

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18426 - L2 Version 1
Chandra X-Ray Center

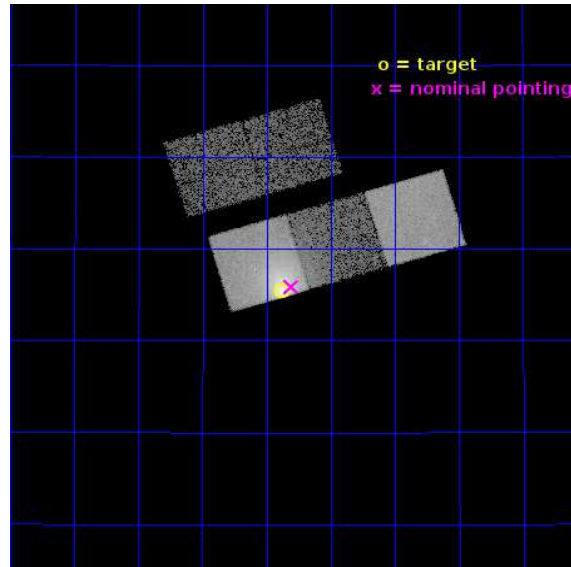
L2 Processing Date : Apr 8 2016

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1 Front

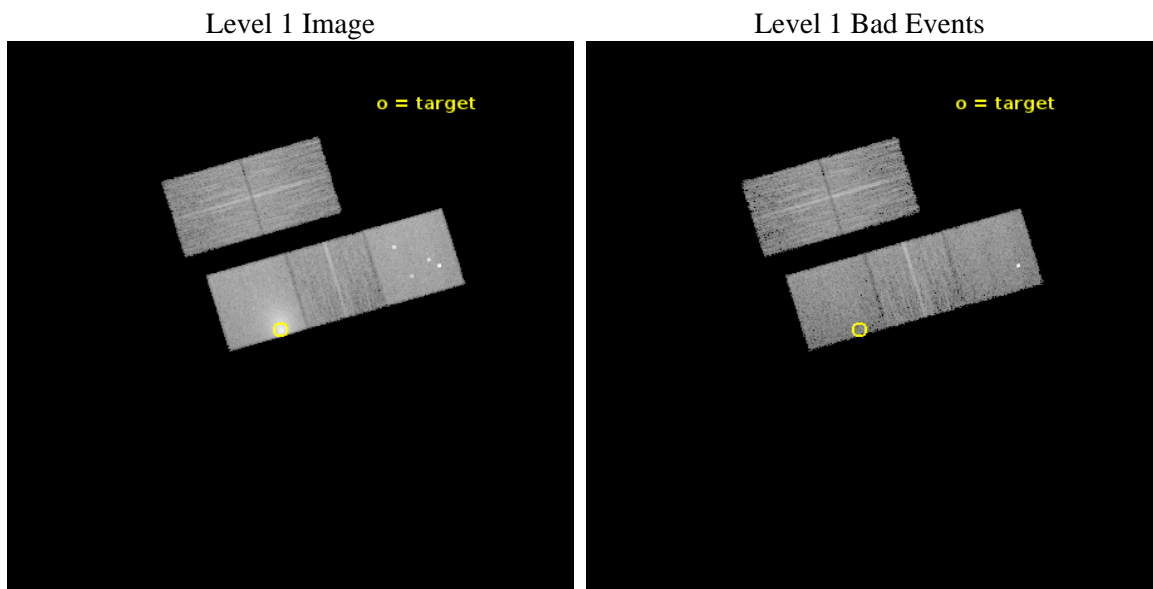
seq_num	890119	Sequence number
obs_id	18426	Observation id
title	AO-17 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.2016655028	Nominal RA [deg]
dec_nom	26.598226302098	Nominal Dec [deg]
roll_nom	163.36375731861	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10062.60007751	Sum of GTIs [s]
livetime	9931.1247995188	Livetime [s]
ontime2	10062.60007751	Sum of GTIs [s]
ontime3	10062.60007751	Sum of GTIs [s]
ontime5	10062.60007751	Sum of GTIs [s]
ontime6	10062.60007751	Sum of GTIs [s]
ontime7	10062.60007751	Sum of GTIs [s]
l2events	159460	Number of level 2 events



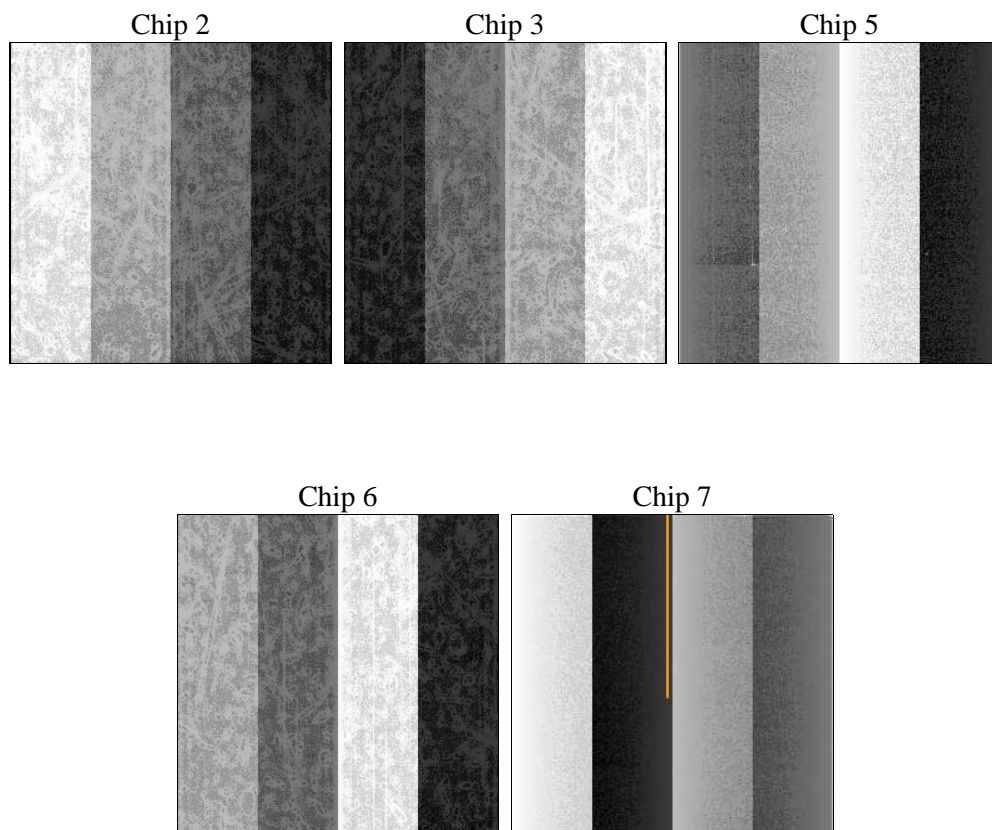
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	10062.60007751	Sum of GTIs [s]
caldsver	4.7.1	 	ontime2	10062.60007751	Sum of GTIs [s]
date	2016-04-09T01:59:42	Date and time of file creation	ontime3	10062.60007751	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	10062.60007751	Sum of GTIs [s]
			ontime6	10062.60007751	Sum of GTIs [s]
			ontime7	10062.60007751	Sum of GTIs [s]
			l1events	438277	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	64126	60195	106900	66998	140058
rejected events	56948	53412	54939	56011	47254
rejected %	88%	88%	51%	83%	33%

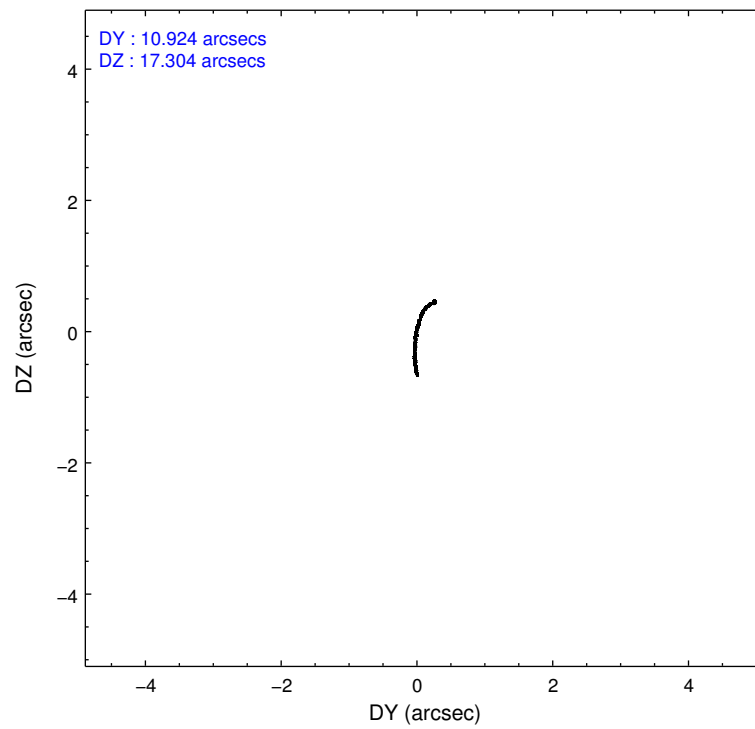
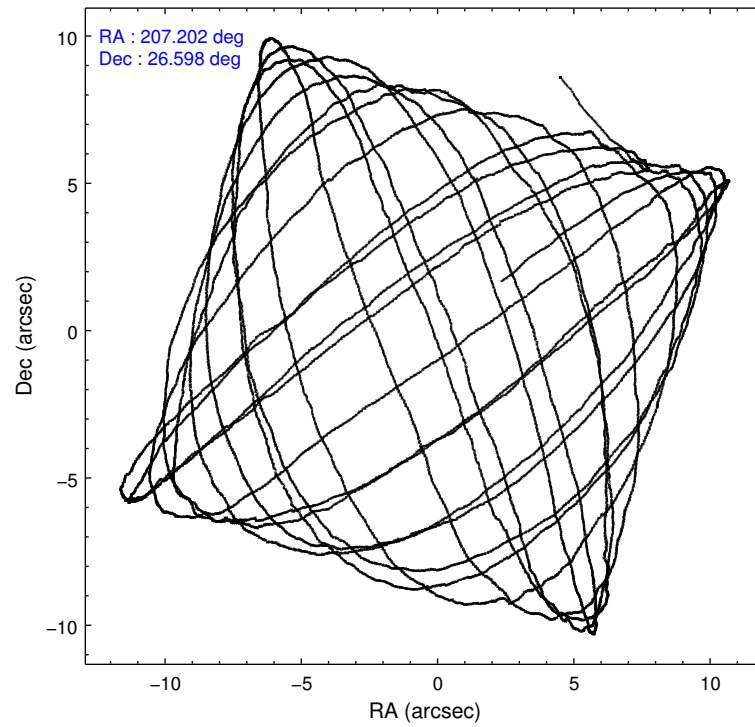
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2623	2499	6938	5334	17596
	4%	4%	6%	7%	12%
grade 1 events	37	38	209	47	125
	0%	0%	0%	0%	0%
grade 2 events	1782	1485	15620	2089	22494
	2%	2%	14%	3%	16%
grade 3 events	646	711	1556	923	9490
	1%	1%	1%	1%	6%
grade 4 events	805	690	1528	835	9439
	1%	1%	1%	1%	6%
grade 5 events	2536	3003	7370	3157	8700
	3%	4%	6%	4%	6%
grade 6 events	1325	1398	26333	1808	33815
	2%	2%	24%	2%	24%
grade 7 events	54372	50371	47346	52805	38399
	84%	83%	44%	78%	27%

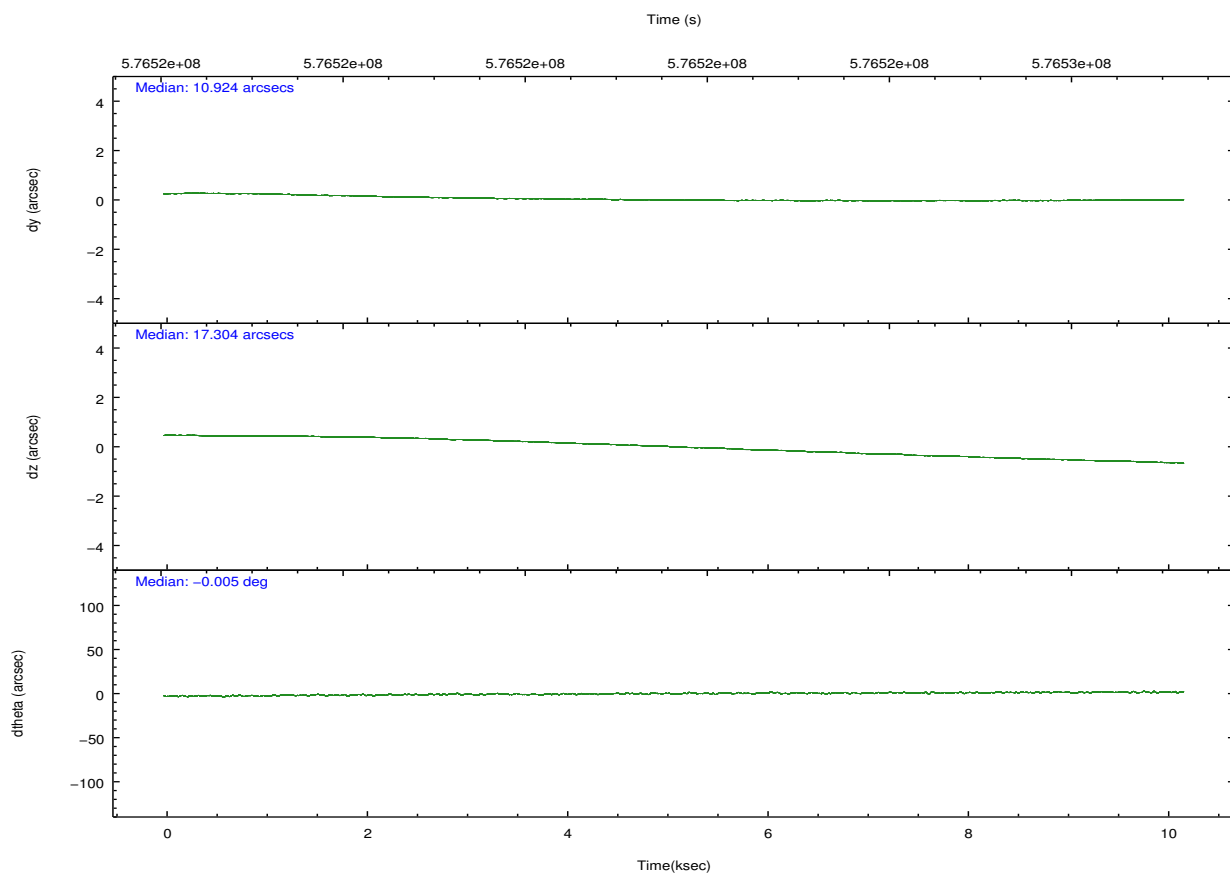
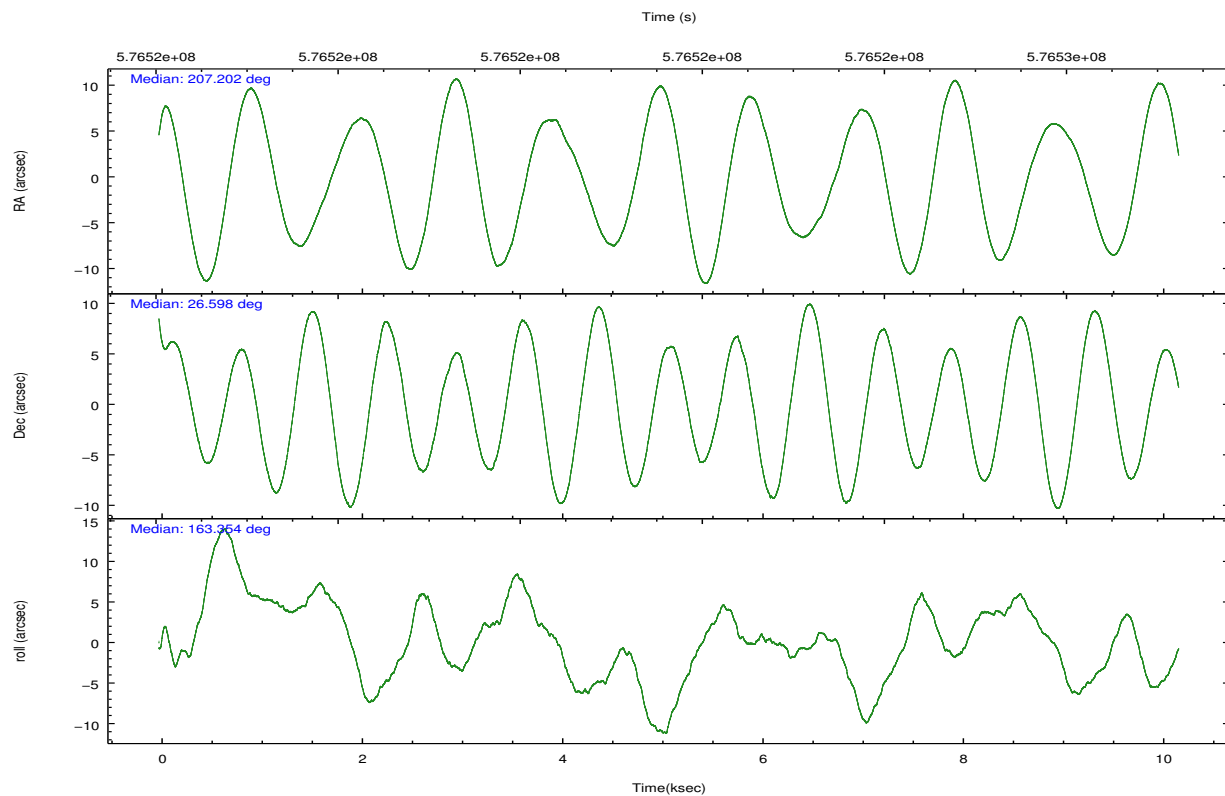
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23567	ACIS-23567
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	207.231394	207.2016655028004
[deg] Pointing Dec	26.604895	26.59822630209786
[deg] Pointing Roll	163.193824	163.3637573186143
[s] Window start time (MET)	575856068.184000	575856068.184000
[s] Window stop time (MET)	578361668.184000	578361668.184000
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-180.332523	-180.3266934278832
[mm] SIM translation stage offset	-9.800000000000001	-9.805829155124599
[s] Observation start time (MET)	576516695.184000	576515483.78558
Observation start date	2016-04-08T15:30:27	2016-04-08T15:11:23
[s] Observation end time (MET)	576526695.184000	576526828.99872
Observation end date	2016-04-08T18:17:07	2016-04-08T18:20:28
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



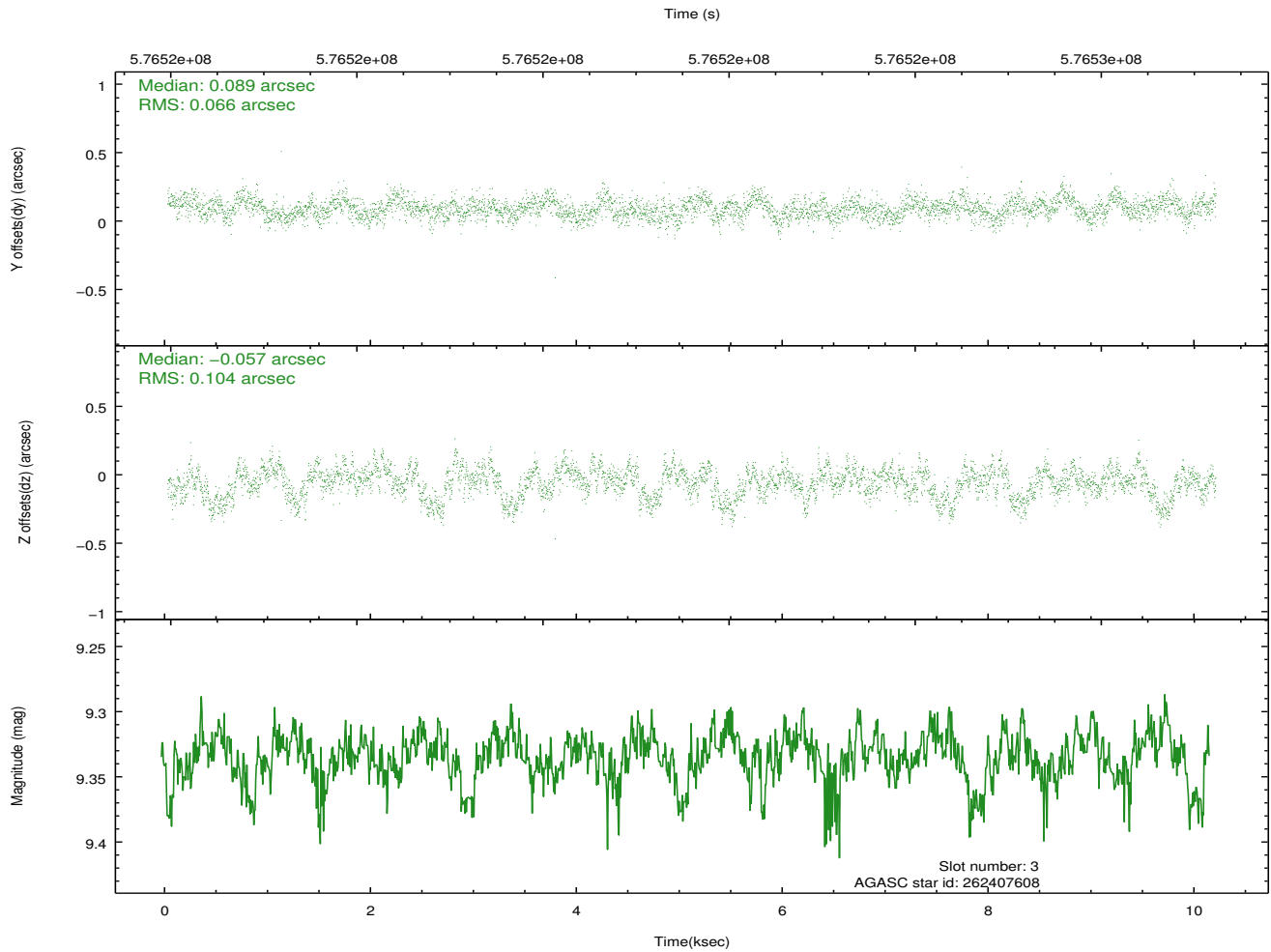
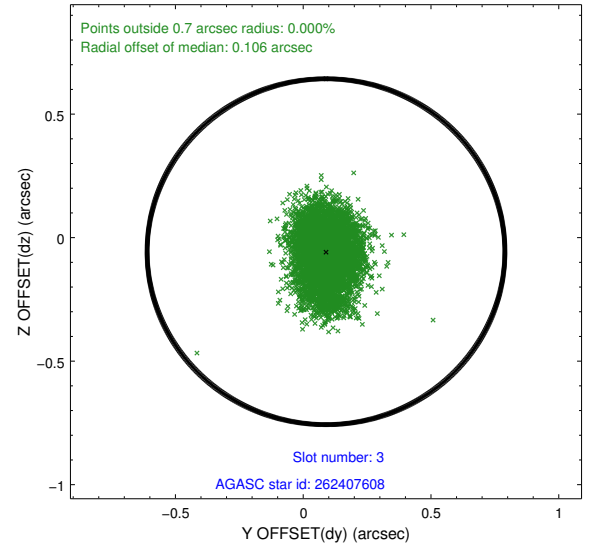
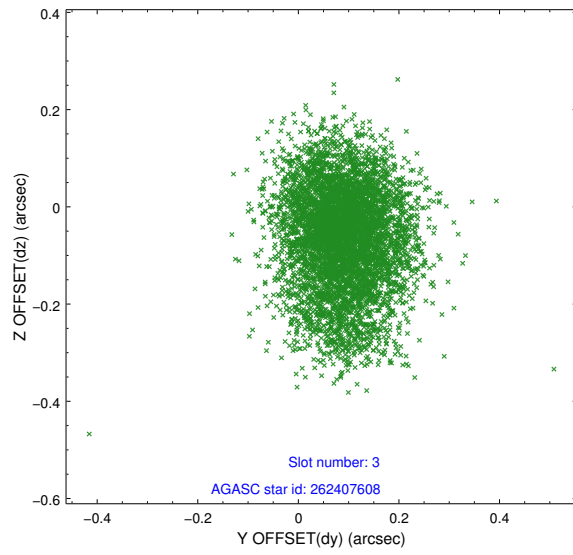


Slot Statistics

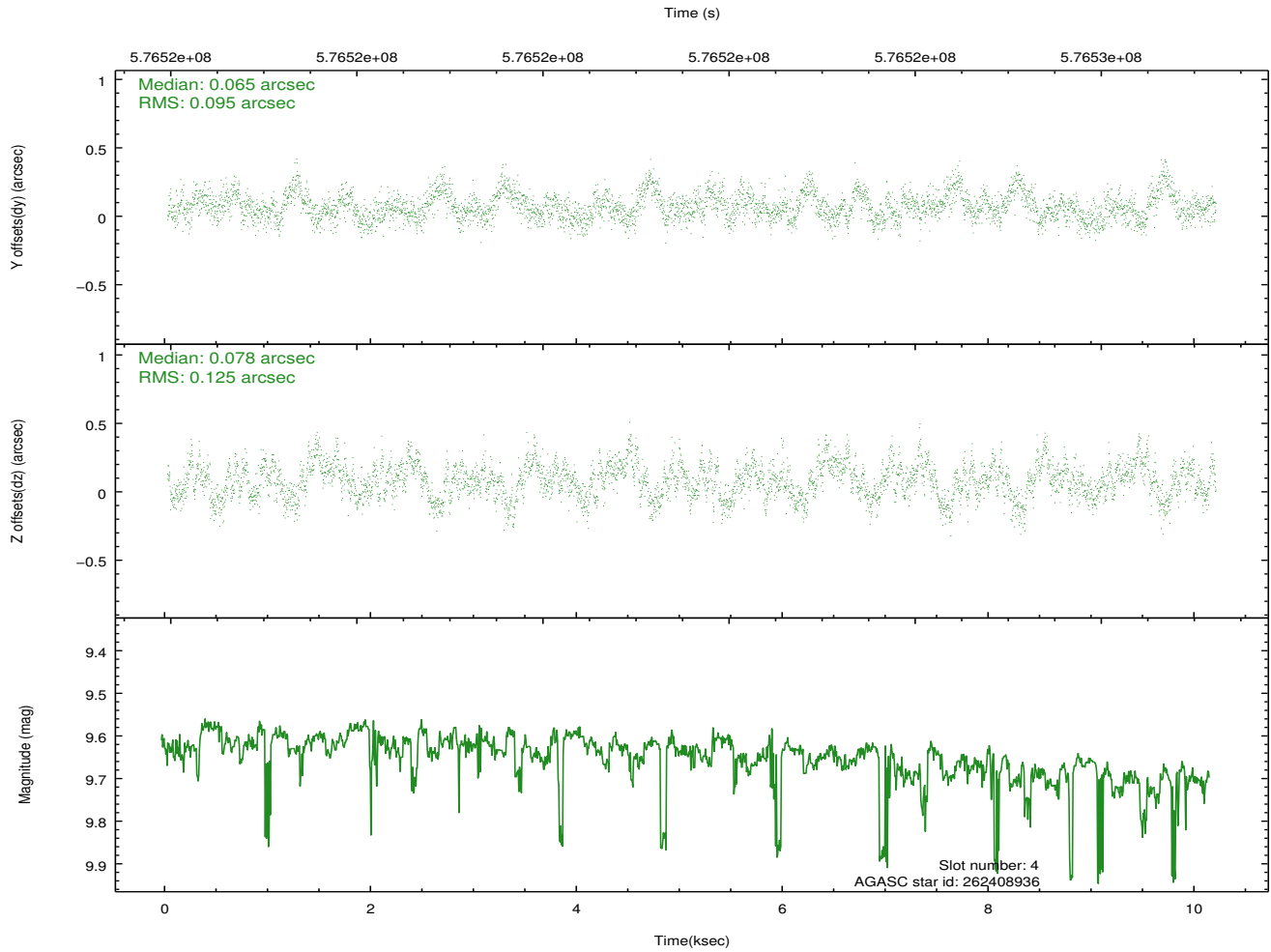
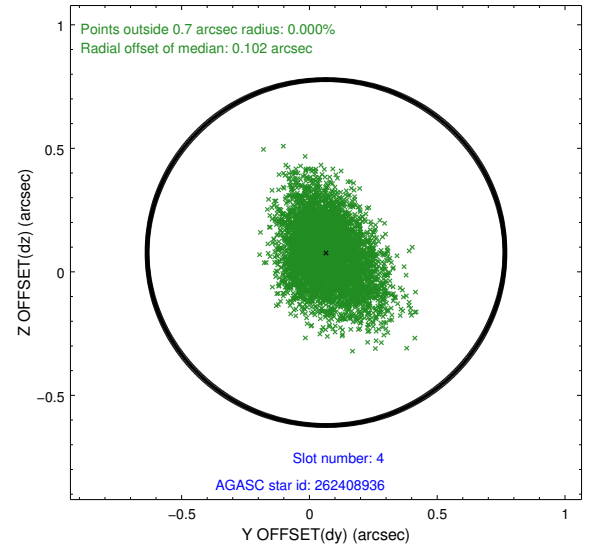
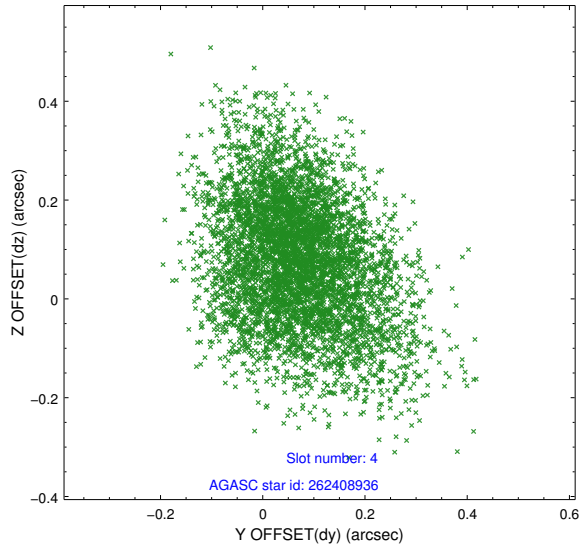
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.18	2484	0.168	0.179	0.011	0.019	0.000000	0.000000	933.08	-1936.10
1	FID		ACIS-S-2	7.09	2484	-0.299	-0.180	0.014	0.023	0.000000	0.000000	-763.00	-1941.62
2	FID		ACIS-S-6	7.44	2484	0.111	0.006	0.011	0.018	0.000000	0.000000	398.45	604.43
3	GUIDE	used	262407608	9.33	4965	0.089	-0.057	0.129	0.219	207.378401	26.435507	-629.75	446.74
4	GUIDE	used	262408936	9.64	4959	0.065	0.078	0.165	0.279	207.154731	26.726554	362.63	-347.31
5	GUIDE	used	262411960	9.64	4959	-0.085	-0.116	0.199	0.304	207.327895	25.881727	-1051.99	2401.79
6	GUIDE	used	262408512	7.98	4968	-0.009	0.247	0.081	0.130	207.800210	27.128796	-1197.67	-2335.41
7	GUIDE	used	262408096	9.31	4896	-0.075	-0.139	0.147	0.237	207.011678	26.515421	585.06	512.19

2.4 Star Slots

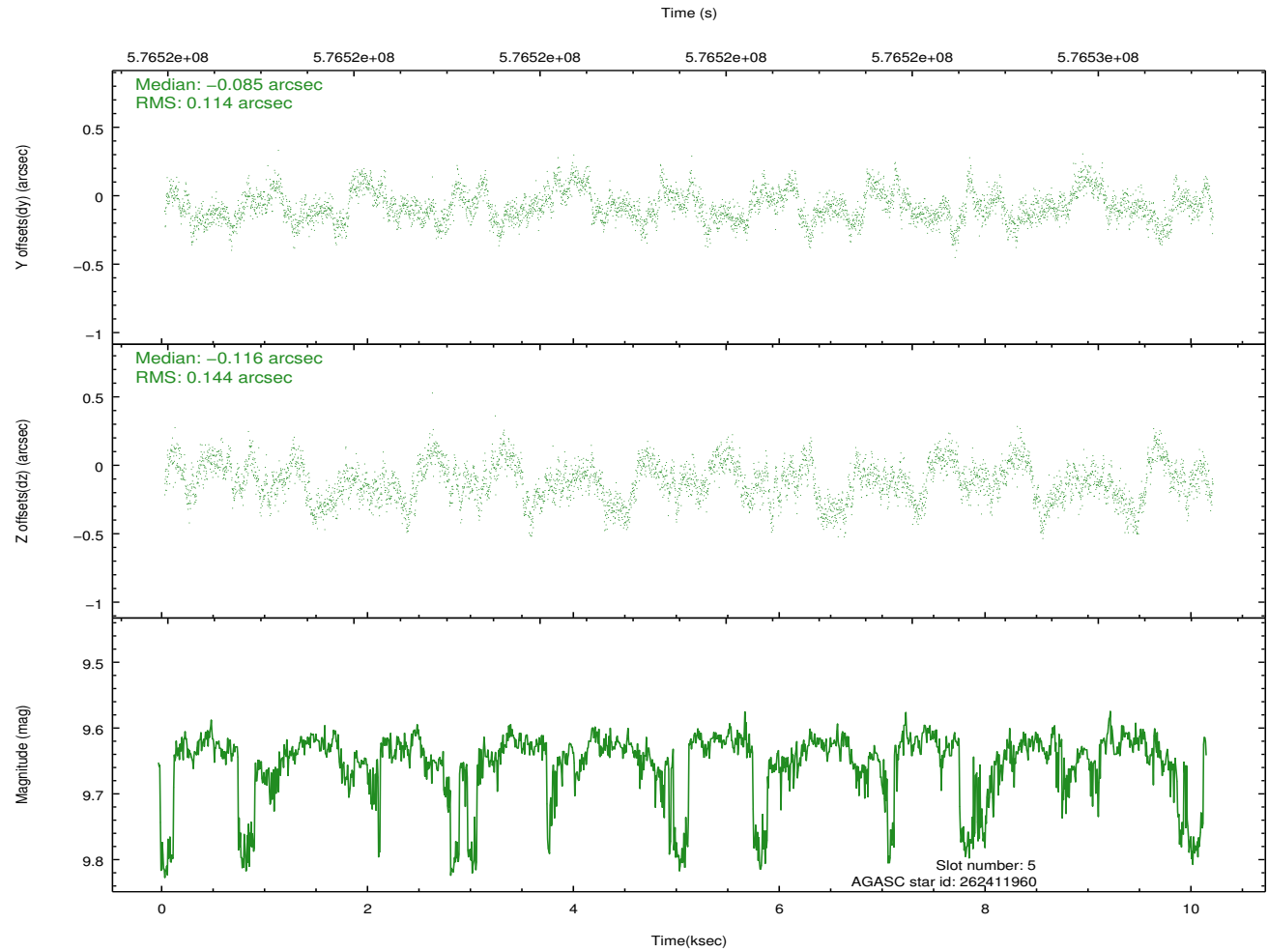
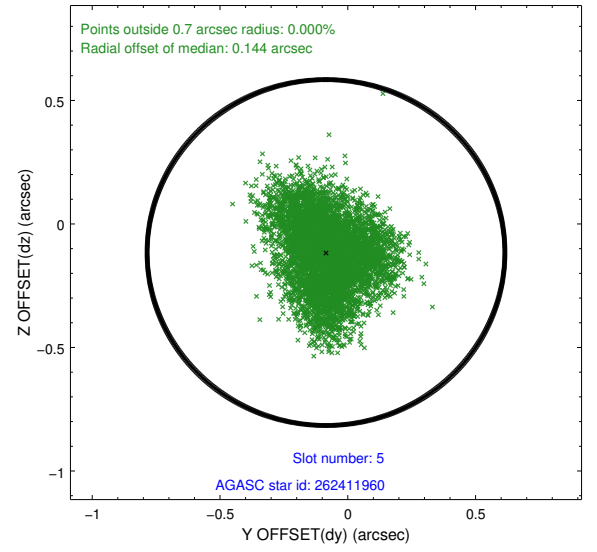
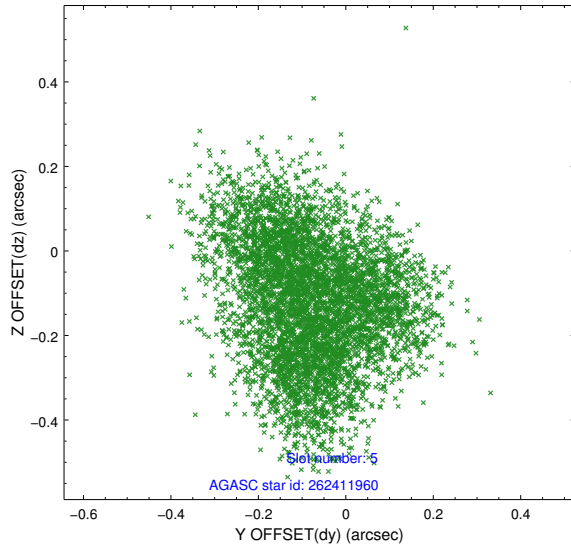
2.4.1 Slot 3



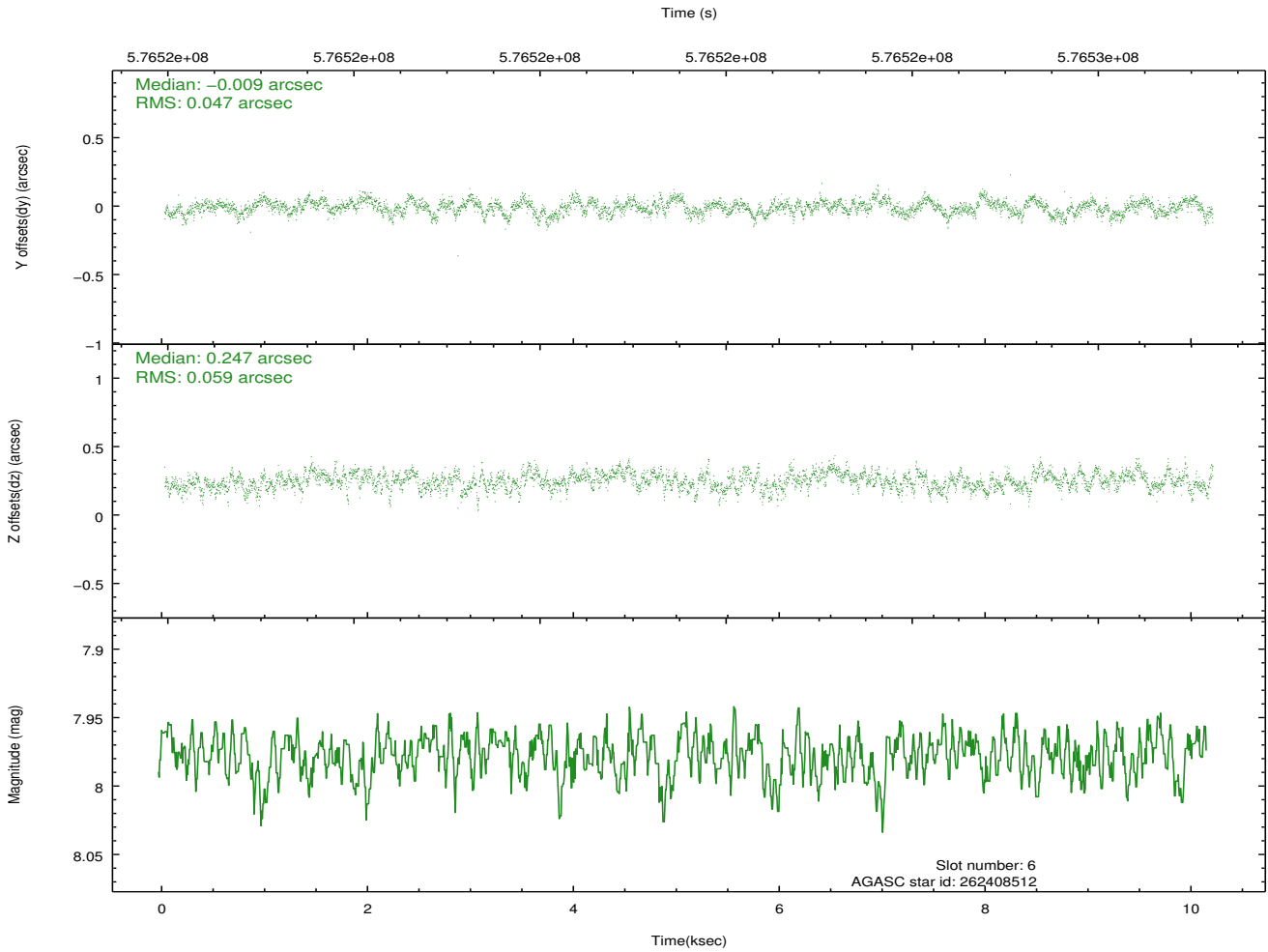
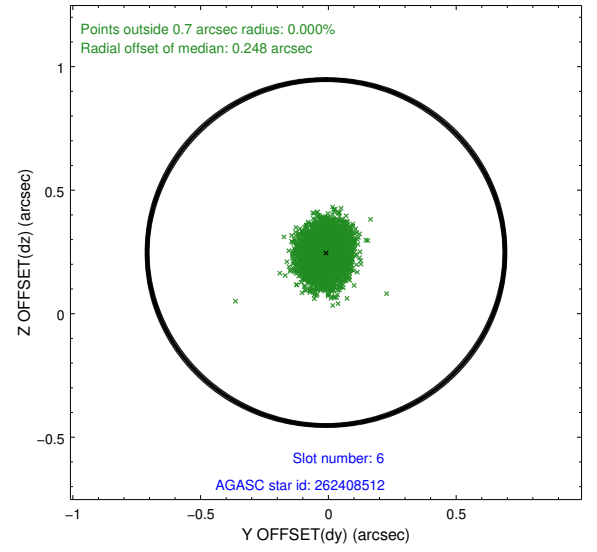
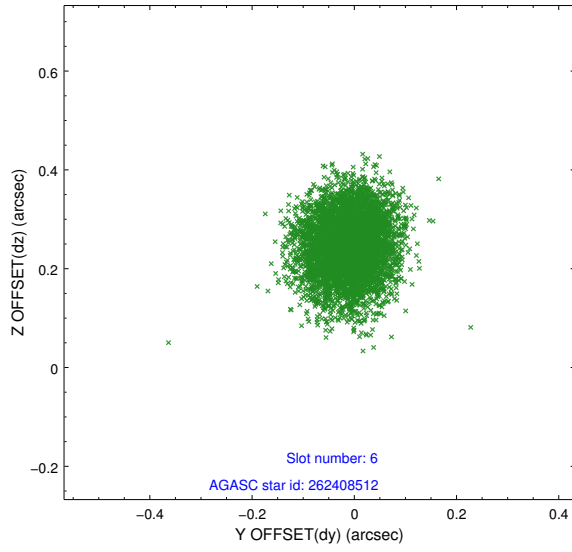
2.4.2 Slot 4



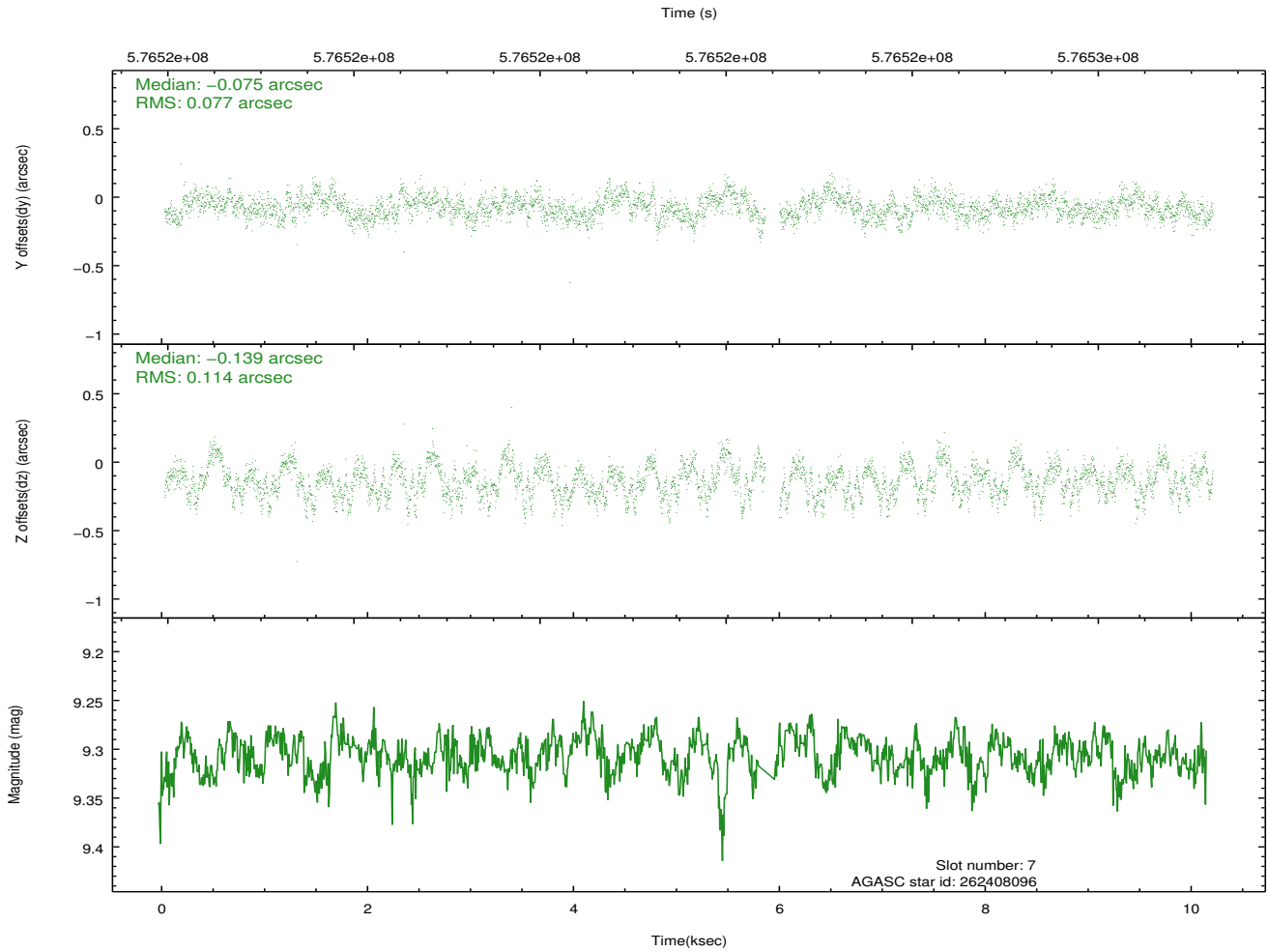
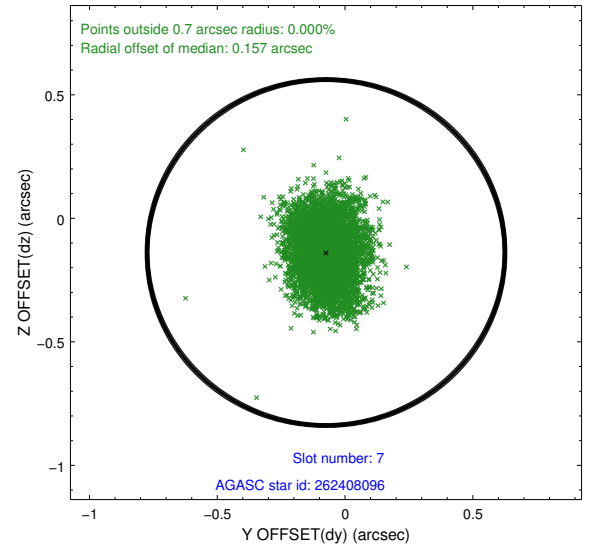
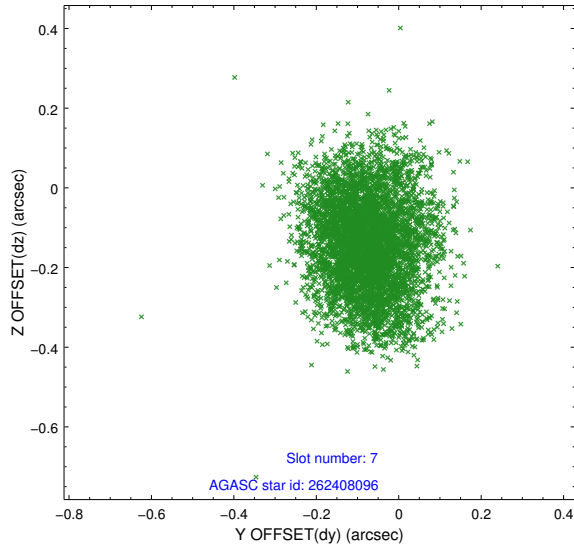
2.4.3 Slot 5



2.4.4 Slot 6

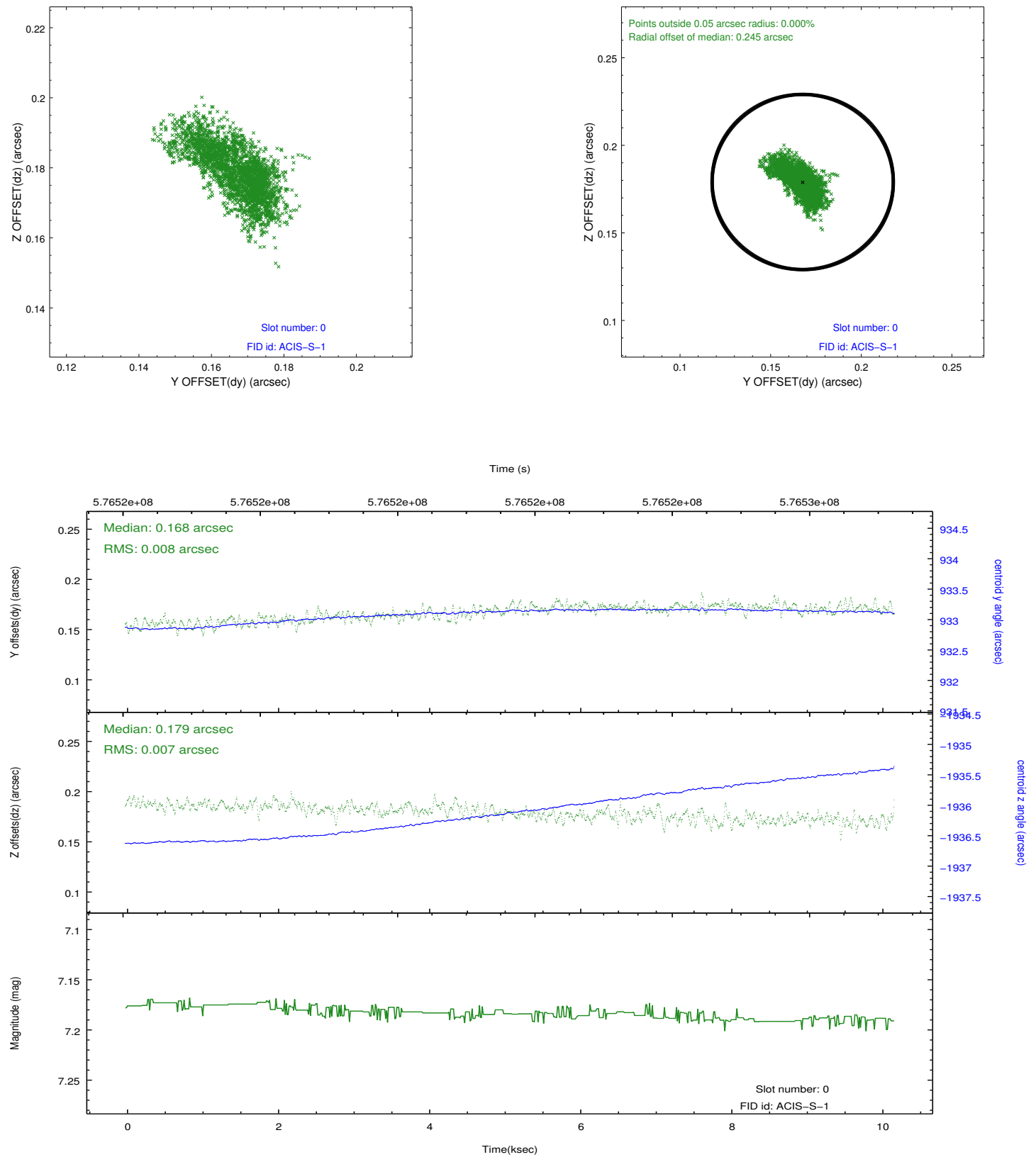


2.4.5 Slot 7

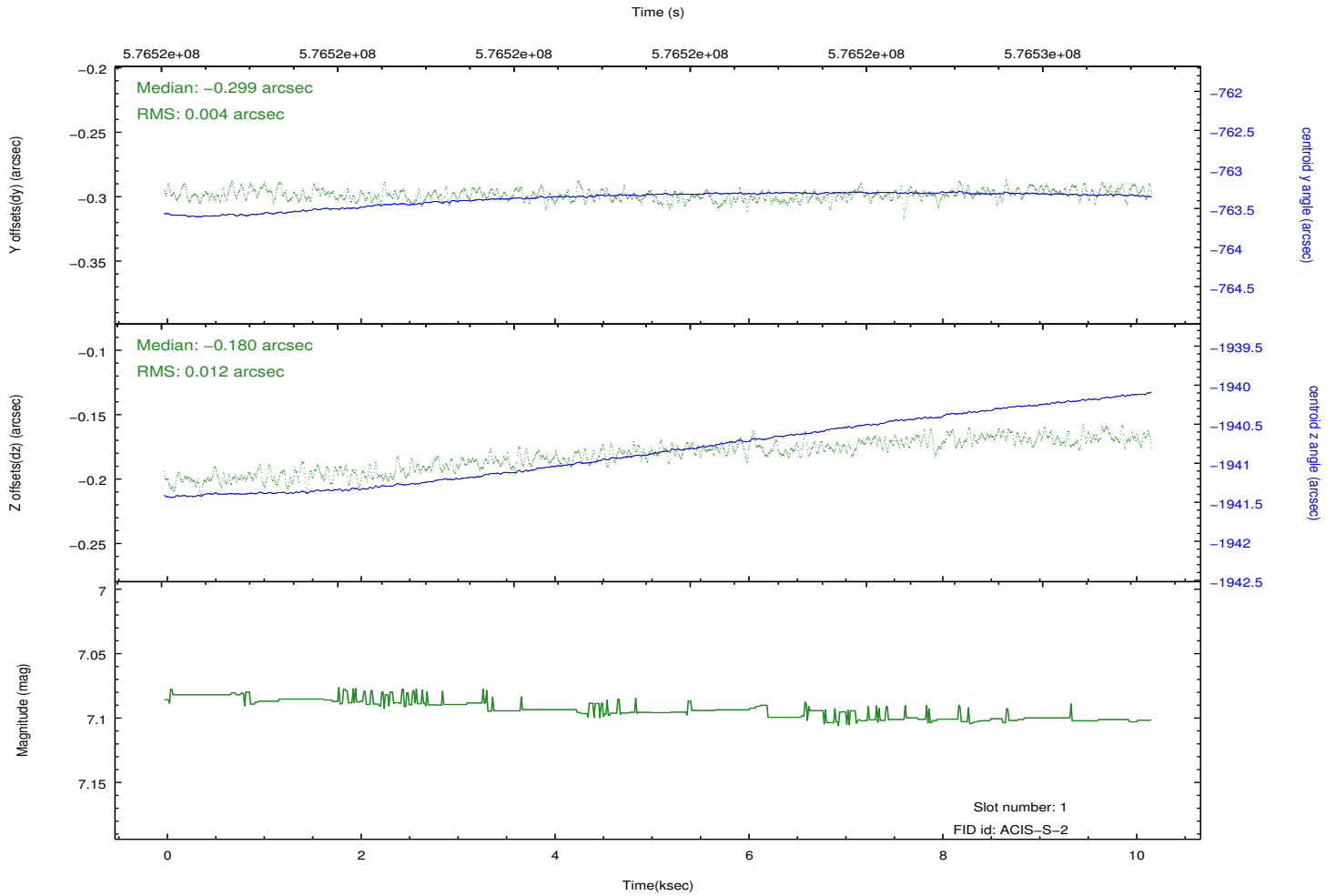
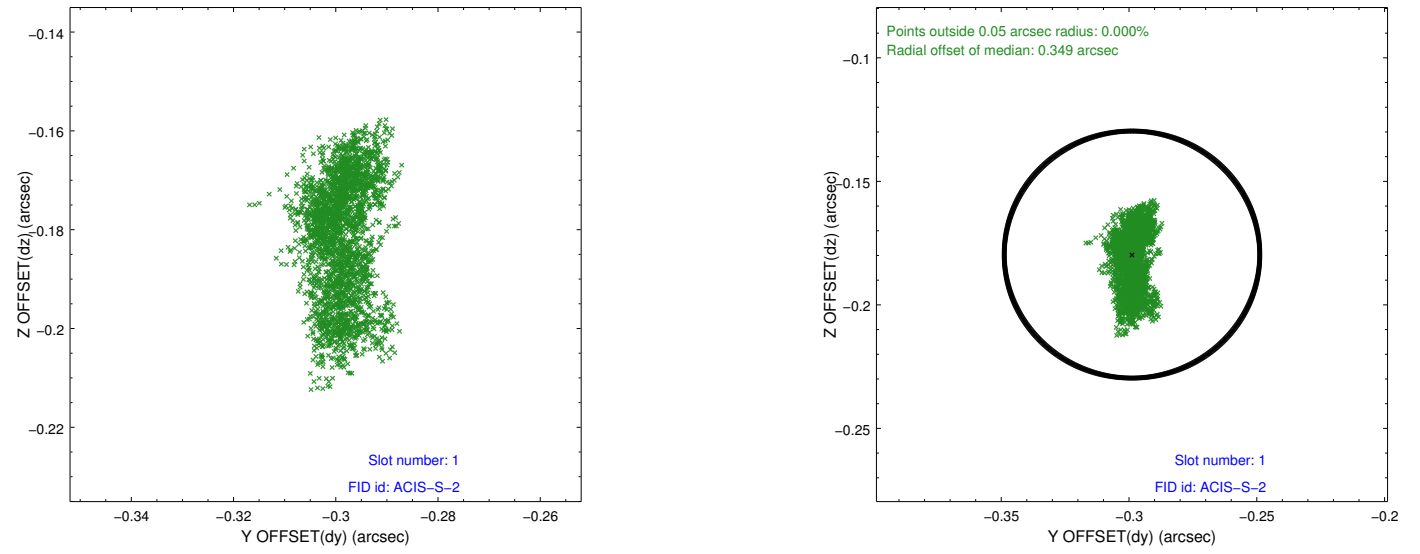


2.5 FID Slots

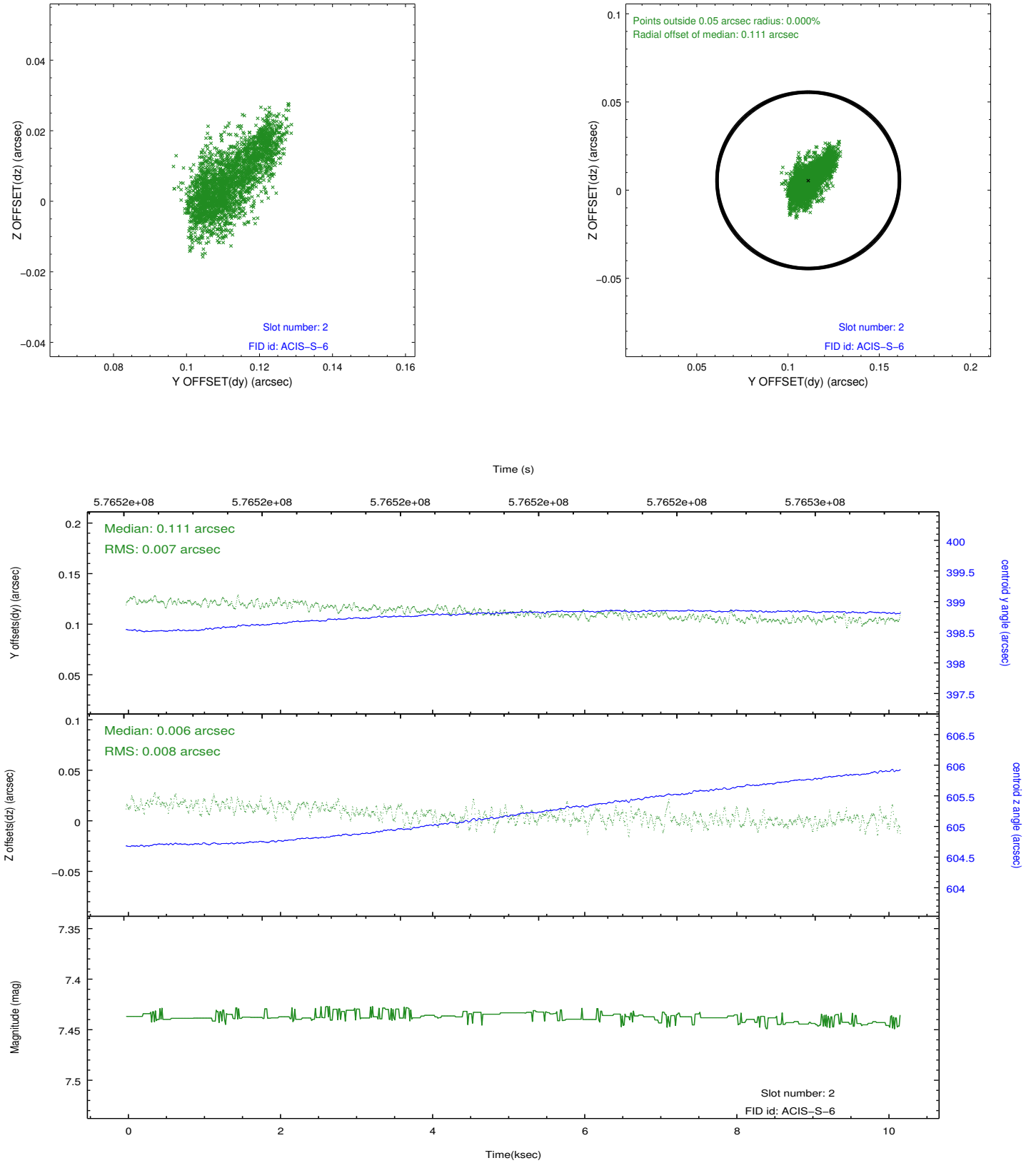
2.5.1 Slot 0



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)	2016.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.06260007751

A.2 Comments

Window preference met.