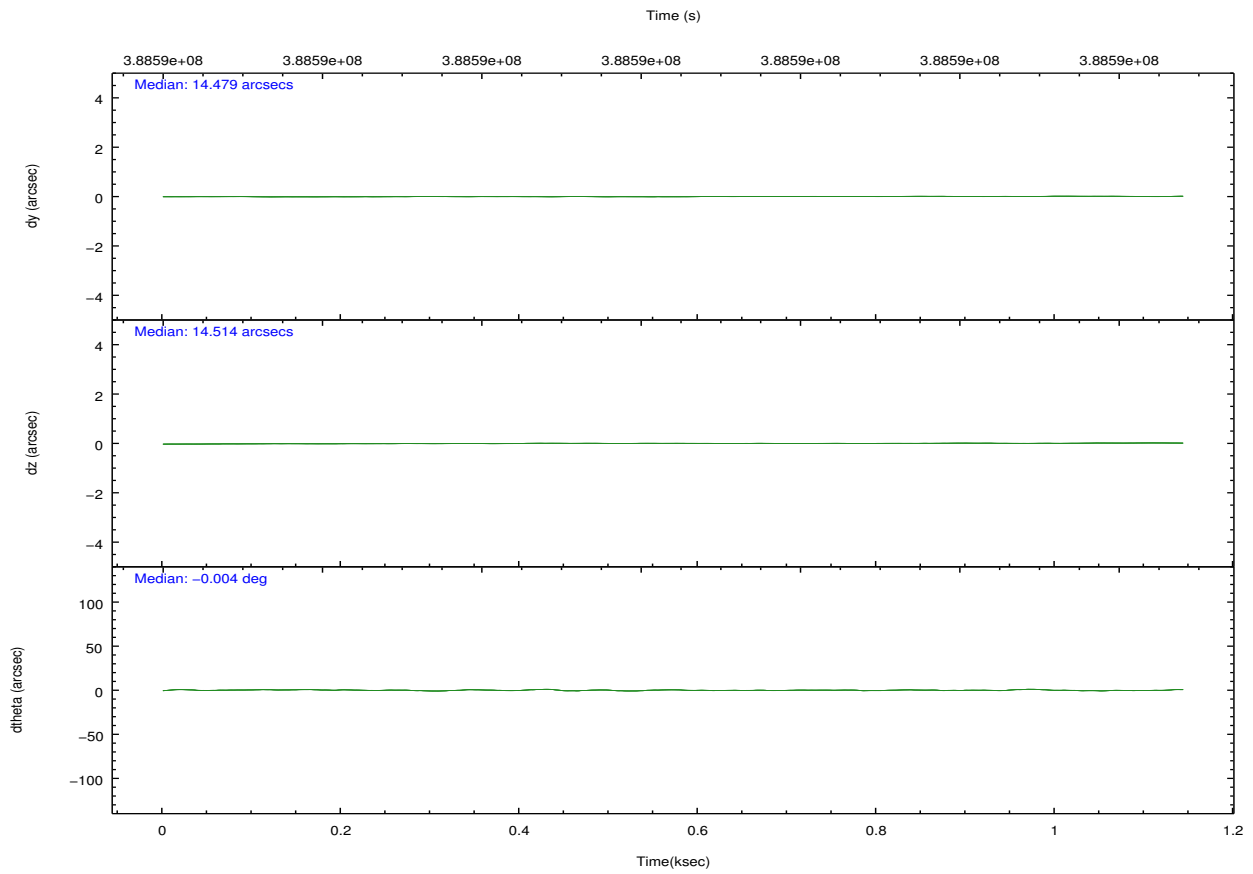
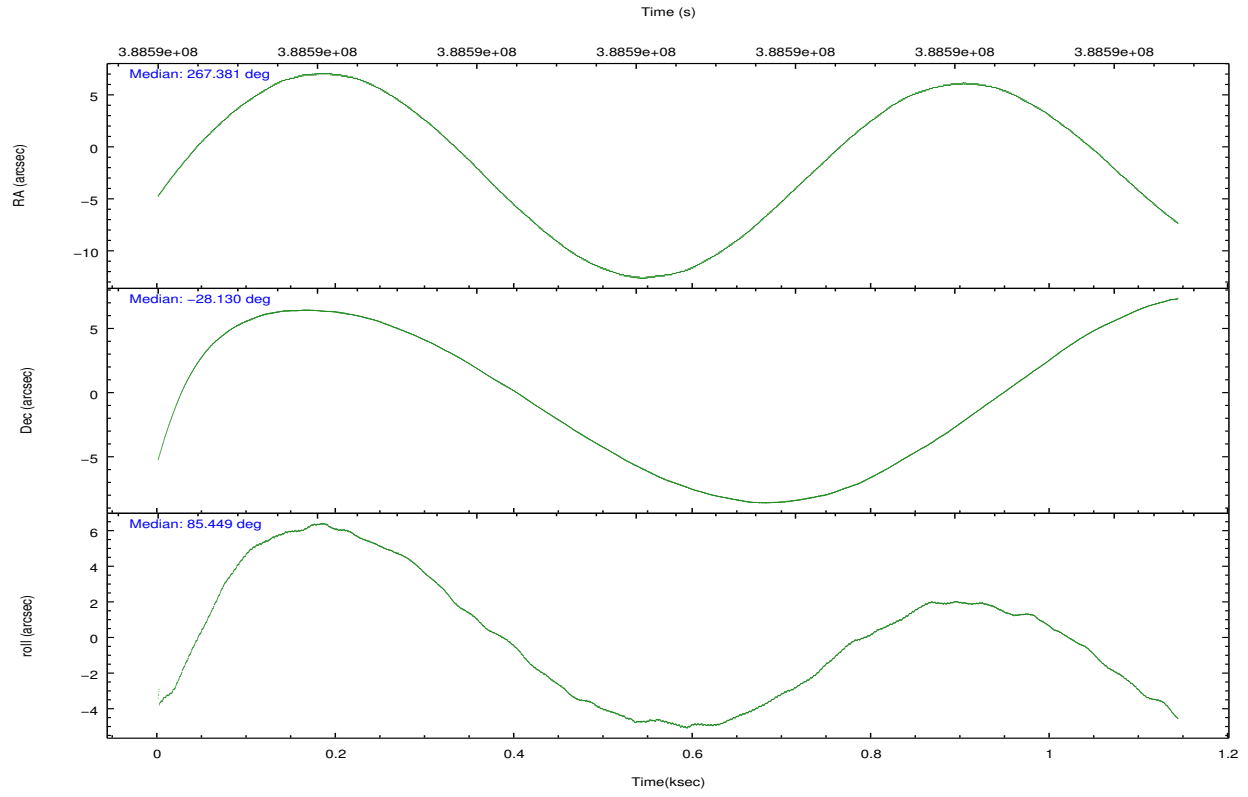
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	841	2333	80	149	179	89
	23%	44%	3%	6%	5%	4%
grade 1 events	2	7	0	4	2	0
	0%	0%	0%	0%	0%	0%
grade 2 events	62	464	45	245	165	47
	1%	8%	2%	10%	5%	2%
grade 3 events	55	81	48	156	72	54
	1%	1%	2%	6%	2%	2%
grade 4 events	51	108	37	126	60	49
	1%	2%	1%	5%	1%	2%
grade 5 events	101	248	78	250	120	90
	2%	4%	3%	10%	3%	4%
grade 6 events	45	688	53	520	231	46
	1%	13%	2%	21%	7%	2%
grade 7 events	2355	1268	1881	998	2393	1689
	67%	24%	84%	40%	74%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	267.394288	267.3809491664058	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-28.155156	-28.13049699166113	Subarray start row	449	449
[deg] Pointing Roll	85.308492	85.458794942552	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.7
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	388586609.184000	388585520.08846			
Observation start date	2010-04-25T12:42:23	2010-04-25T12:25:20			
[s] Observation end time (MET)	388587609.184000	388588463.37611			
Observation end date	2010-04-25T12:59:03	2010-04-25T13:14:23			
Read mode	TIMED	TIMED			

2.3 Aspect



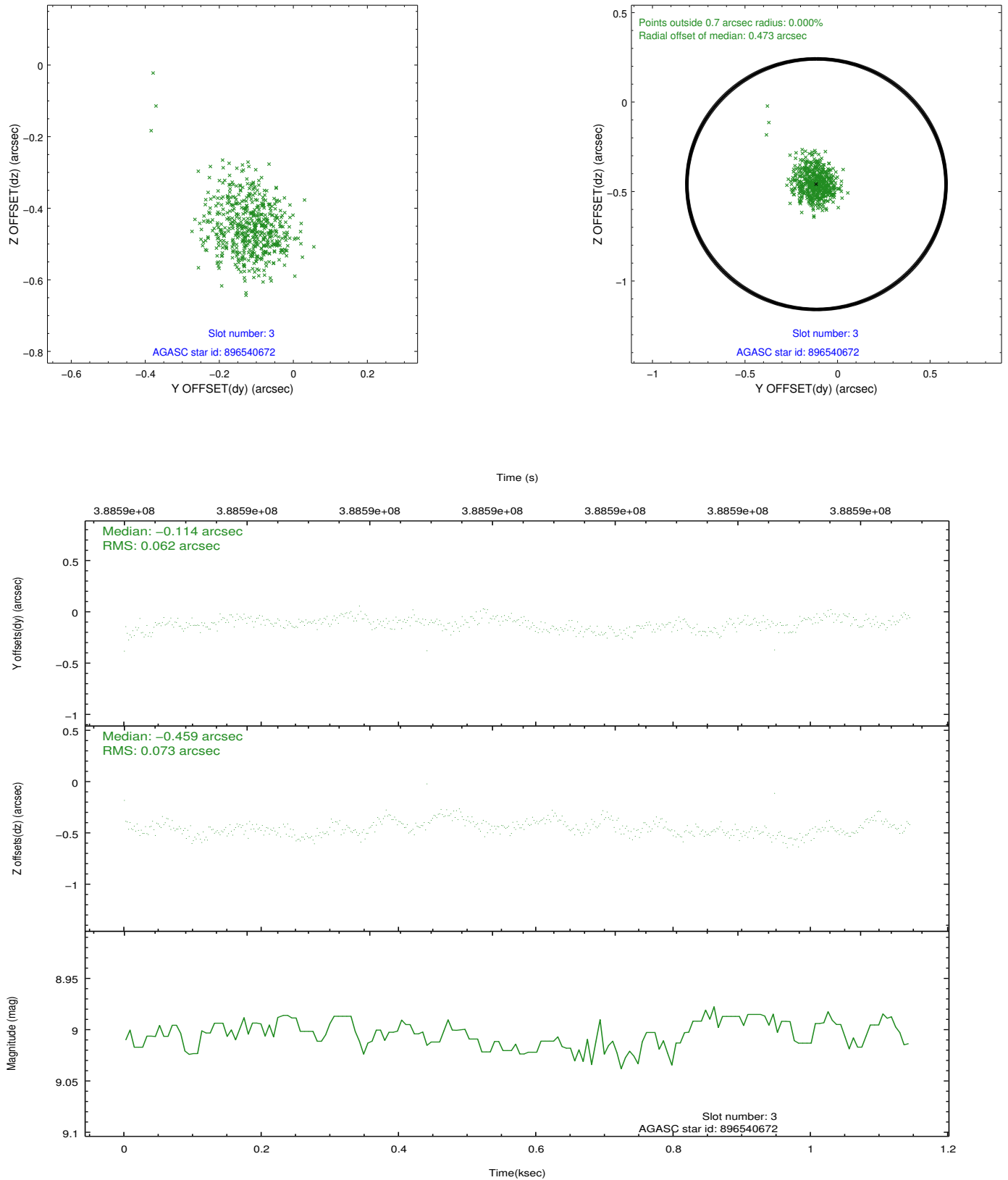


Slot Statistics

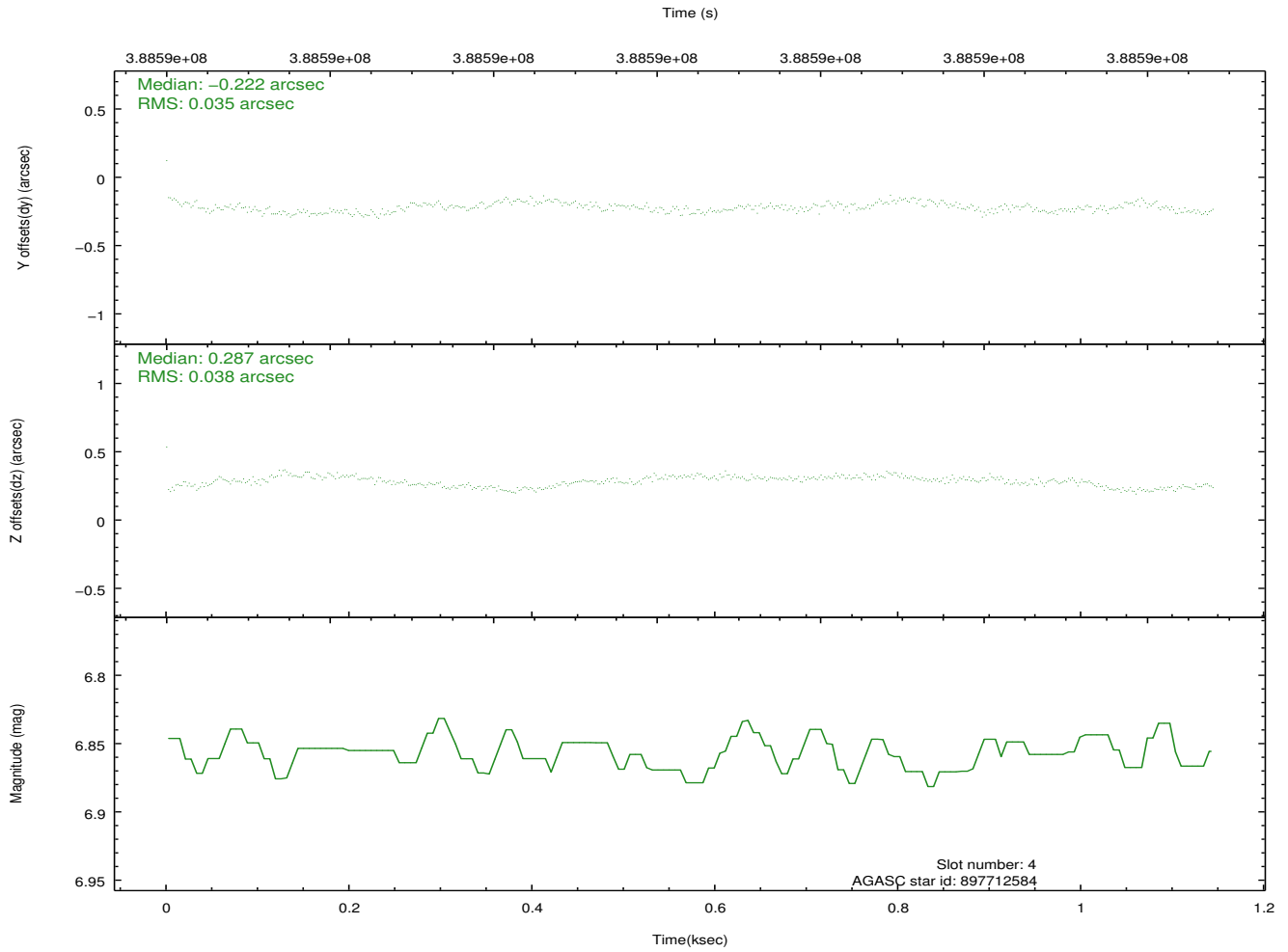
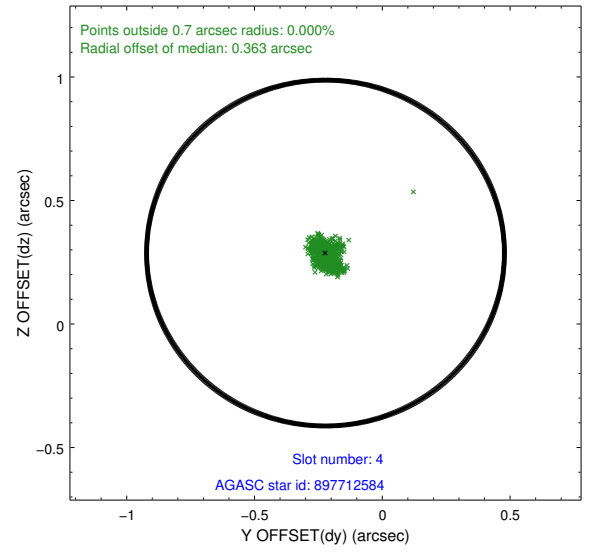
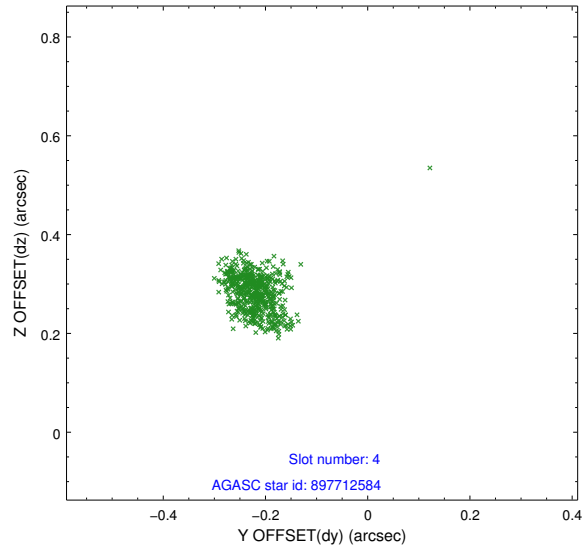
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.99	279	-0.081	-0.042	0.007	0.012	0.000000	0.000000	-767.50	-1735.92
1	FID	ACIS-S-4	7.08	279	0.198	0.051	0.005	0.011	0.000000	0.000000	2143.36	166.61
2	FID	ACIS-S-5	7.10	279	-0.148	-0.000	0.007	0.012	0.000000	0.000000	-1812.94	166.84
3	GUIDE	896540672	9.00	558	-0.114	-0.459	0.098	0.159	266.662941	-28.185372	-306.13	2304.27
4	GUIDE	897712584	6.86	559	-0.222	0.287	0.053	0.085	268.003029	-28.022394	628.91	-1883.47
5	GUIDE	897717672	8.79	559	-0.160	0.313	0.120	0.180	268.052891	-27.822138	1361.65	-1993.73
6	GUIDE	896538840	8.91	559	0.255	-0.021	0.072	0.123	266.920426	-28.466925	-1243.10	1399.90
7	GUIDE	896541576	8.17	556	0.236	-0.122	0.053	0.092	267.051055	-28.762912	-2273.32	903.96

2.4 Star Slots

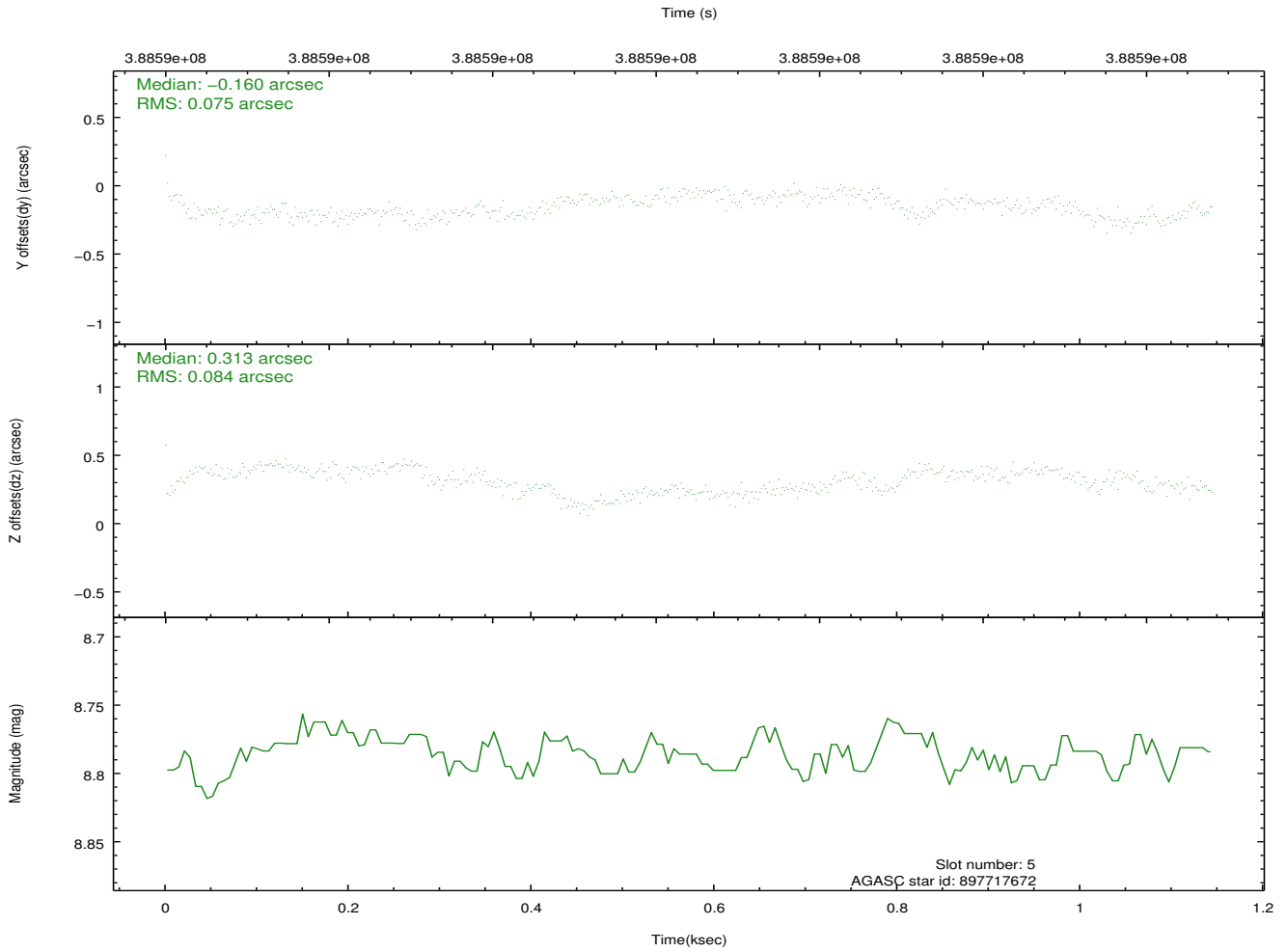
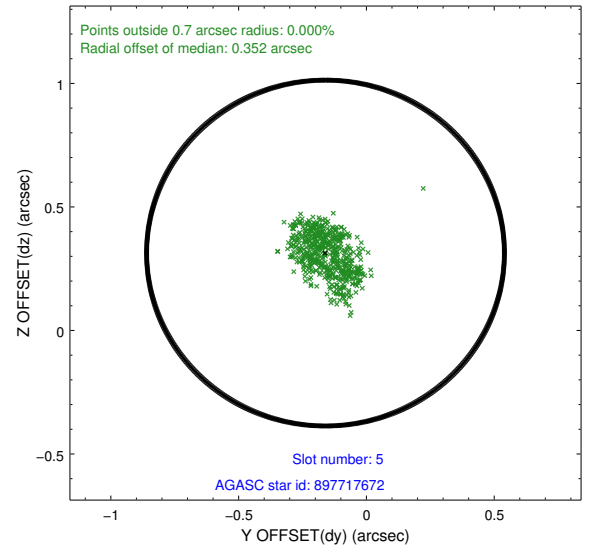
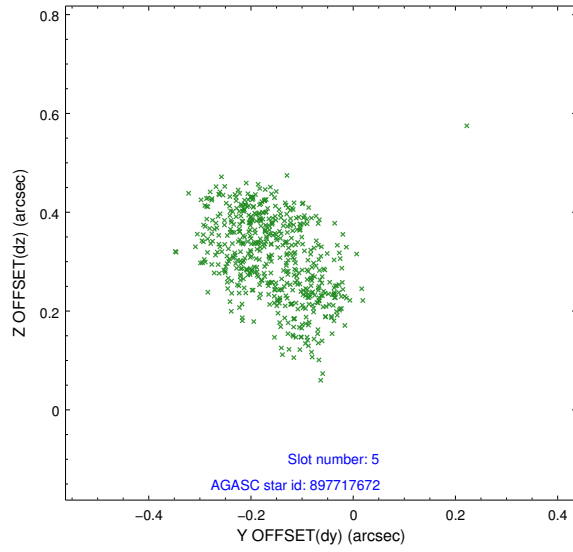
2.4.1 Slot 3



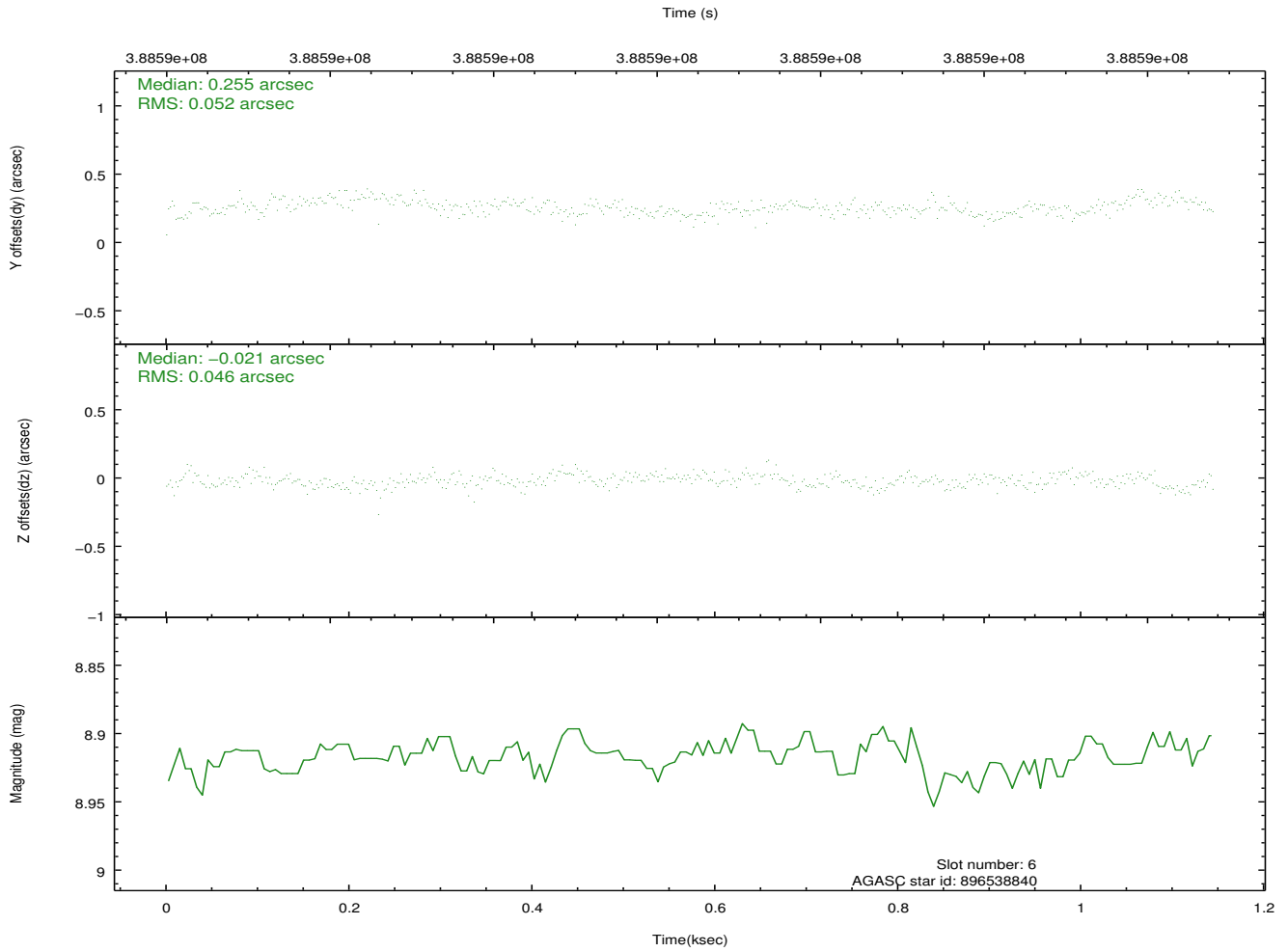
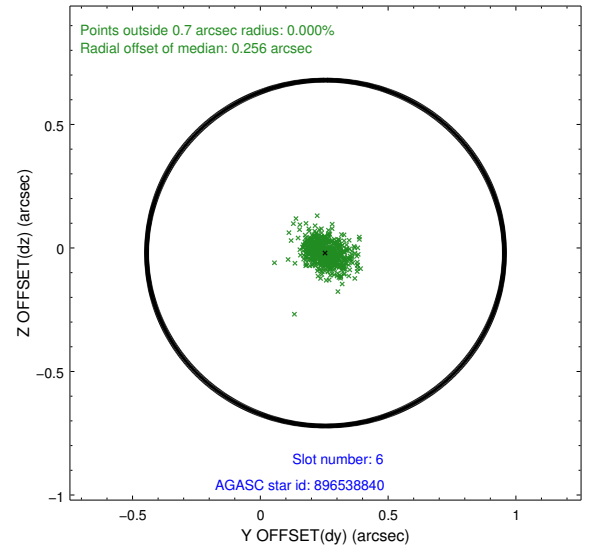
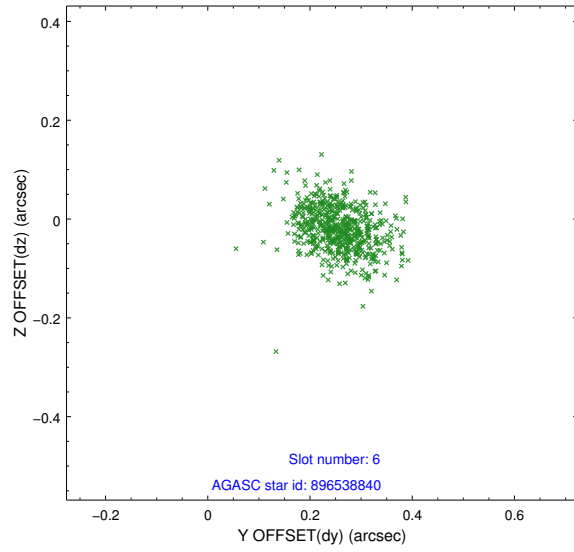
2.4.2 Slot 4



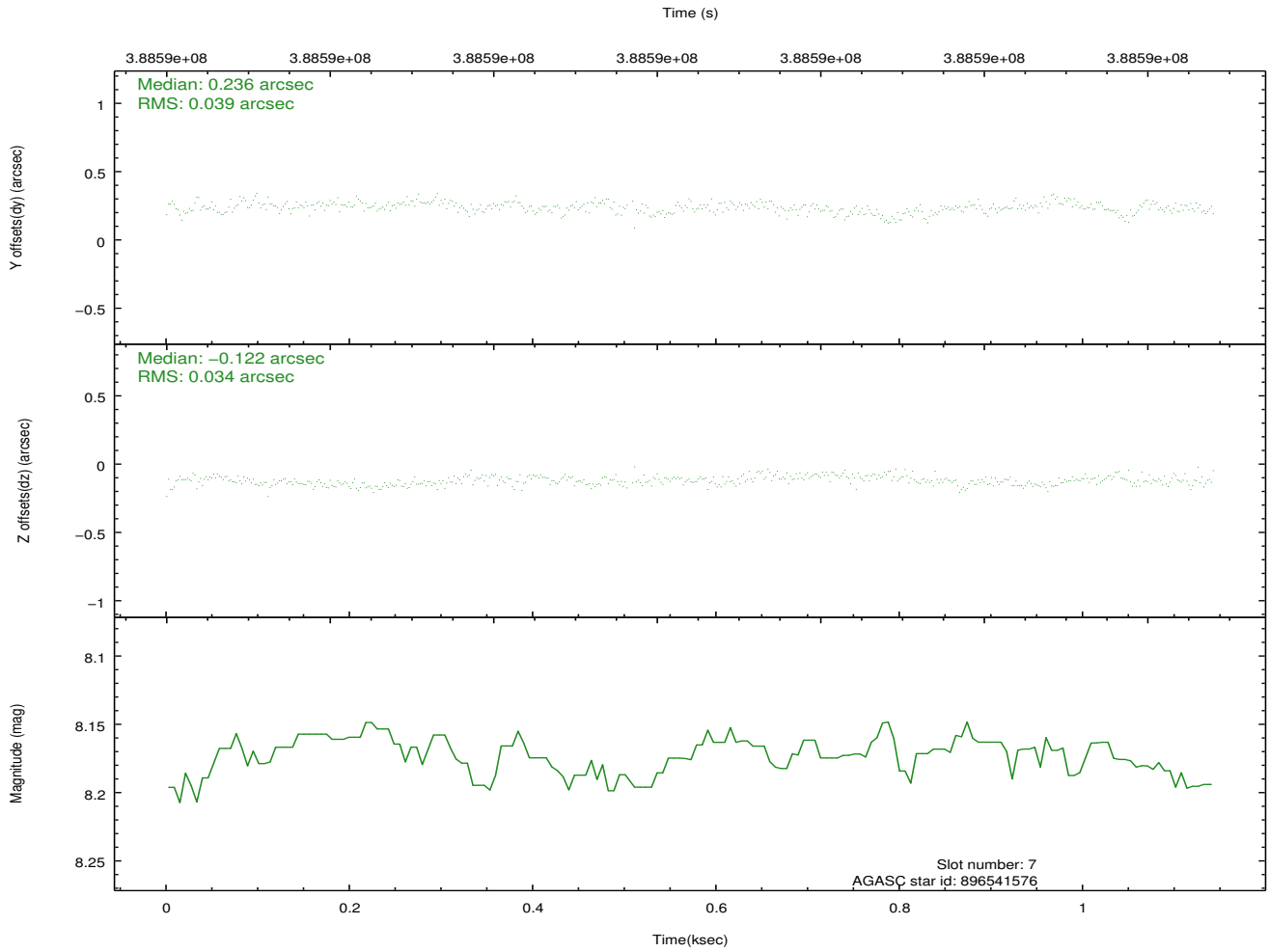
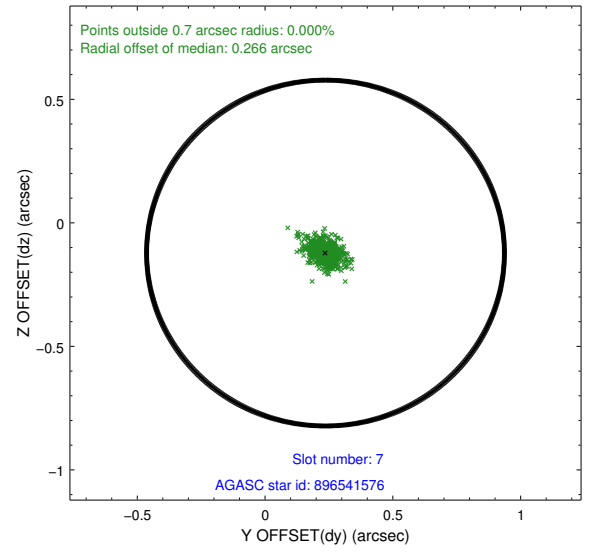
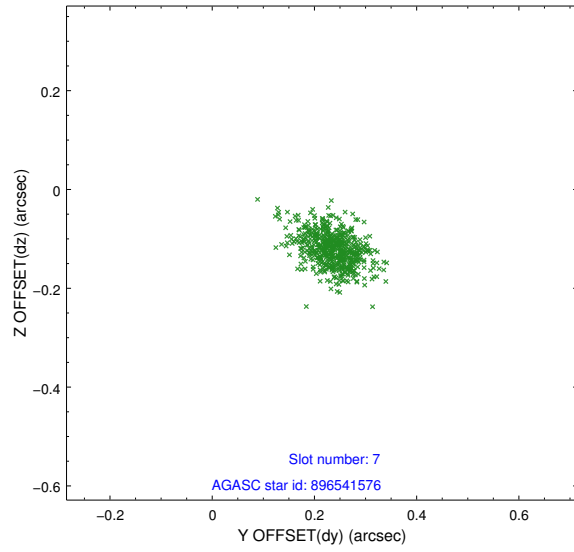
2.4.3 Slot 5



2.4.4 Slot 6

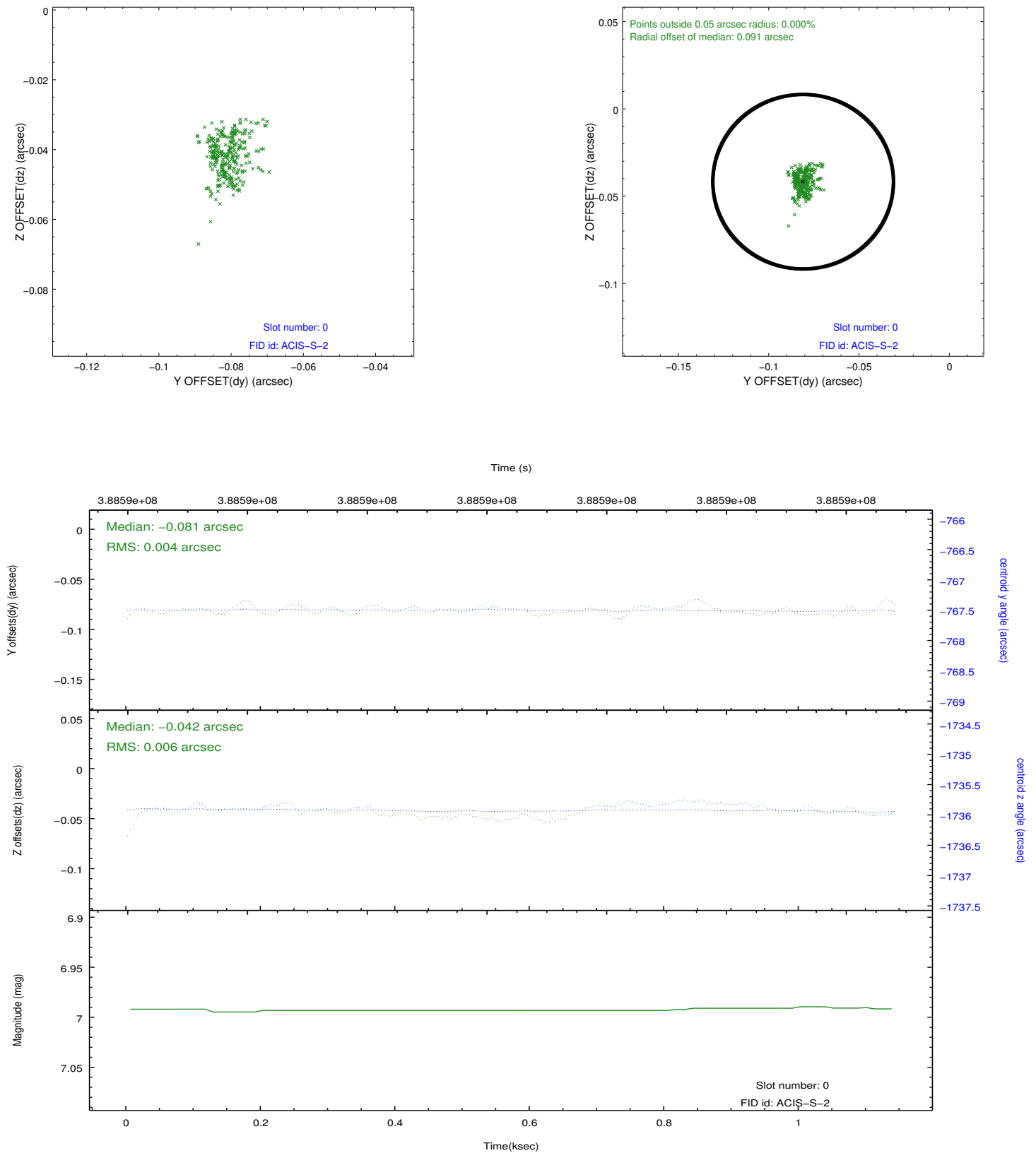


2.4.5 Slot 7

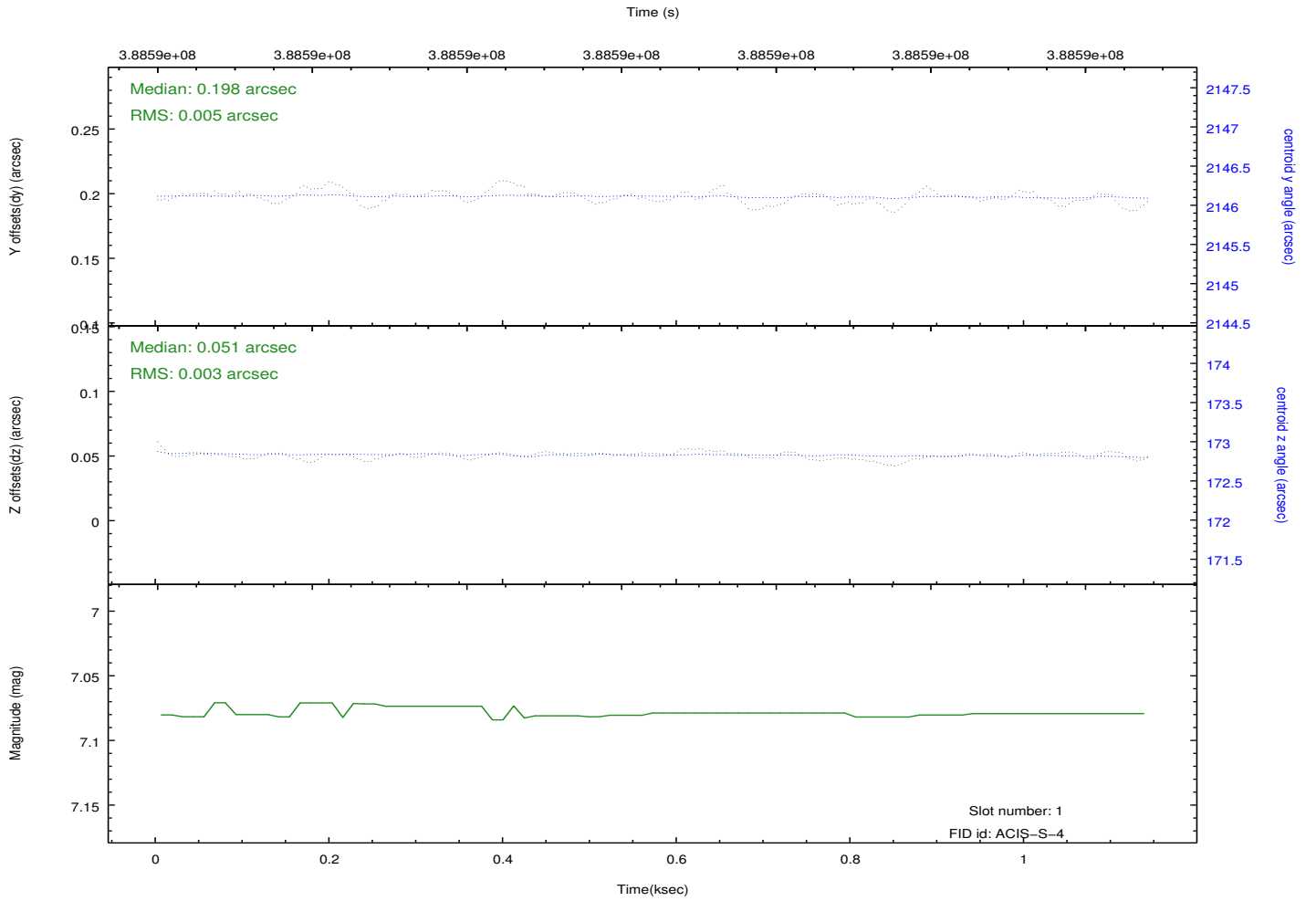
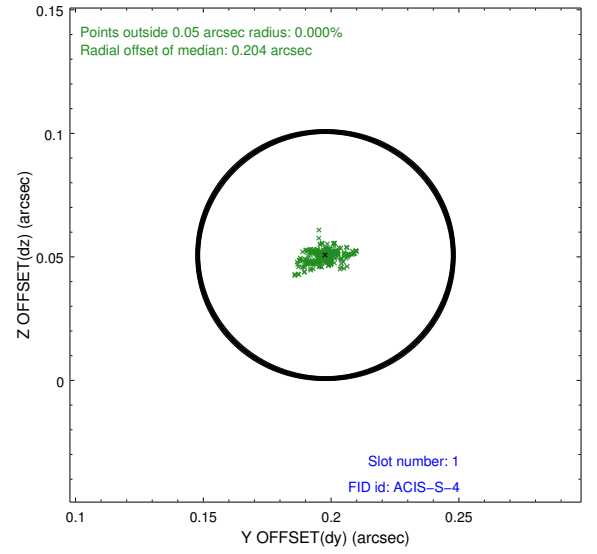
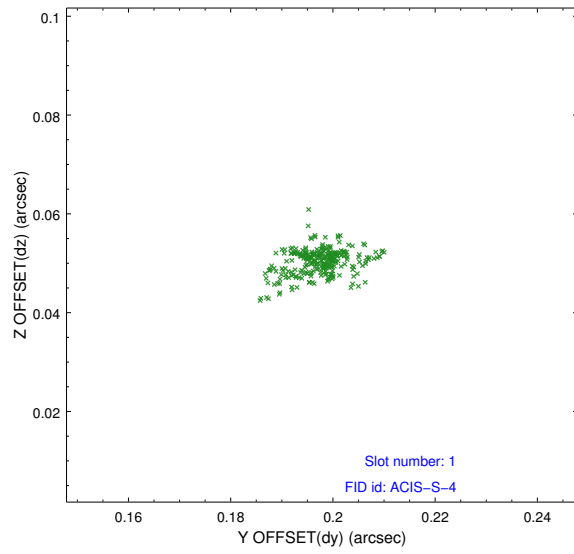


2.5 FID Slots

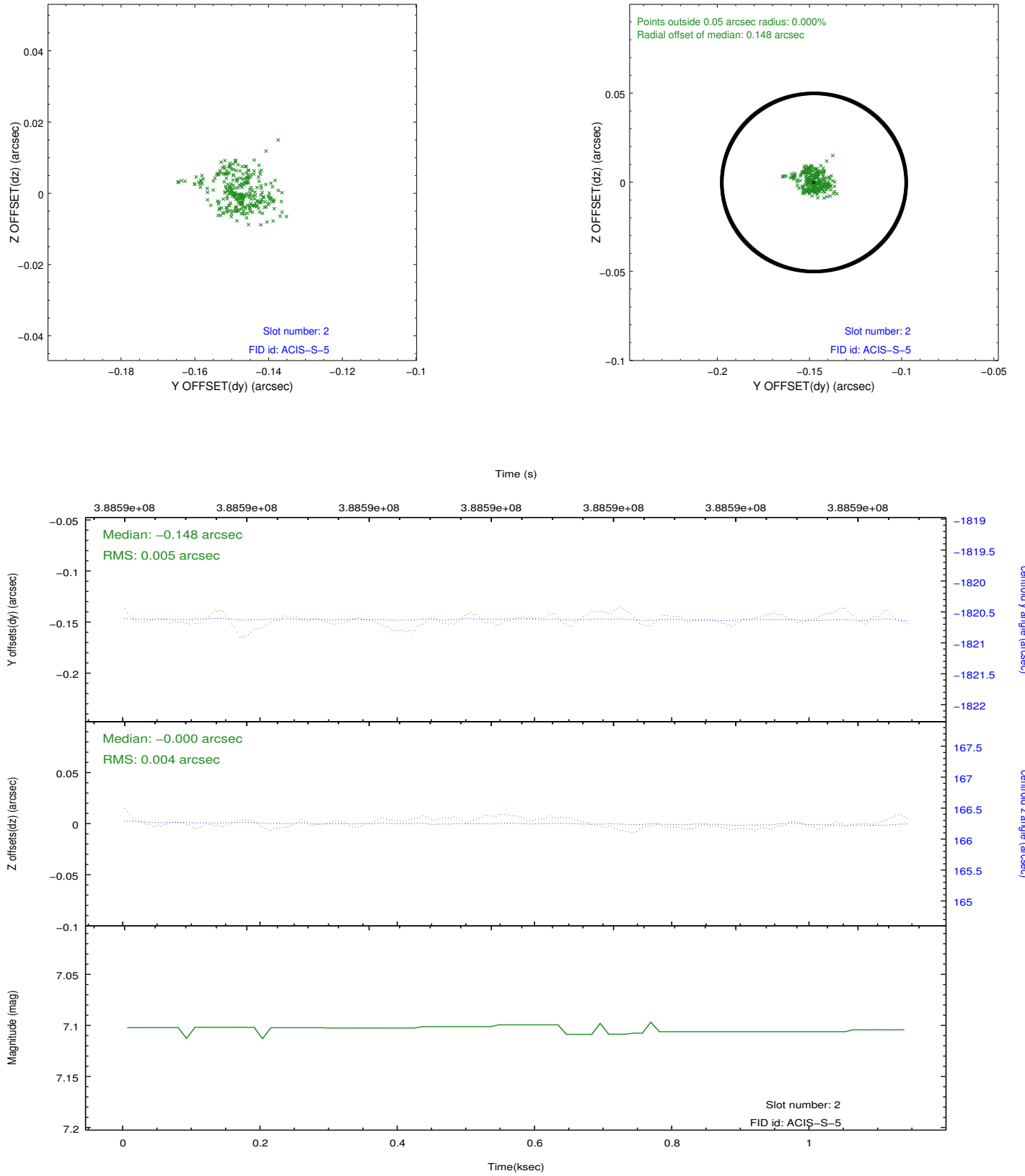
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	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	1.1430999804735

A.2 Comments