

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18467 - L2 Version 1
Chandra X-Ray Center

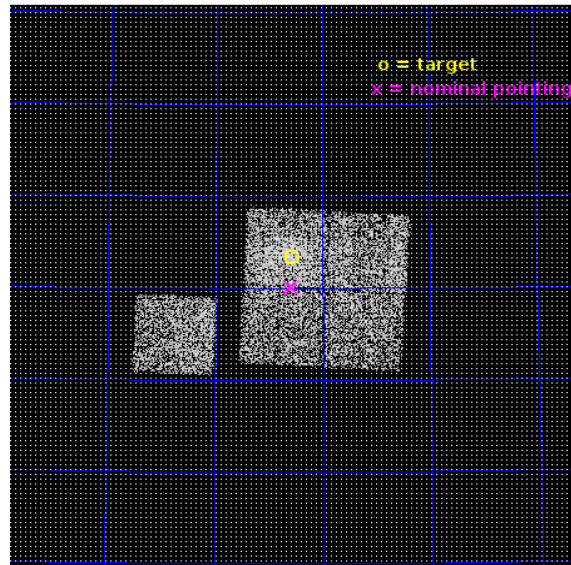
L2 Processing Date : Sep 25 2016

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1 Front

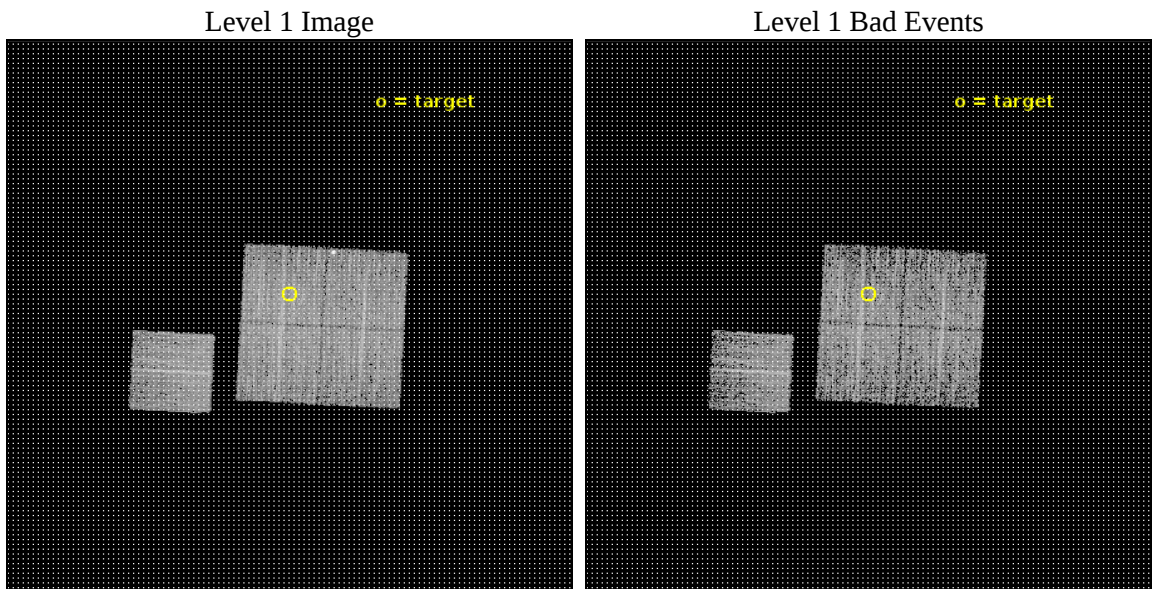
seq_num	801626	Sequence number
obs_id	18467	Observation id
title	Completing Chandra Snapshots of the Planck Cosmology Sample	Propos
observer	Ralph Kraft	Principal investigator
object	G098.12+30.30	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.642917	Observer's specified target RA [deg]
dec_targ	68.055556	Observer's specified target Dec [deg]
ra_nom	268.64555192099	Nominal RA [deg]
dec_nom	68.002891956018	Nominal Dec [deg]
roll_nom	273.18246451929	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5074.652020216	Sum of GTIs [s]
livetime	5008.3479556674	Livetime [s]
ontime0	5074.5289002657	Sum of GTIs [s]
ontime1	5074.5699402094	Sum of GTIs [s]
ontime2	5074.6109802723	Sum of GTIs [s]
ontime3	5074.652020216	Sum of GTIs [s]
ontime6	5074.4878602028	Sum of GTIs [s]
l2events	18050	Number of level 2 events



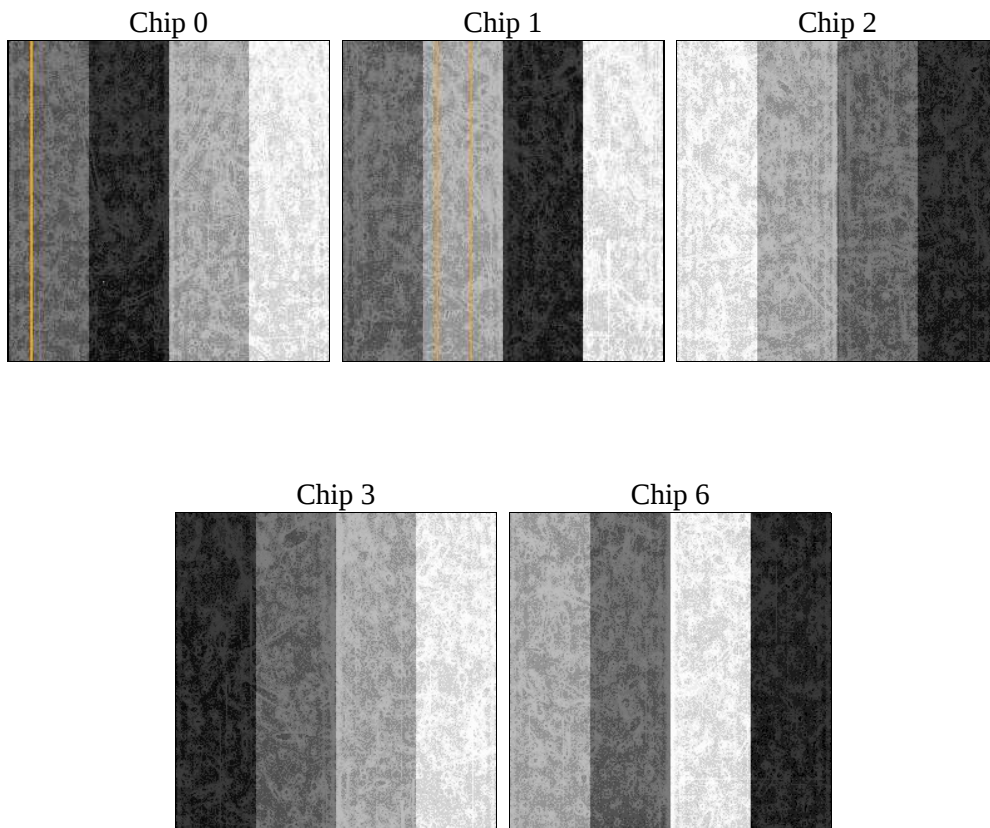
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	5074.652020216	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	5074.5289002657	Sum of GTIs [s]
date	2016-09-26T01:43:36	Date and time of file creation	ontime1	5074.5699402094	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5074.6109802723	Sum of GTIs [s]
			ontime3	5074.652020216	Sum of GTIs [s]
			ontime6	5074.4878602028	Sum of GTIs [s]
			l1events	167657	Number of level 1 events

2.1.4 Events

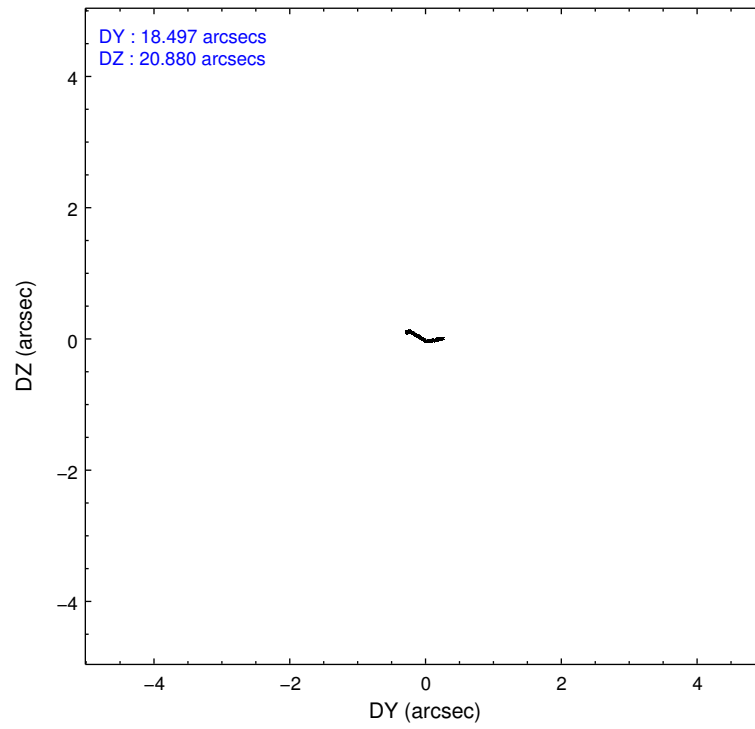
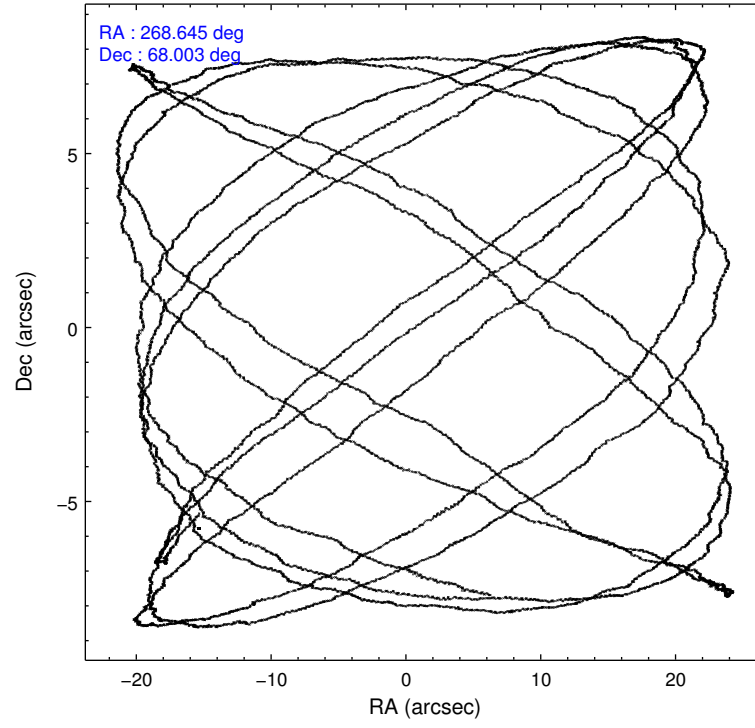
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	30375	33070	34838	35415	33959
rejected events	26537	27073	30914	30442	30060
rejected %	87%	81%	88%	85%	88%

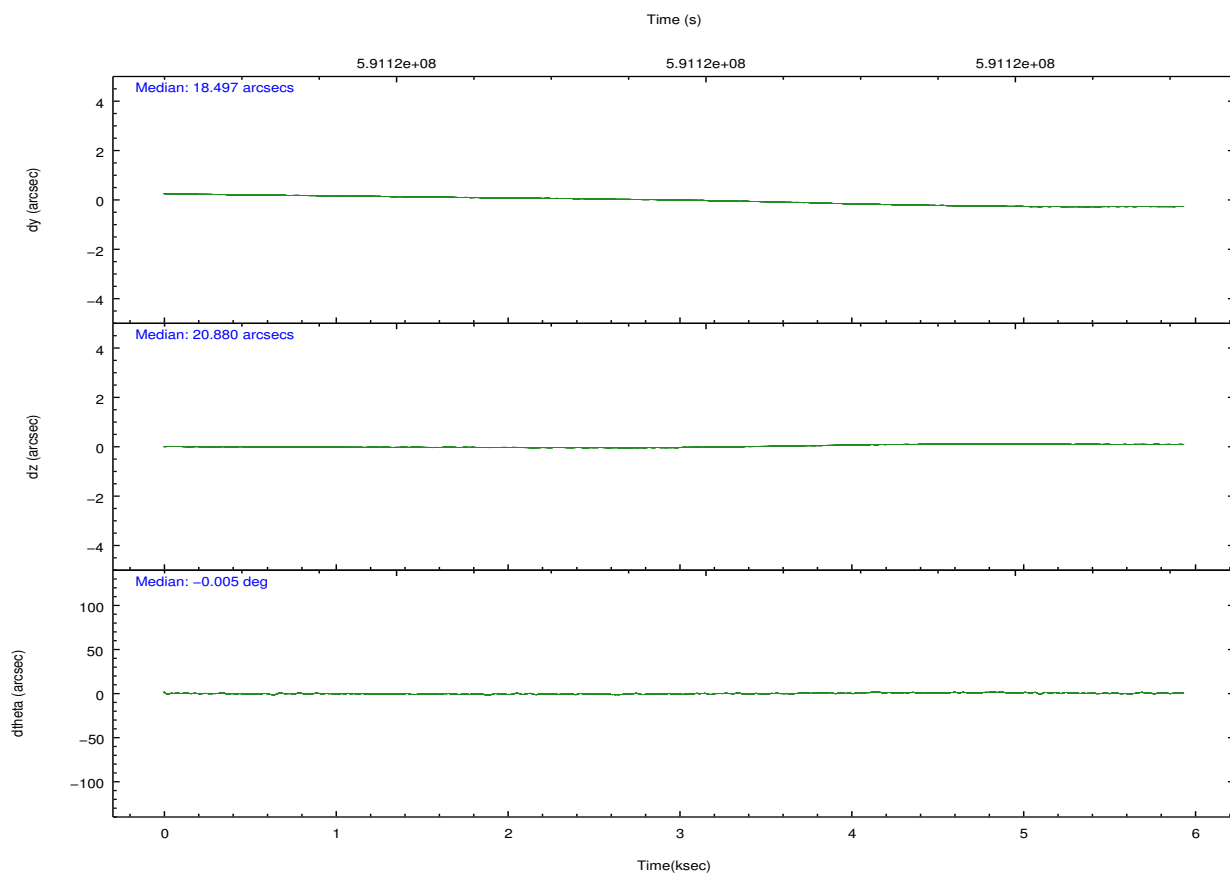
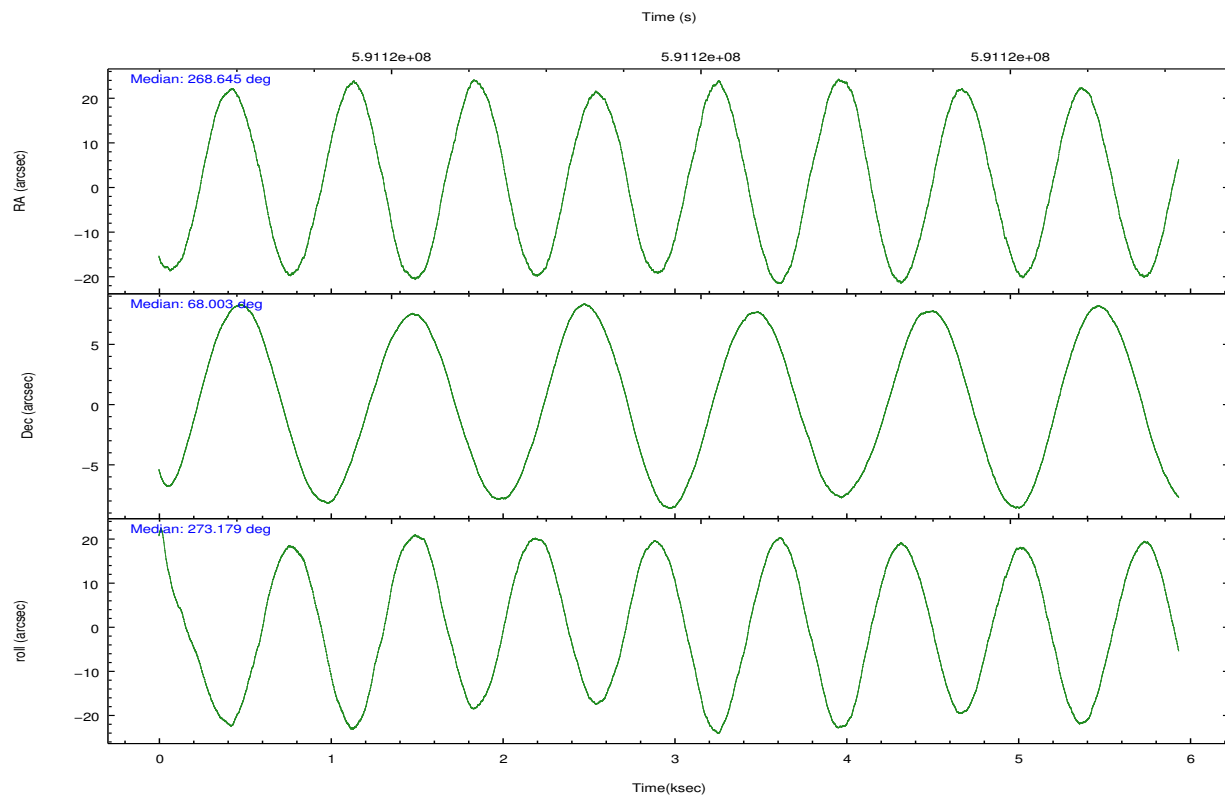
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1362	1615	1575	2382	1378
	4%	4%	4%	6%	4%
grade 1 events	16	21	23	29	14
	0%	0%	0%	0%	0%
grade 2 events	931	2677	891	914	865
	3%	8%	2%	2%	2%
grade 3 events	391	398	342	419	380
	1%	1%	0%	1%	1%
grade 4 events	382	378	386	412	377
	1%	1%	1%	1%	1%
grade 5 events	1458	1567	1415	1634	1577
	4%	4%	4%	4%	4%
grade 6 events	776	933	730	847	900
	2%	2%	2%	2%	2%
grade 7 events	25059	25481	29476	28778	28468
	82%	77%	84%	81%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	268.605113	268.6455519209944	CCD I2 on	Y	Y
[deg] Pointing Dec	68.025902	68.00289195601786	CCD I3 on	Y	Y
[deg] Pointing Roll	273.011242	273.1824645192858	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	-225.840463	-225.8433433320239	CCD S3 on	N	N
[mm] SIM translation stage offset	-7.752	-7.749109670905796	CCD S4 on	N	N
[s] Observation start time (MET)	591115746.184000	591113975.37264	CCD S5 on	N	N
Observation start date	2016-09-24T14:47:58	2016-09-24T14:19:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	591120746.184000	591121079.13555	On-chip summing requested	N	N
Observation end date	2016-09-24T16:11:18	2016-09-24T16:17:59	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



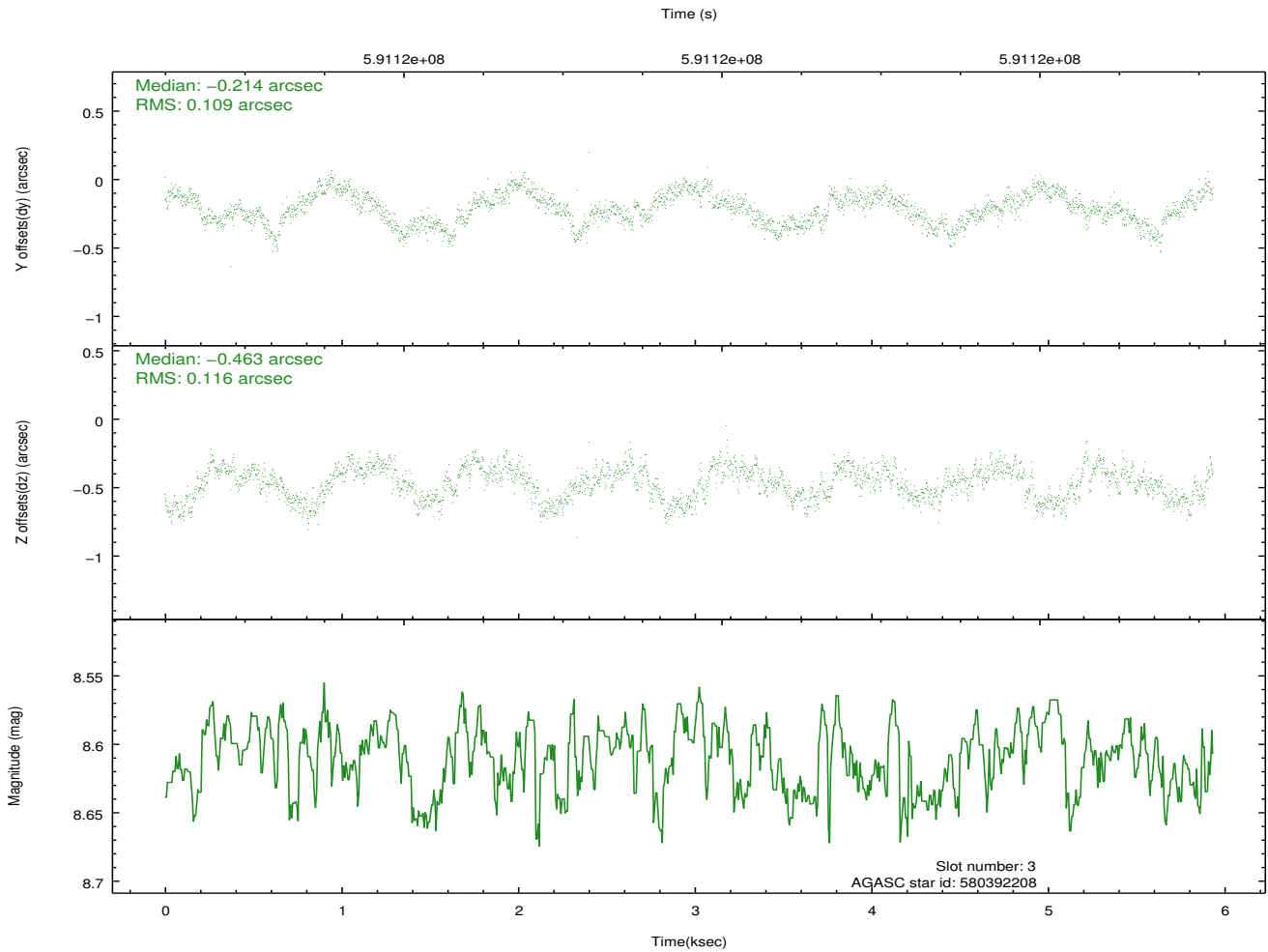
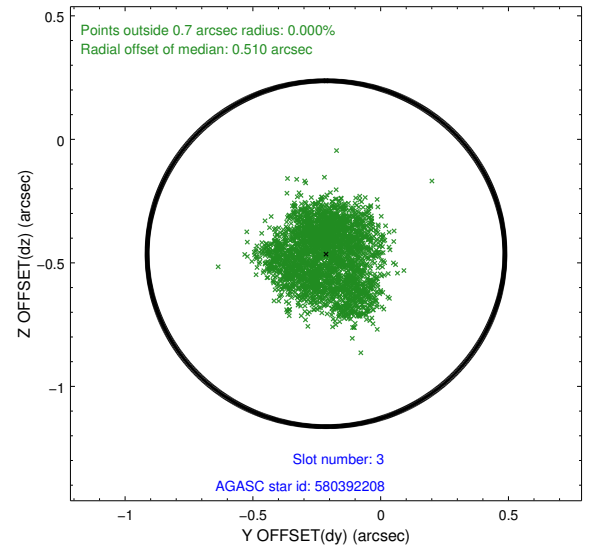
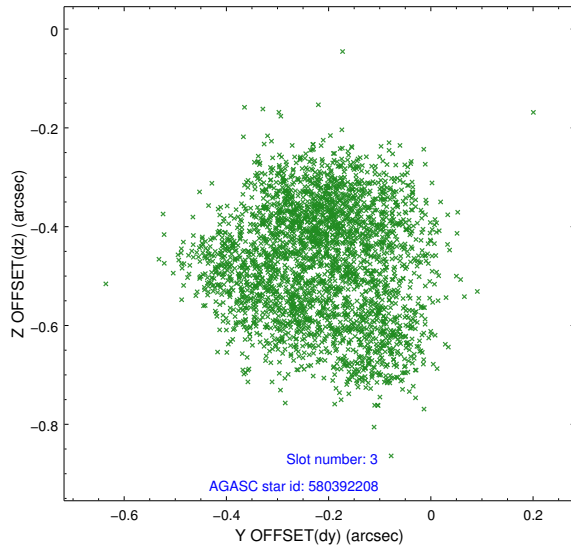


Slot Statistics

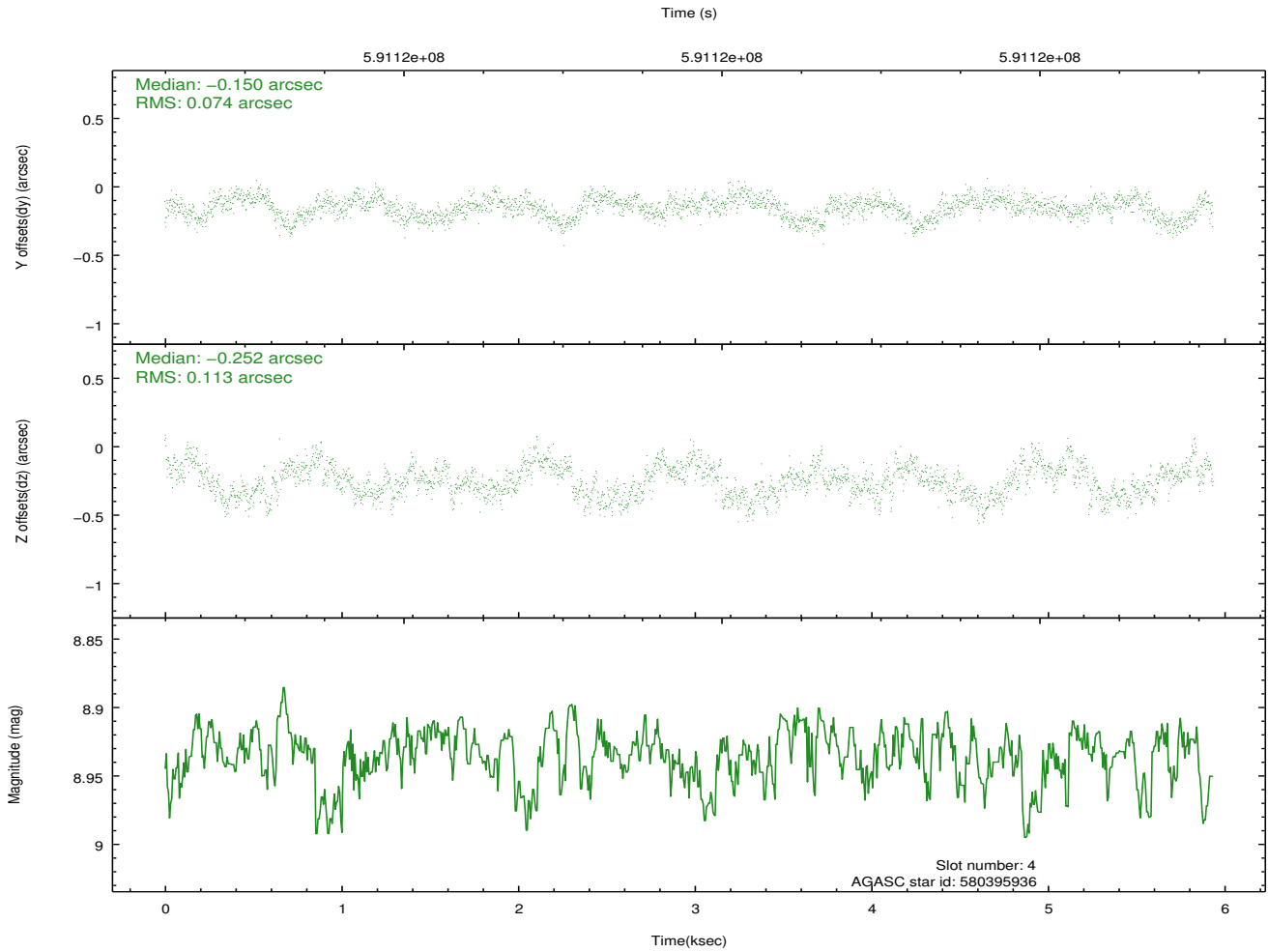
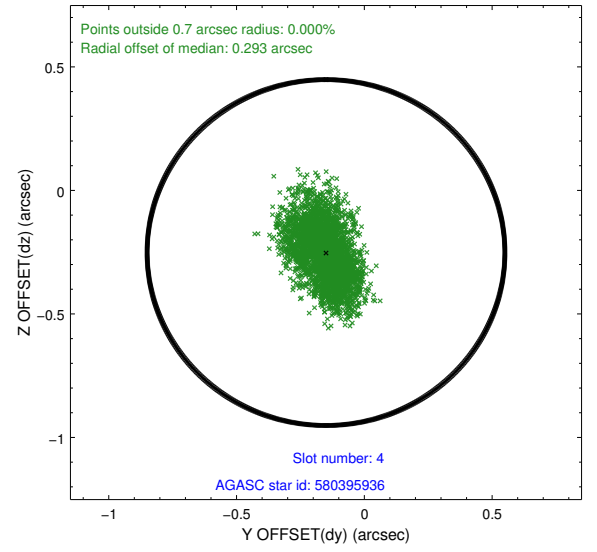
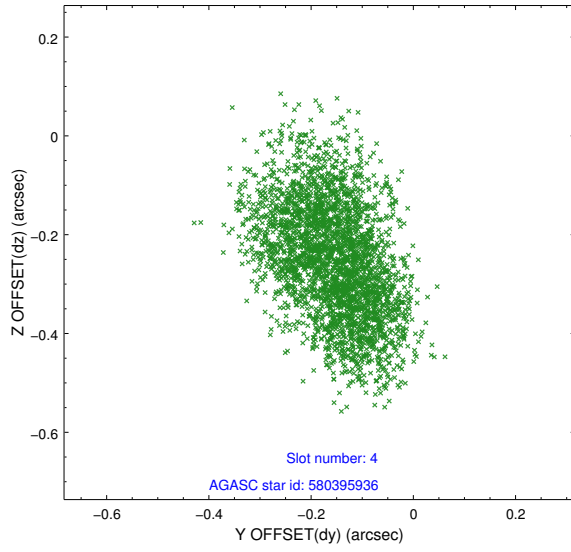
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.13	1448	0.185	-0.174	0.006	0.011	0.000000	0.000000	921.00	-1003.86
1	FID		ACIS-I-5	7.13	1448	-0.458	0.099	0.007	0.014	0.000000	0.000000	-1827.32	893.12
2	FID		ACIS-I-6	7.15	1448	0.182	0.146	0.008	0.014	0.000000	0.000000	385.29	1538.94
3	GUIDE	used	580392208	8.61	2894	-0.214	-0.463	0.176	0.256	269.218850	67.601026	1567.69	760.72
4	GUIDE	used	580395936	8.93	2891	-0.150	-0.252	0.145	0.234	269.727854	67.793590	902.32	1482.75
5	GUIDE	used	580397224	8.06	2894	0.269	0.375	0.096	0.164	267.258534	68.341831	-1248.13	-1724.49
6	GUIDE	used	580518560	7.57	2895	-0.229	-0.231	0.149	0.221	270.252057	68.585444	-1927.14	2268.46
7	GUIDE	used	580395016	8.77	2892	0.333	0.584	0.115	0.185	266.681865	68.561592	-2097.95	-2421.75

2.4 Star Slots

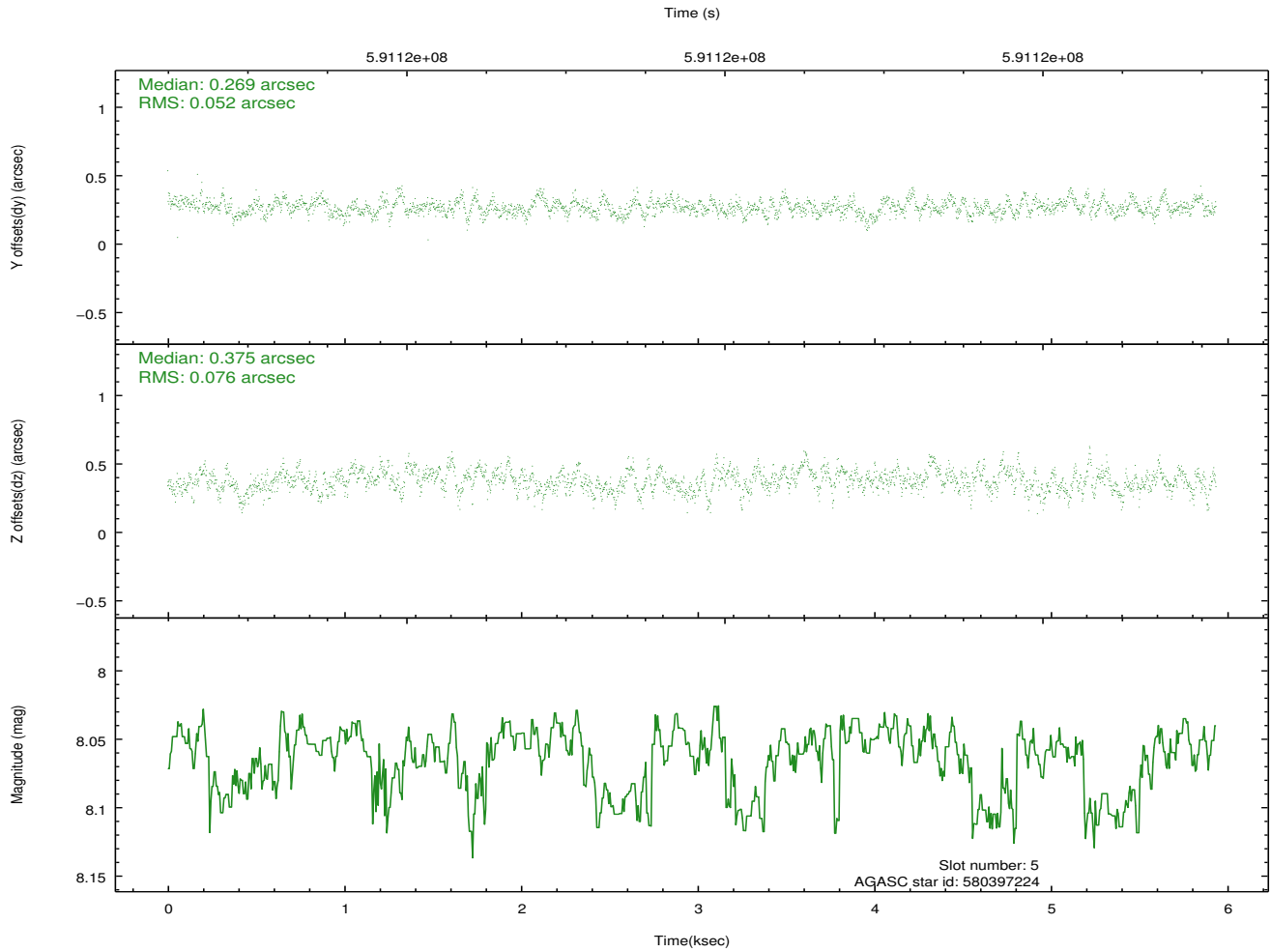
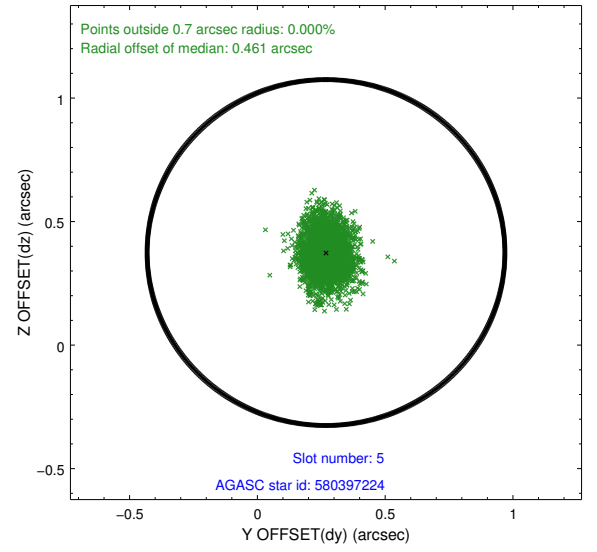
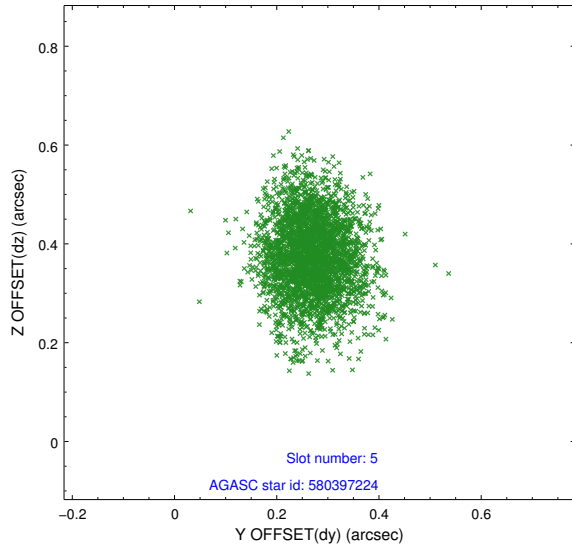
2.4.1 Slot 3



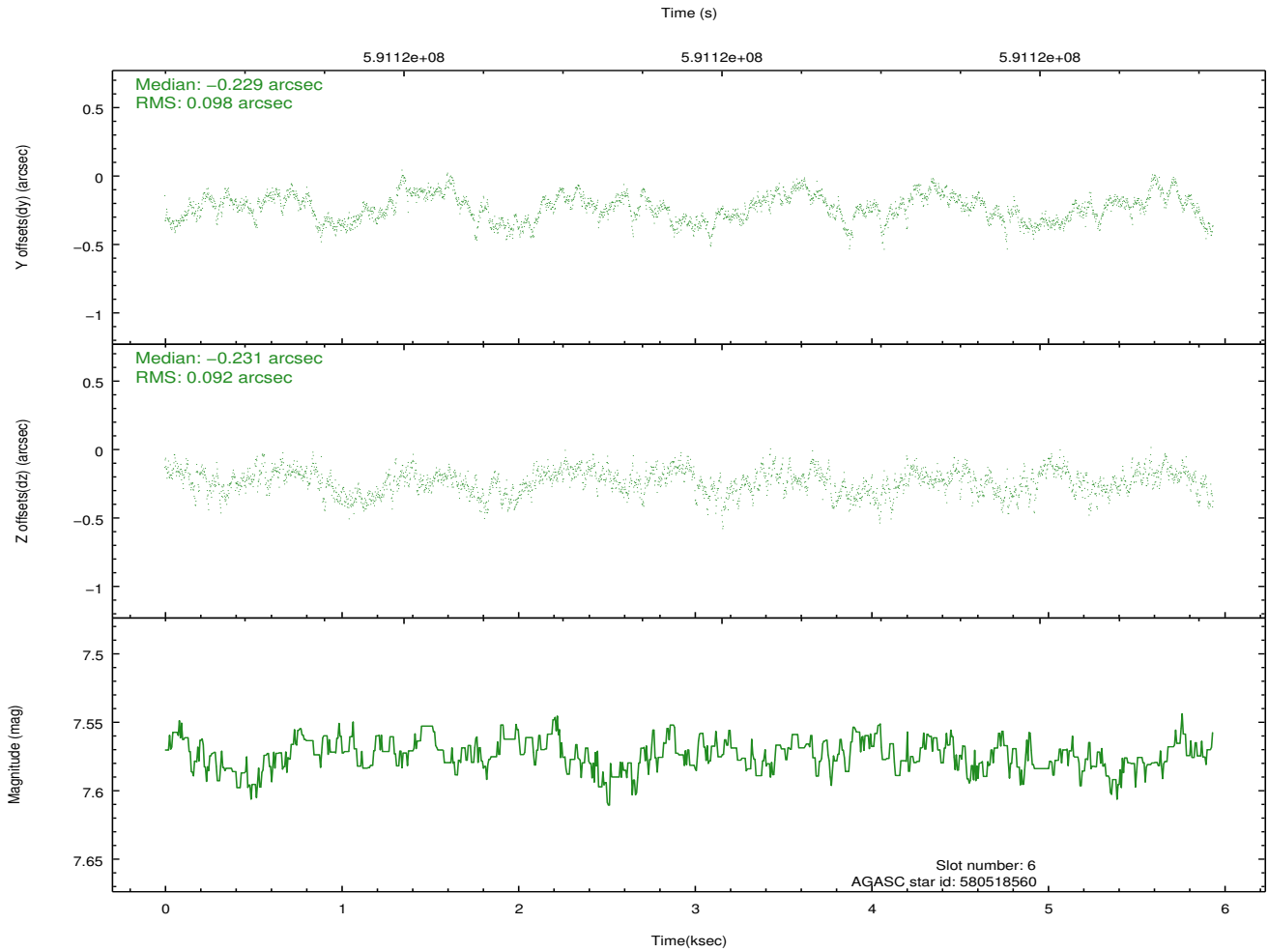
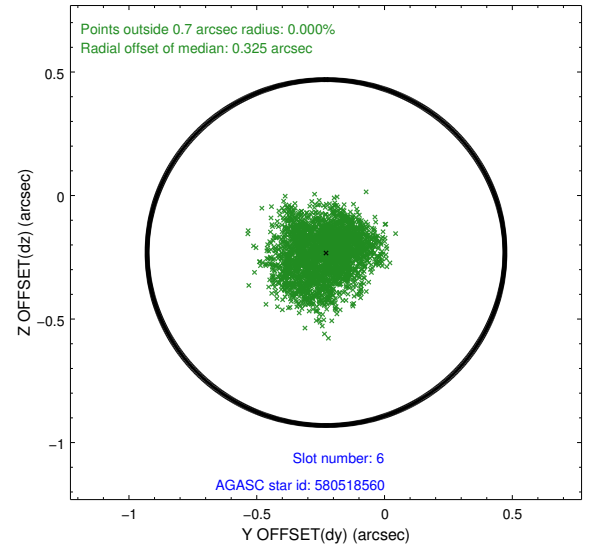
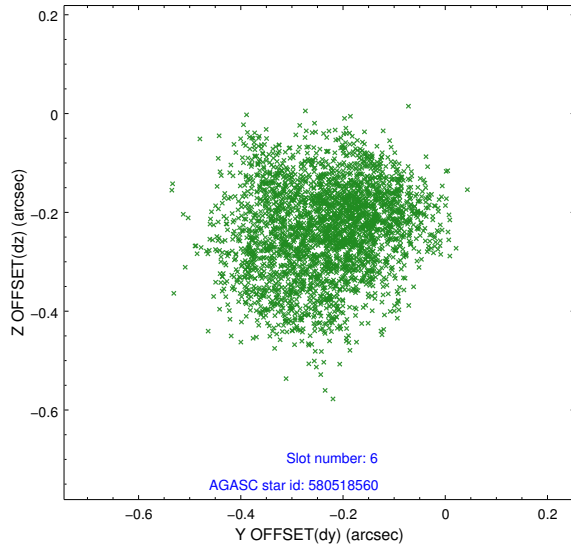
2.4.2 Slot 4



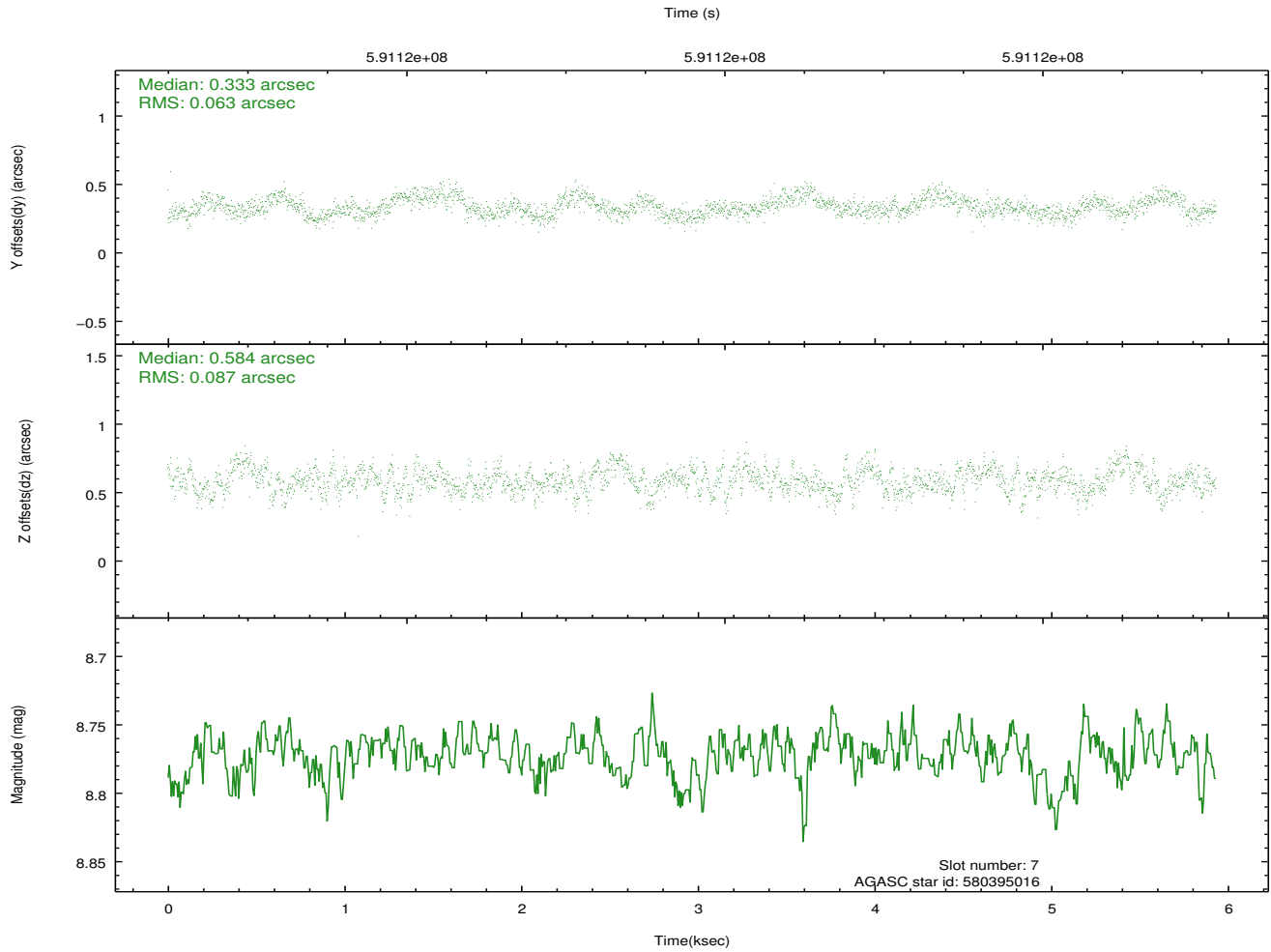
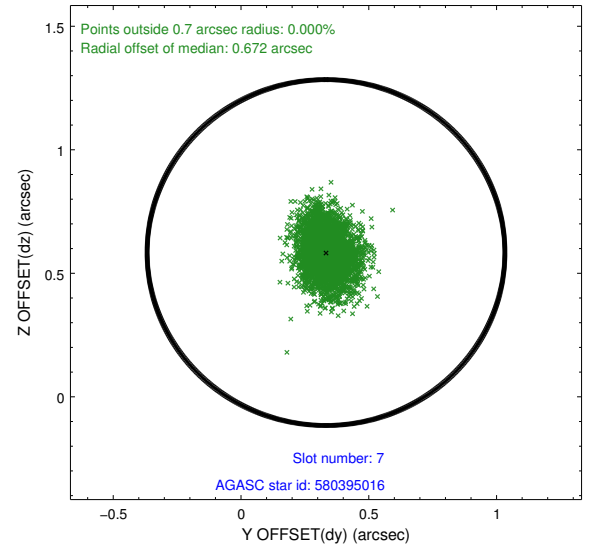
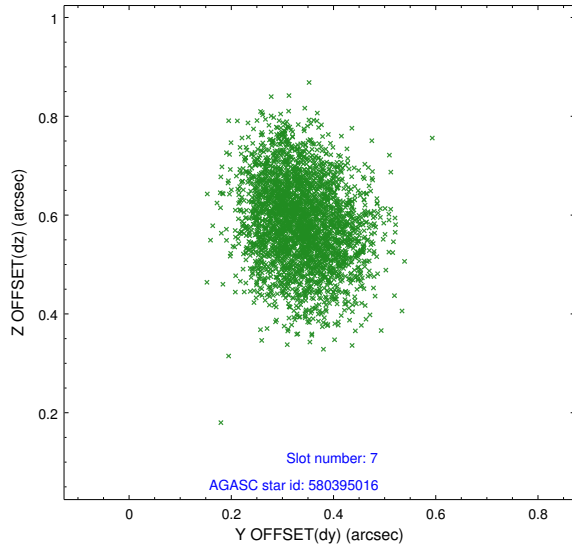
2.4.3 Slot 5



2.4.4 Slot 6

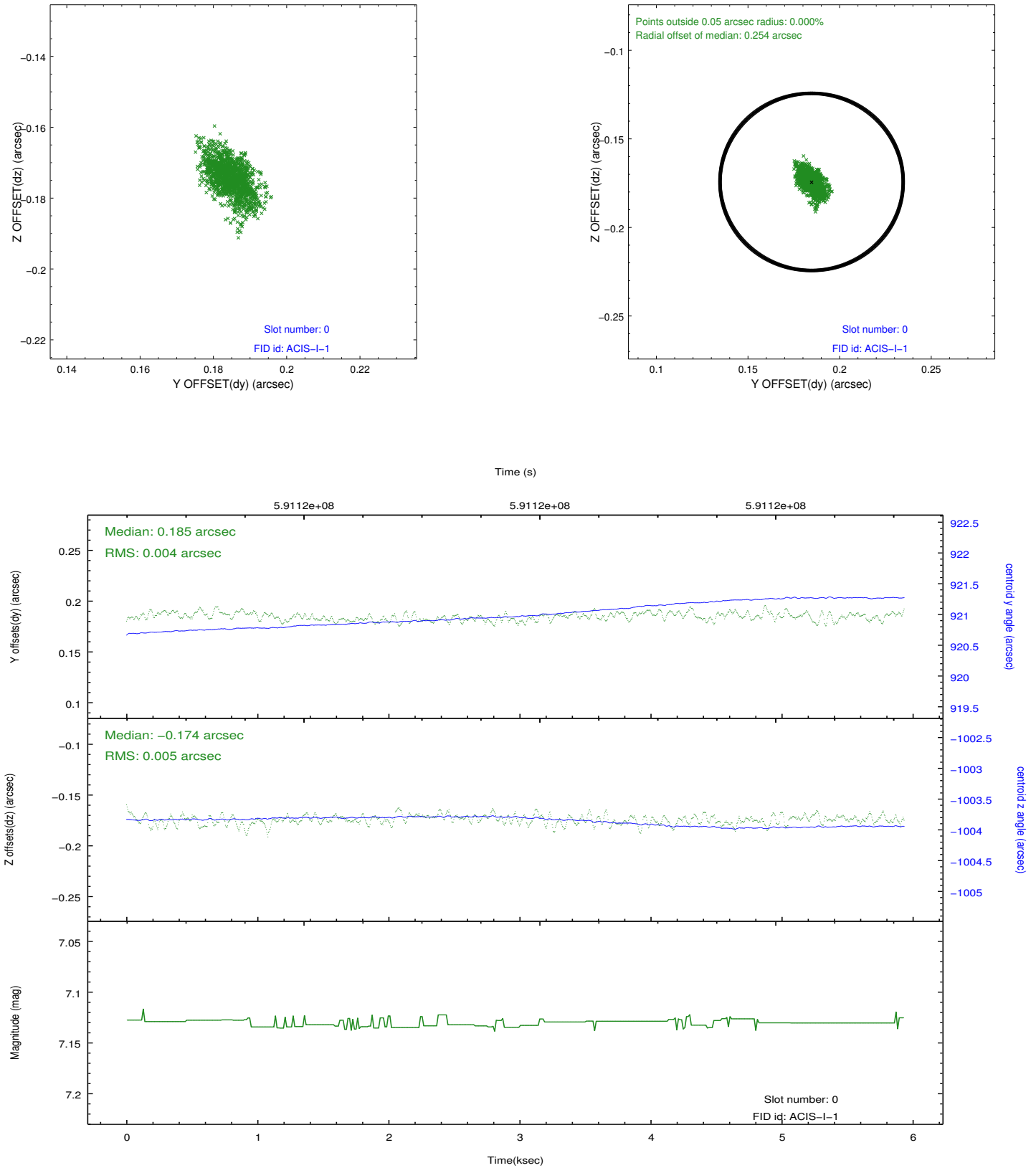


2.4.5 Slot 7

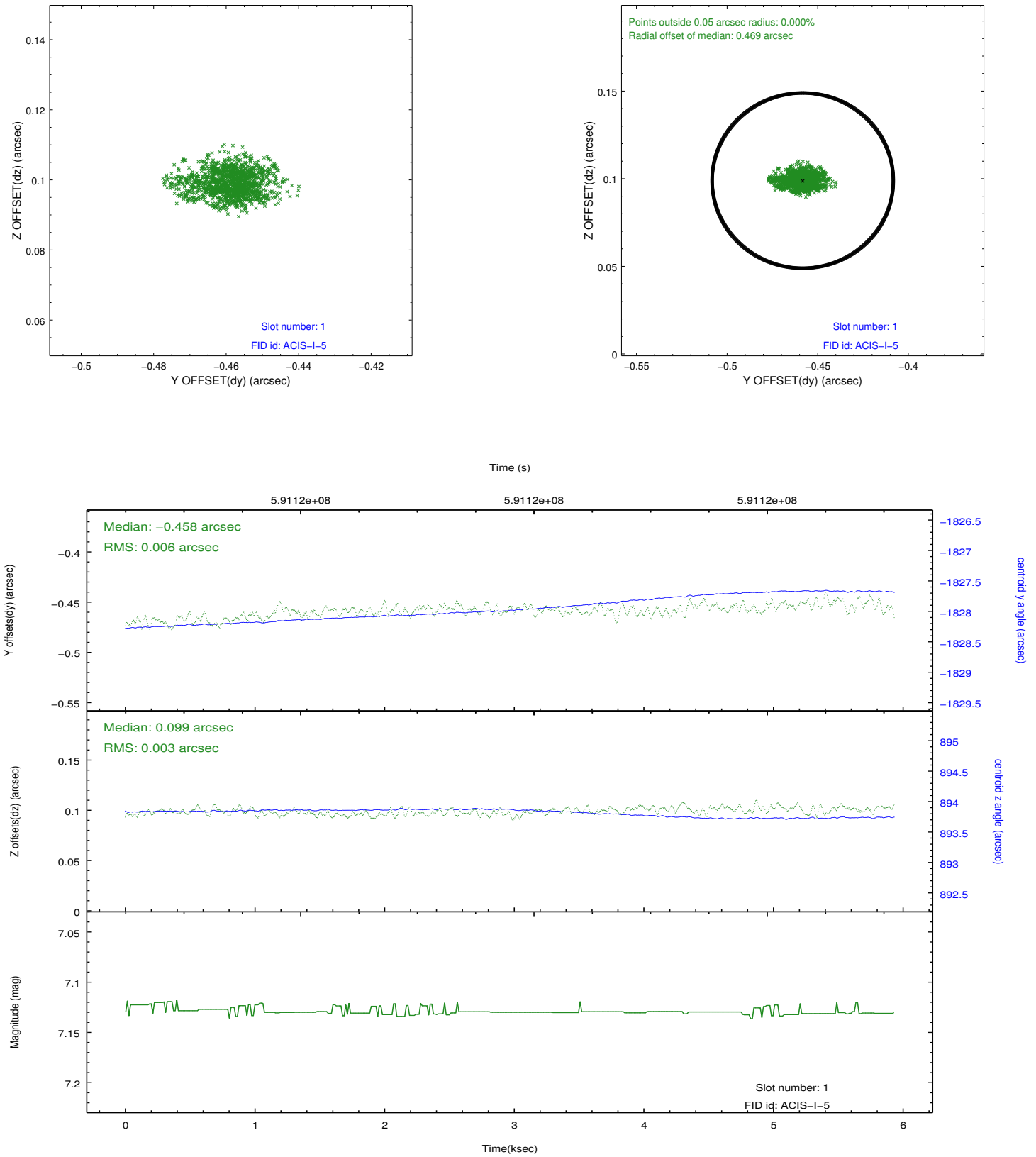


2.5 FID Slots

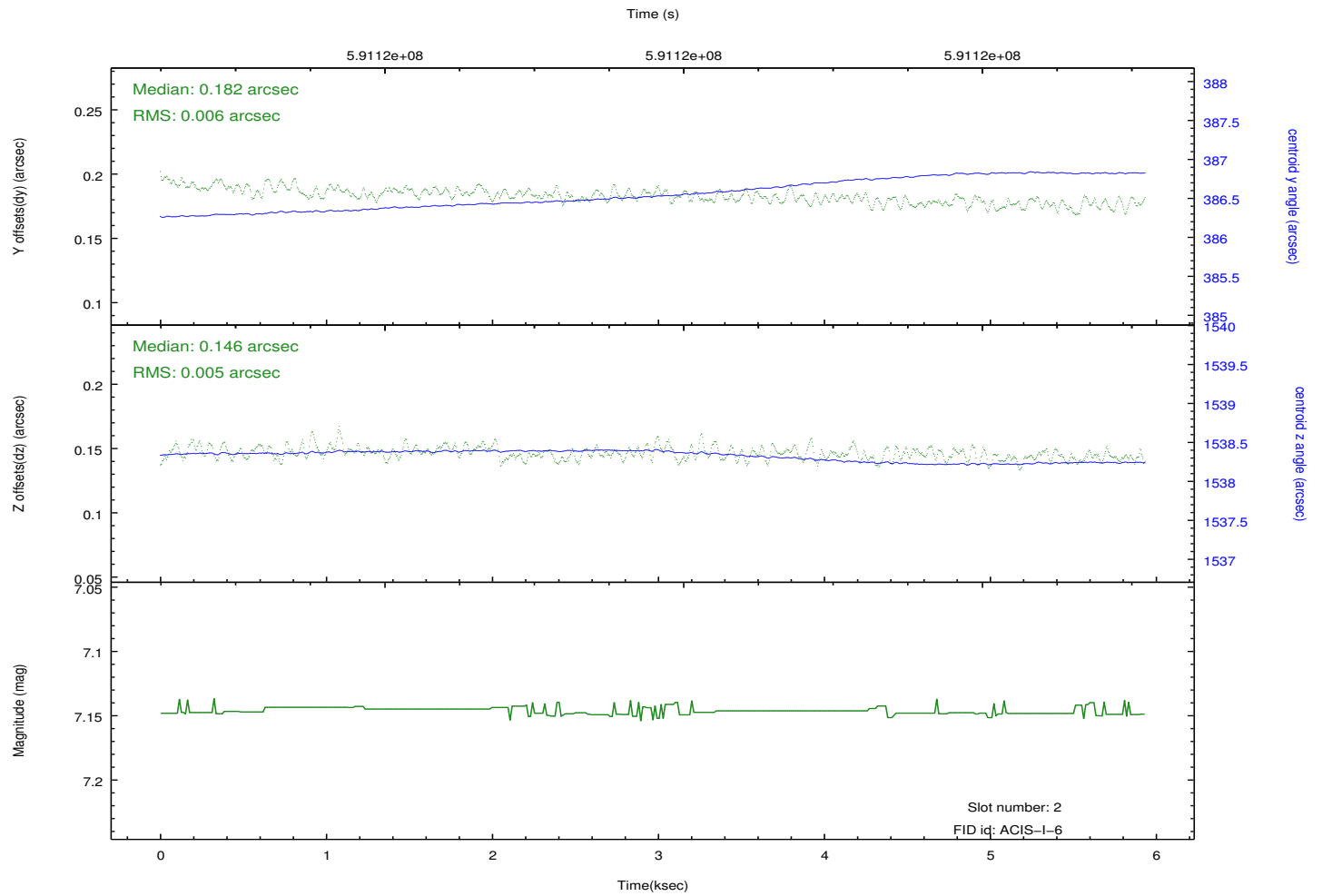
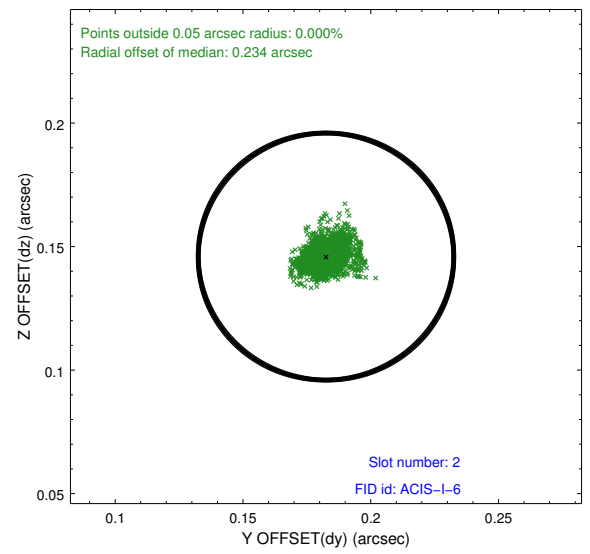
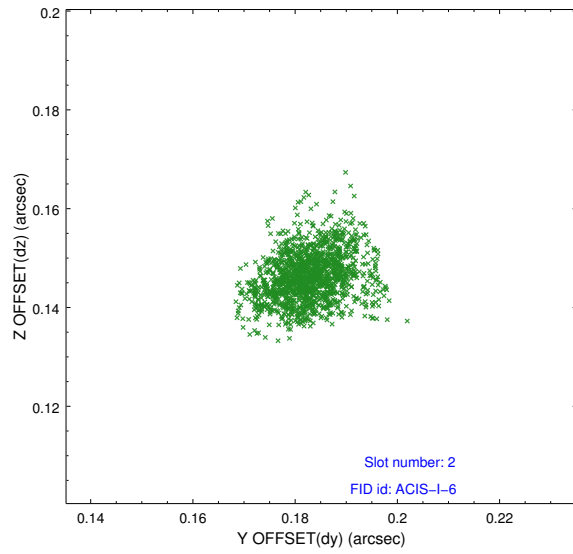
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.074652020216

A.2 Comments