

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18226 - L2 Version 1
Chandra X-Ray Center

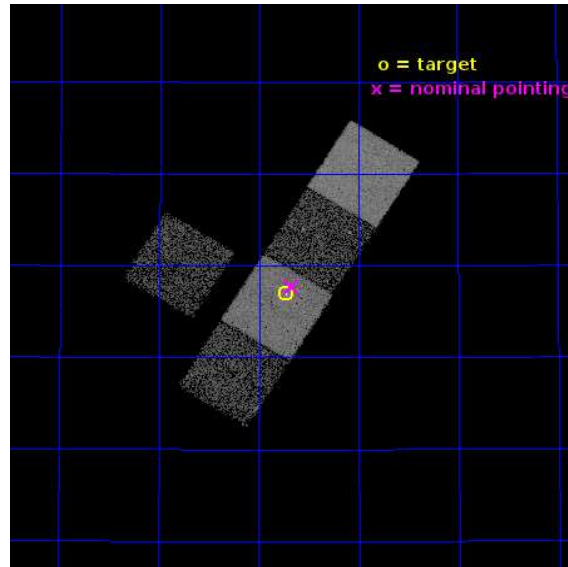
L2 Processing Date : Dec 20 2015

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1 Front

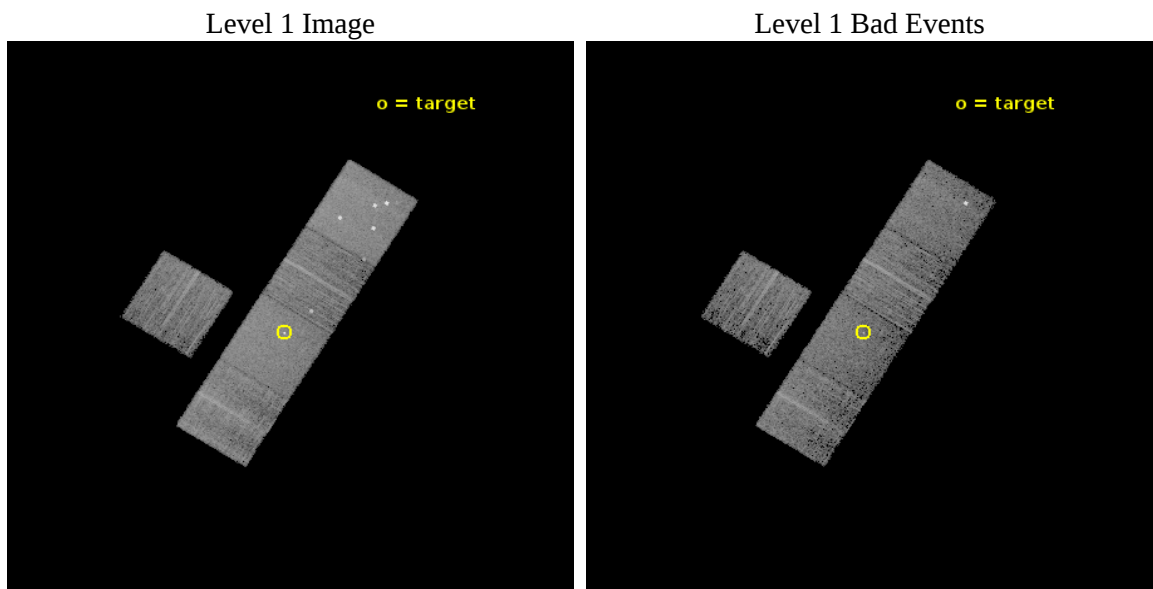
seq_num	801554	Sequence number
obs_id	18226	Observation id
title	Fossil group: the real spherical cow to study AGN feedback	Proposa
observer	Dr Ka-Wah Wong	Principal investigator
object	J0752	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	118.184167	Observer's specified target RA [deg]
dec_targ	45.949278	Observer's specified target Dec [deg]
ra_nom	118.16863685126	Nominal RA [deg]
dec_nom	45.962183834632	Nominal Dec [deg]
roll_nom	121.92923462569	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8044.5000619888	Sum of GTIs [s]
livetime	7939.3927464042	Livetime [s]
ontime3	8044.4507849216	Sum of GTIs [s]
ontime5	8044.5000619888	Sum of GTIs [s]
ontime6	8044.4918248653	Sum of GTIs [s]
ontime7	8044.5000619888	Sum of GTIs [s]
ontime8	8044.4097448587	Sum of GTIs [s]
l2events	71496	Number of level 2 events



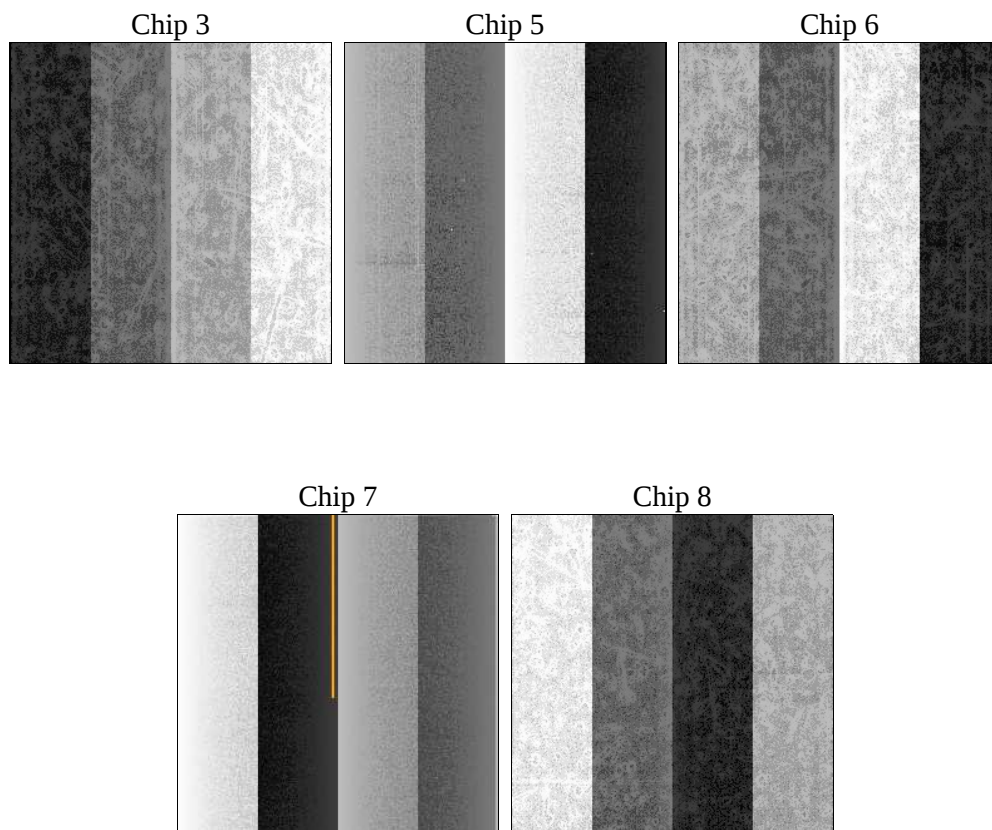
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	8044.5000619888	Sum of GTIs [s]
caldsver	4.7.0	 	ontime3	8044.4507849216	Sum of GTIs [s]
date	2015-12-20T19:46:50	Date and time of file creation	ontime5	8044.5000619888	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8044.4918248653	Sum of GTIs [s]
			ontime7	8044.5000619888	Sum of GTIs [s]
			ontime8	8044.4097448587	Sum of GTIs [s]
			l1events	289531	Number of level 1 events

2.1.4 Events

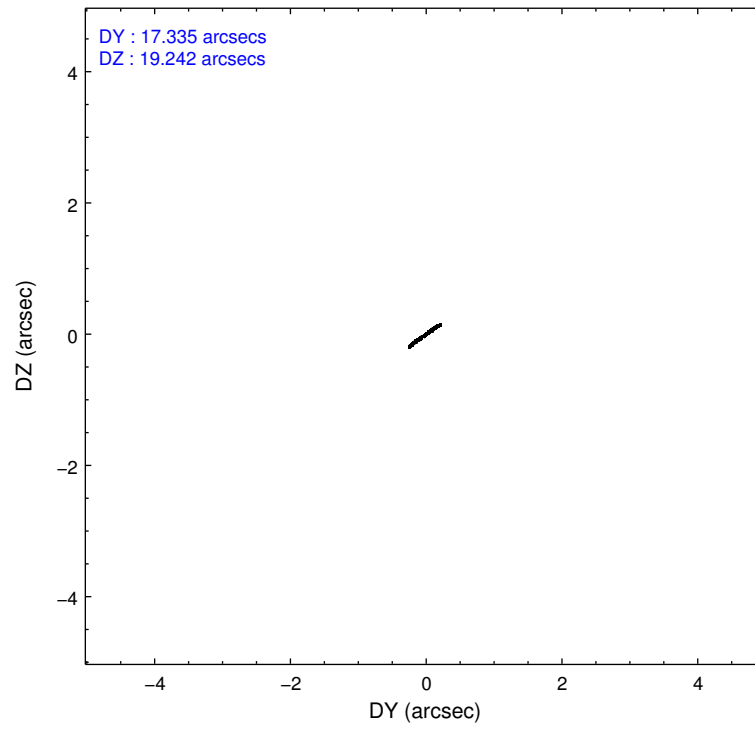
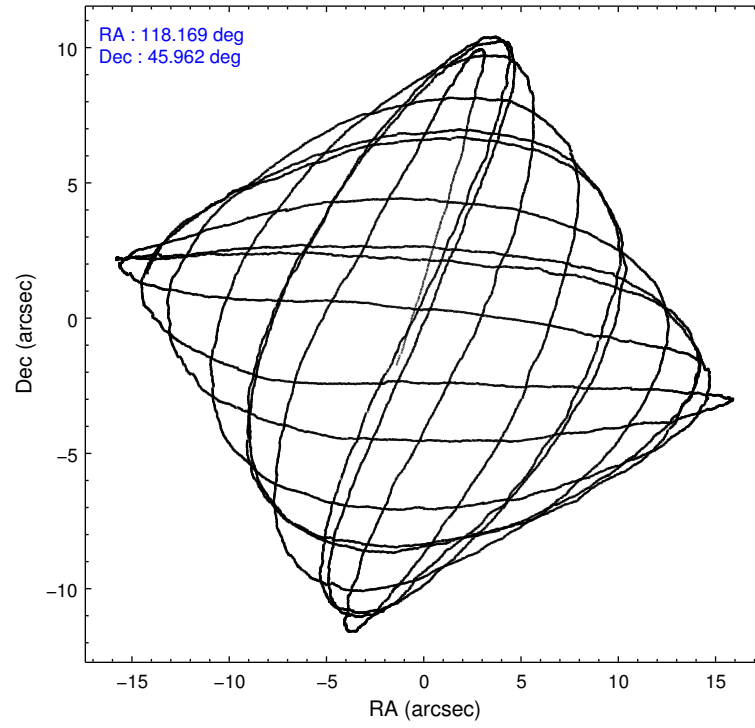
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	42609	82237	48110	60629	55946
rejected events	38102	40248	42127	34368	41621
rejected %	89%	48%	87%	56%	74%

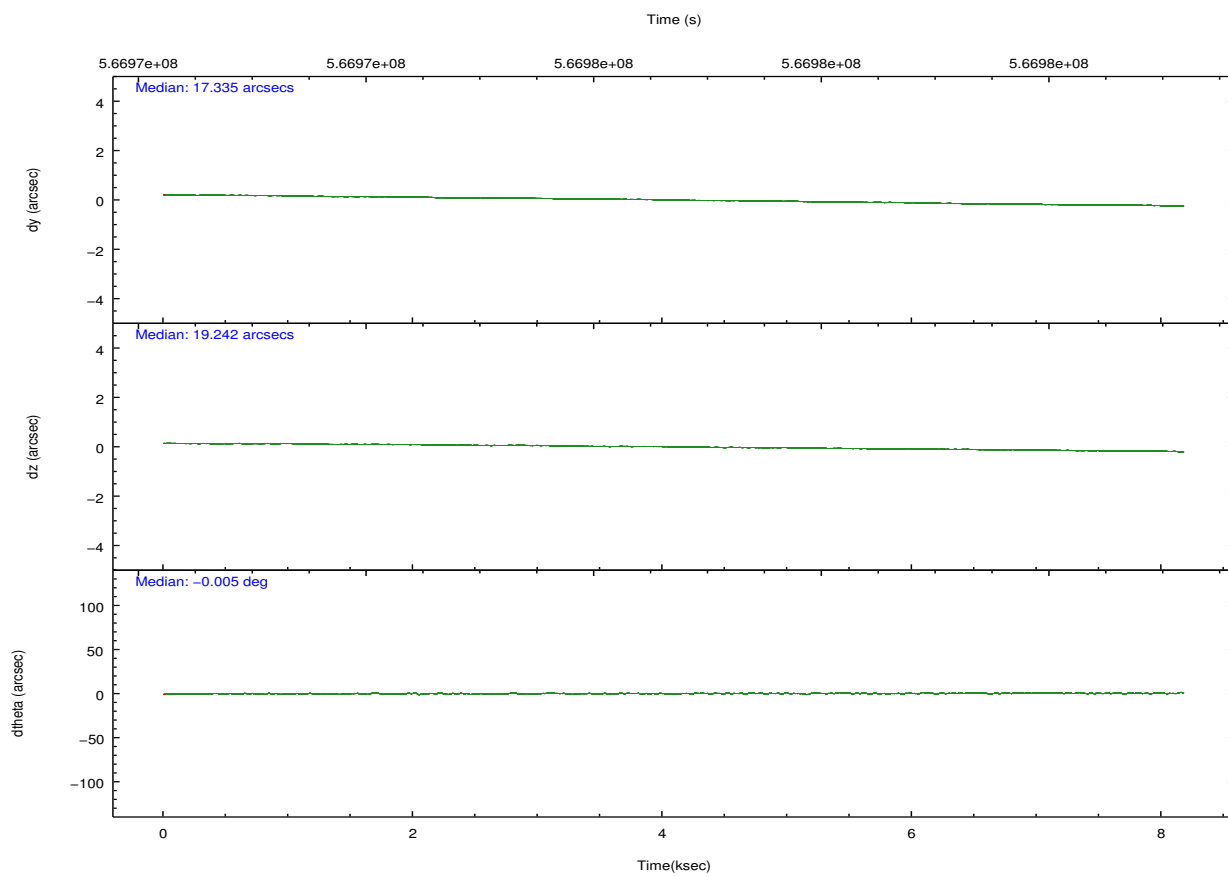
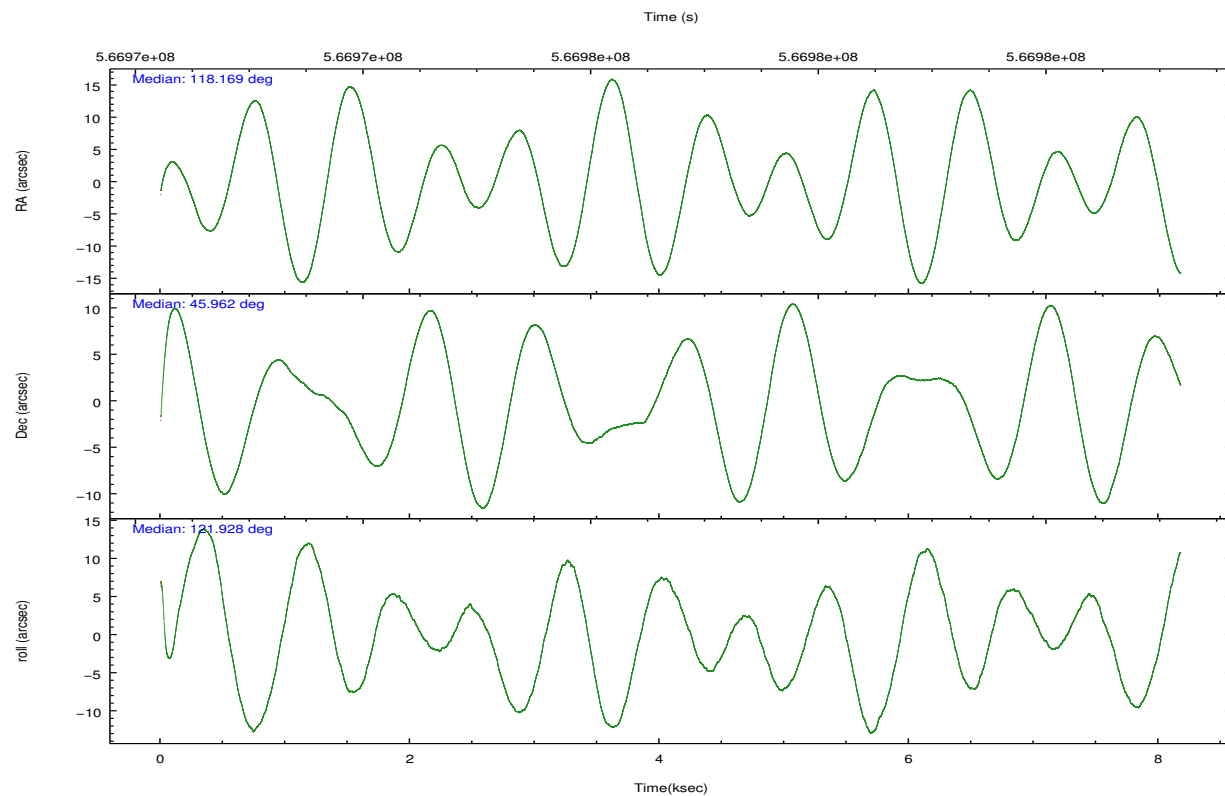
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1530	9832	2436	2322	4115
	3%	11%	5%	3%	7%
grade 1 events	23	163	30	73	33
	0%	0%	0%	0%	0%
grade 2 events	1008	10955	1243	5672	3486
	2%	13%	2%	9%	6%
grade 3 events	494	1071	497	2145	1503
	1%	1%	1%	3%	2%
grade 4 events	516	944	491	1941	1424
	1%	1%	1%	3%	2%
grade 5 events	2239	4951	2211	5645	3145
	5%	6%	4%	9%	5%
grade 6 events	961	19222	1322	14200	3806
	2%	23%	2%	23%	6%
grade 7 events	35838	35099	39880	28631	38434
	84%	42%	82%	47%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	118.203733	118.168636851256	CCD I2 on	N	N
[deg] Pointing Dec	45.949553	45.96218383463233	CCD I3 on	O1	Y
[deg] Pointing Roll	121.747371	121.9292346256916	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	566972792.184000	566971691.39439	CCD S5 on	N	N
Observation start date	2015-12-20T04:25:24	2015-12-20T04:08:11	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	566980792.184000	566981459.64494	On-chip summing requested	N	N
Observation end date	2015-12-20T06:38:44	2015-12-20T06:50:59	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



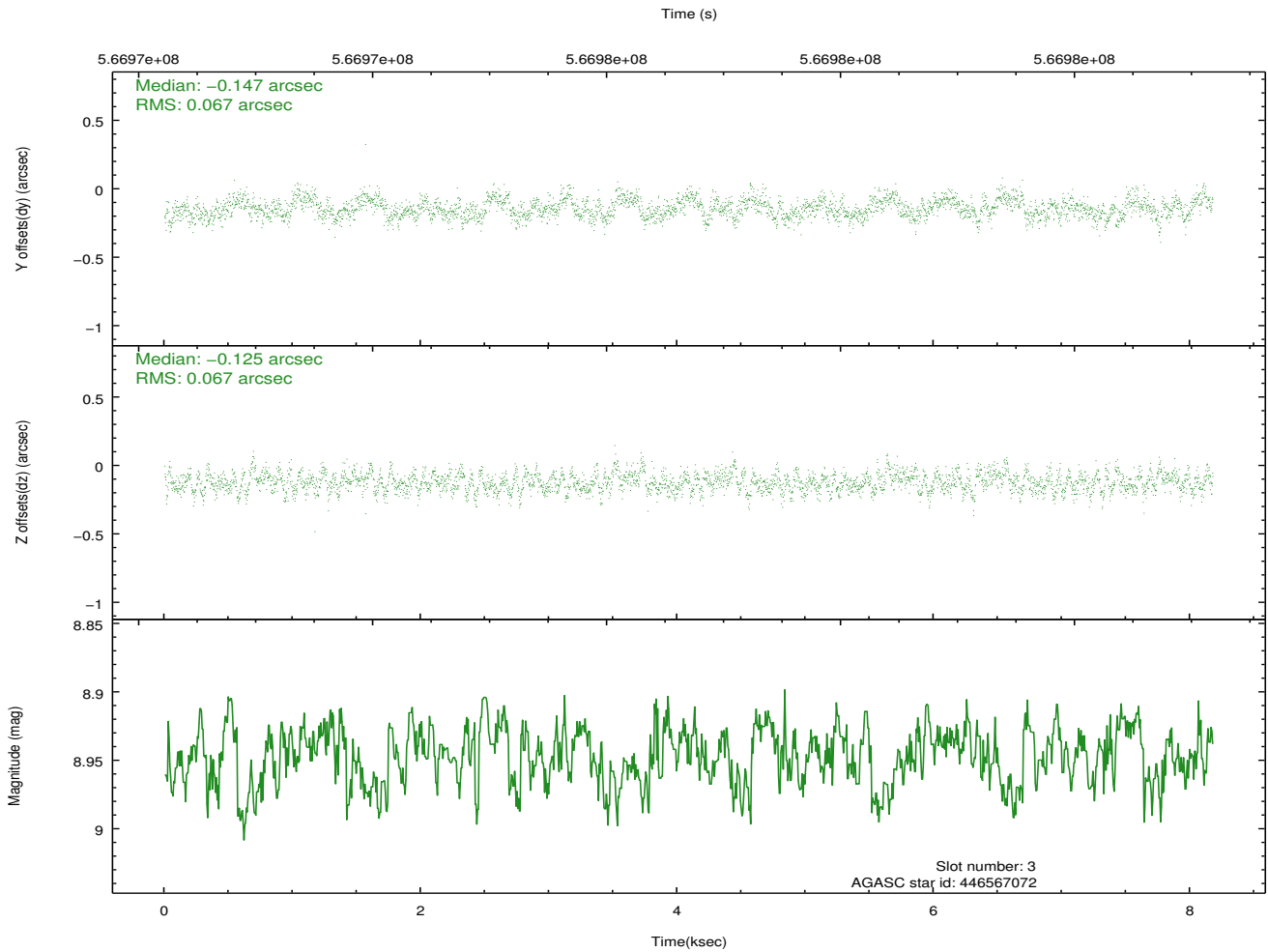
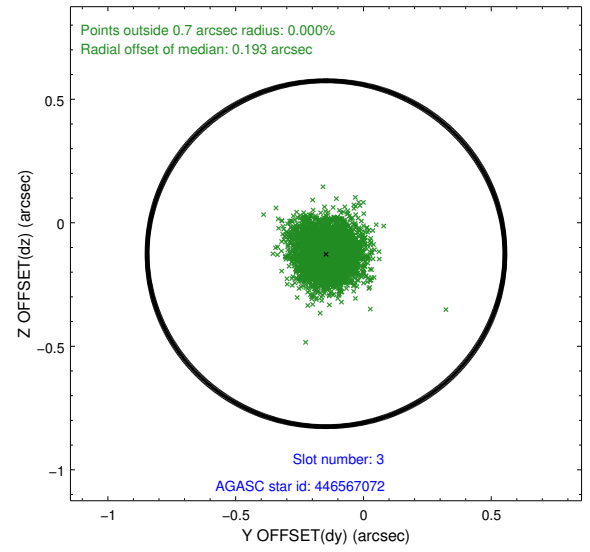
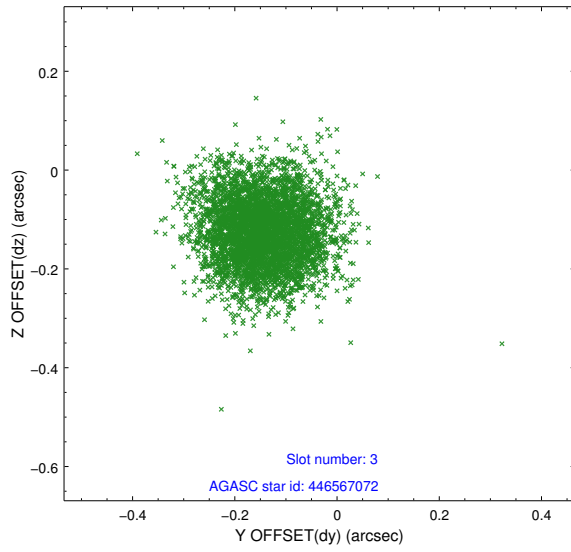


Slot Statistics

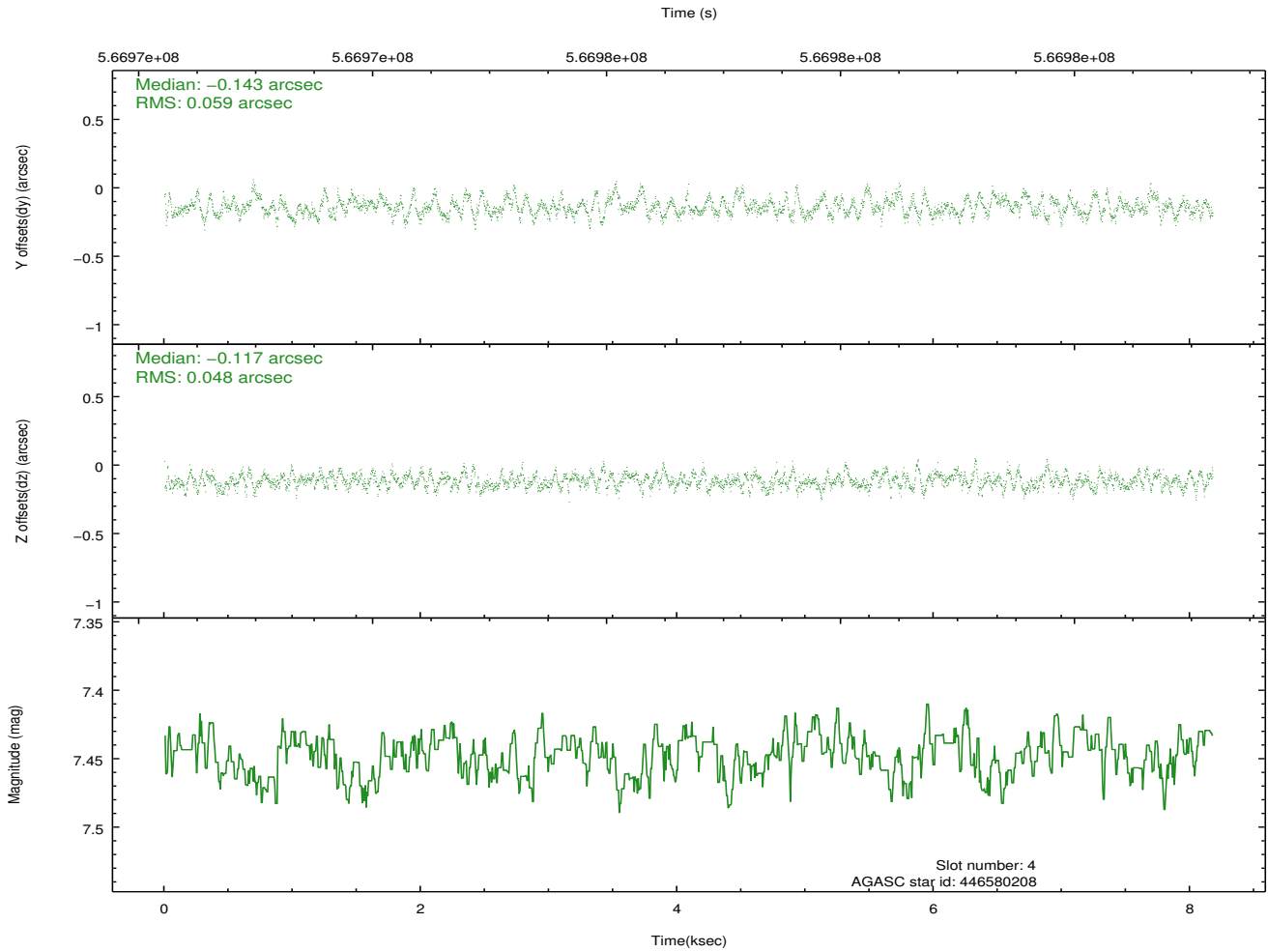
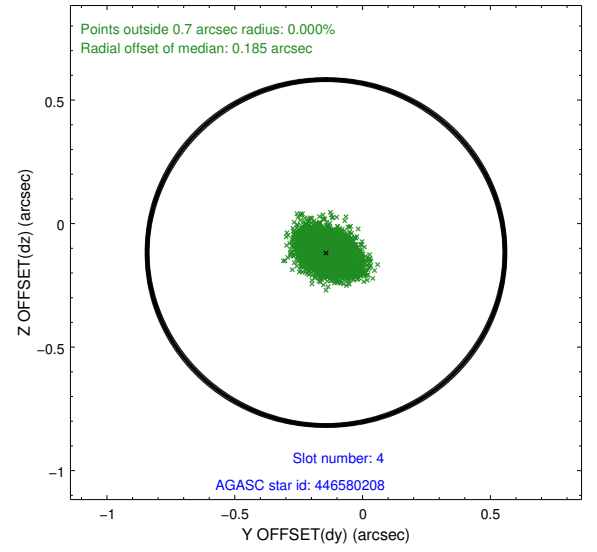
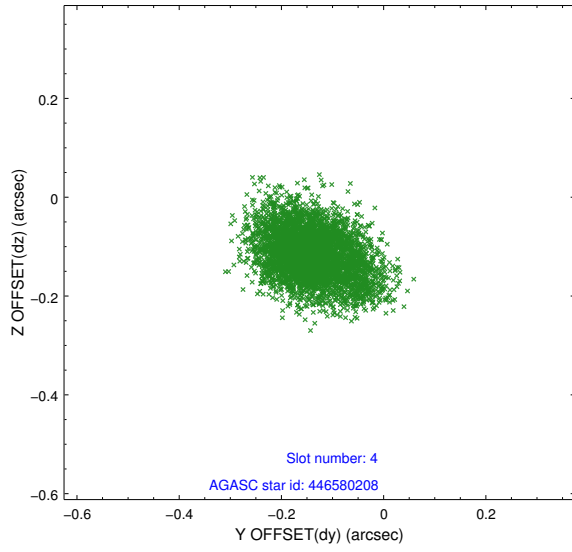
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.14	1995	-0.183	-0.133	0.008	0.013	0.000000	0.000000	-770.52	-1740.86
1	FID		ACIS-S-4	7.23	1995	0.447	0.124	0.007	0.012	0.000000	0.000000	2143.05	167.19
2	FID		ACIS-S-5	7.25	1995	-0.295	0.018	0.007	0.012	0.000000	0.000000	-1822.62	161.50
3	GUIDE	used	446567072	8.95	3984	-0.147	-0.125	0.101	0.161	117.460844	46.100390	1443.65	1287.71
4	GUIDE	used	446580208	7.45	3989	-0.143	-0.117	0.082	0.134	117.595148	45.791876	326.23	1594.97
5	GUIDE	used	446582984	6.87	3989	-0.076	-0.148	0.118	0.181	118.016102	45.932990	196.62	431.76
6	GUIDE	used	446584296	8.69	3986	0.273	0.383	0.094	0.145	118.993866	45.871247	-1273.14	-1540.49
7	GUIDE	used	446585392	9.12	3985	0.085	0.003	0.118	0.182	118.063493	45.351037	-1645.62	1434.96

2.4 Star Slots

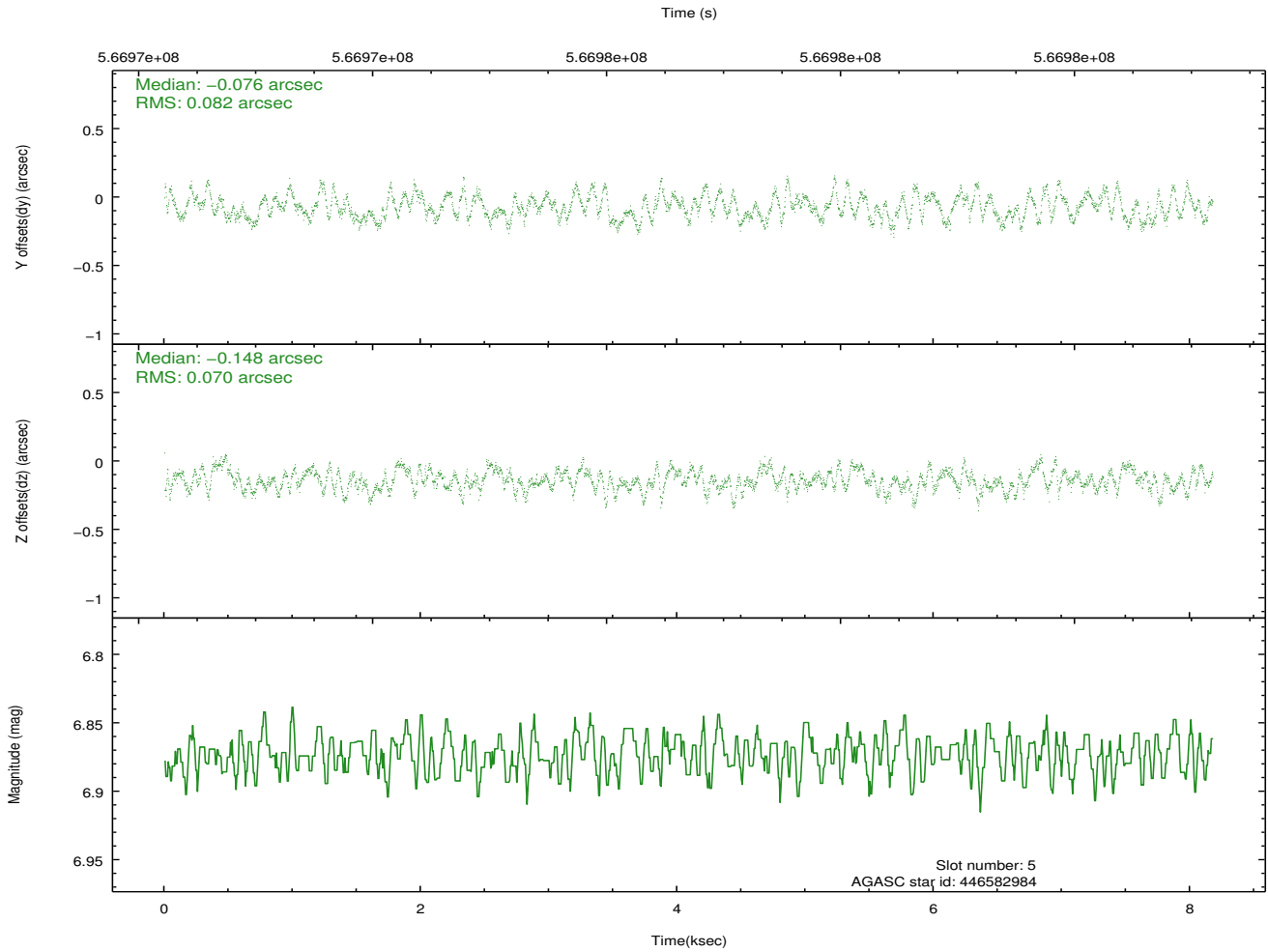
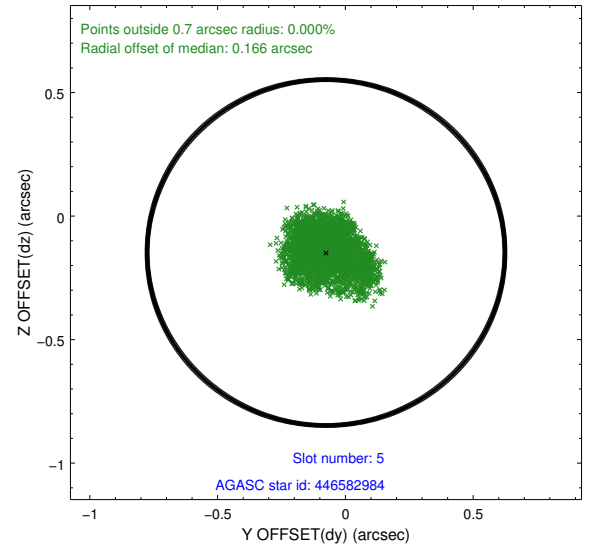
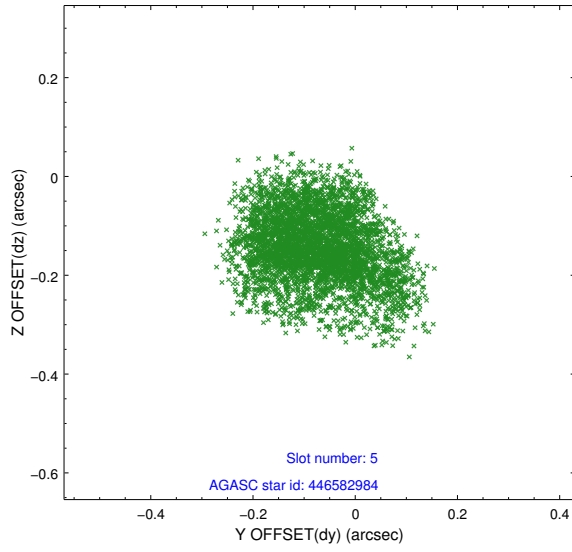
2.4.1 Slot 3



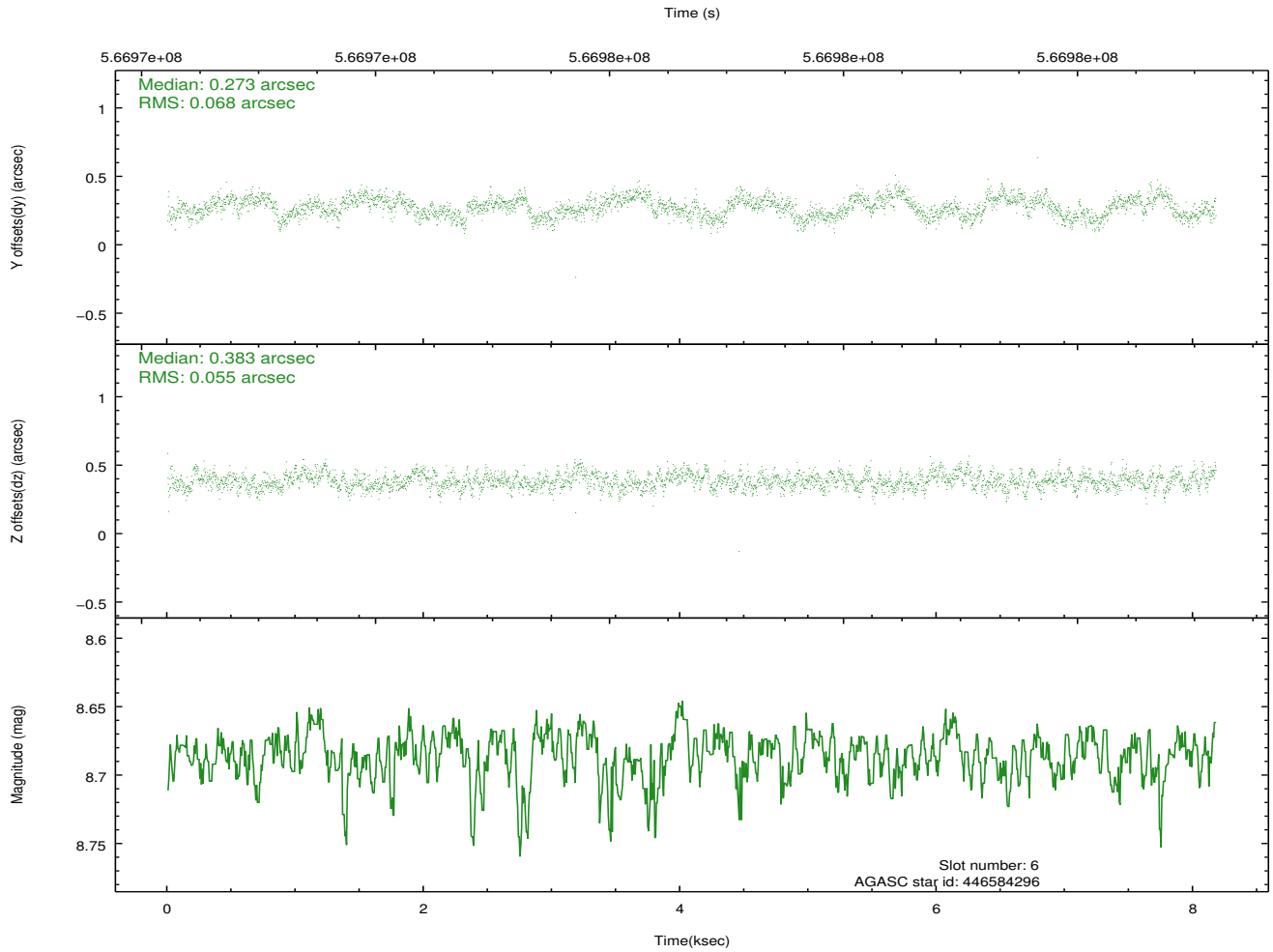
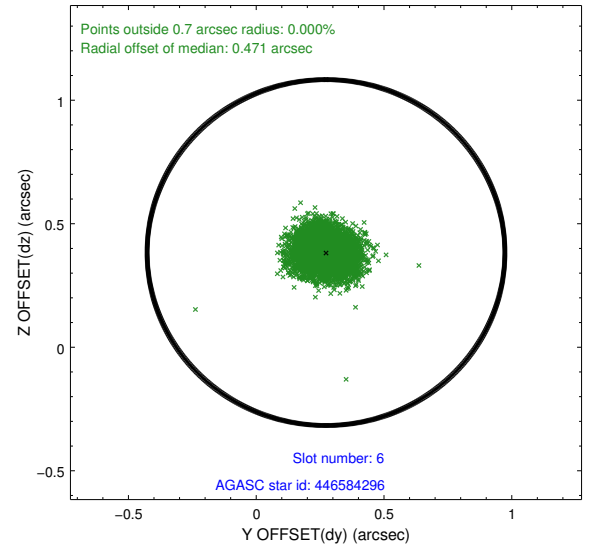
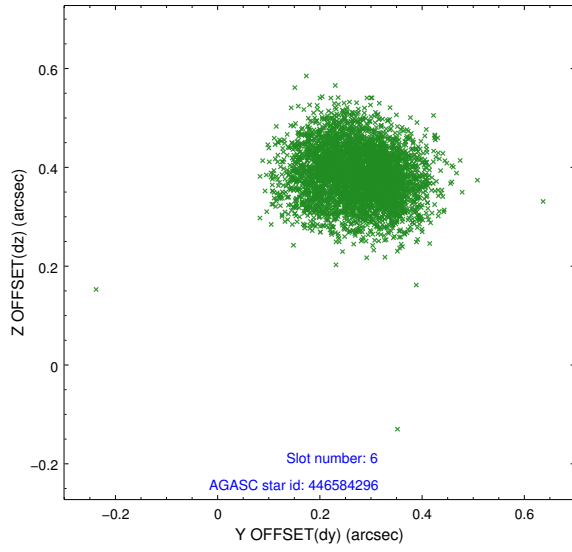
2.4.2 Slot 4



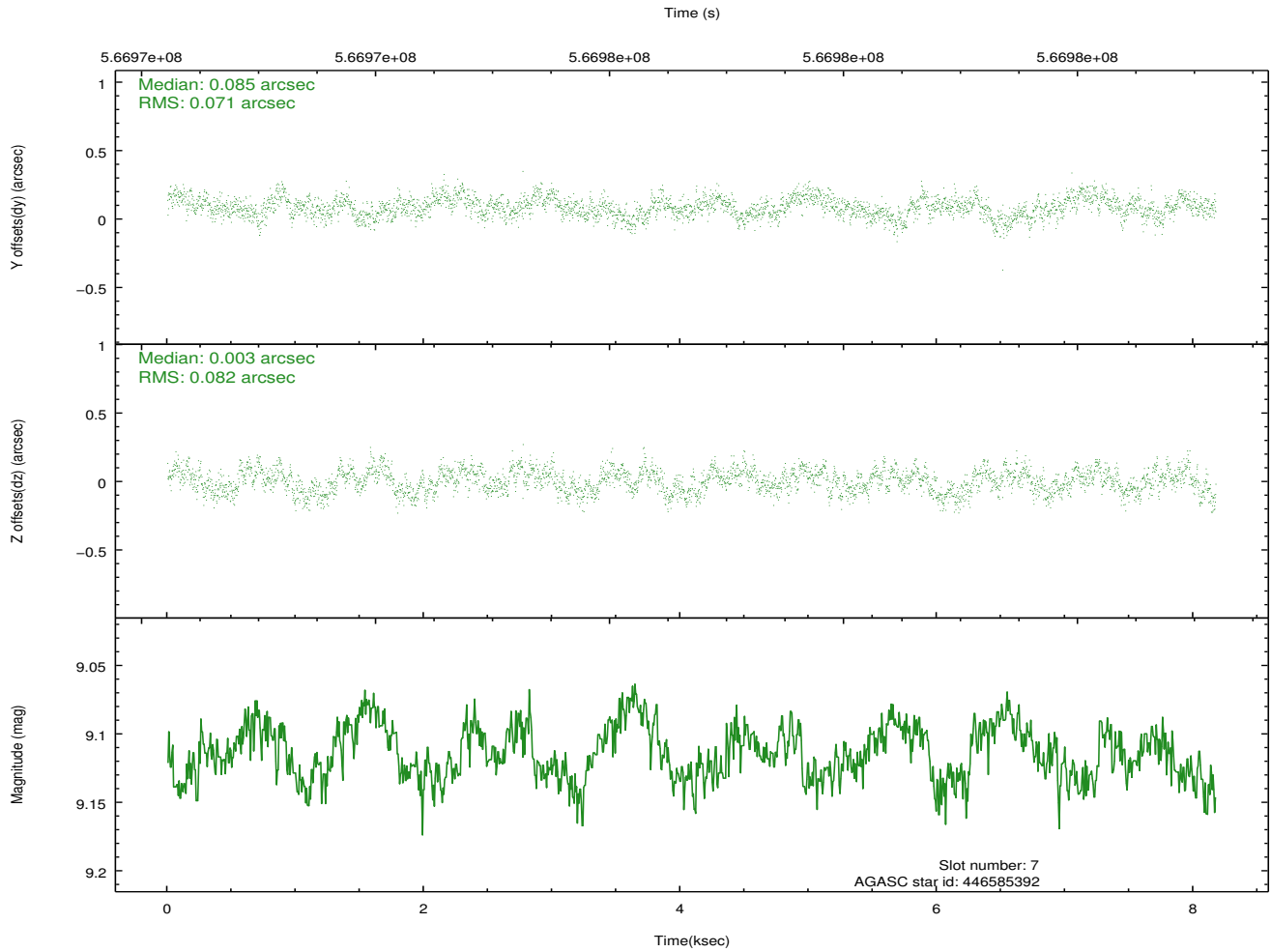
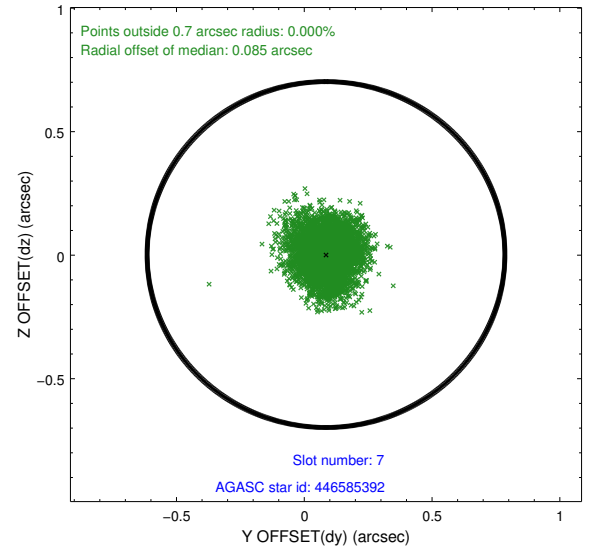
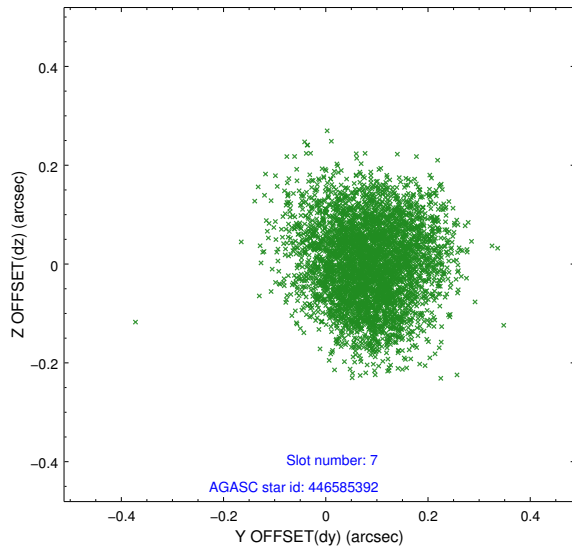
2.4.3 Slot 5



2.4.4 Slot 6

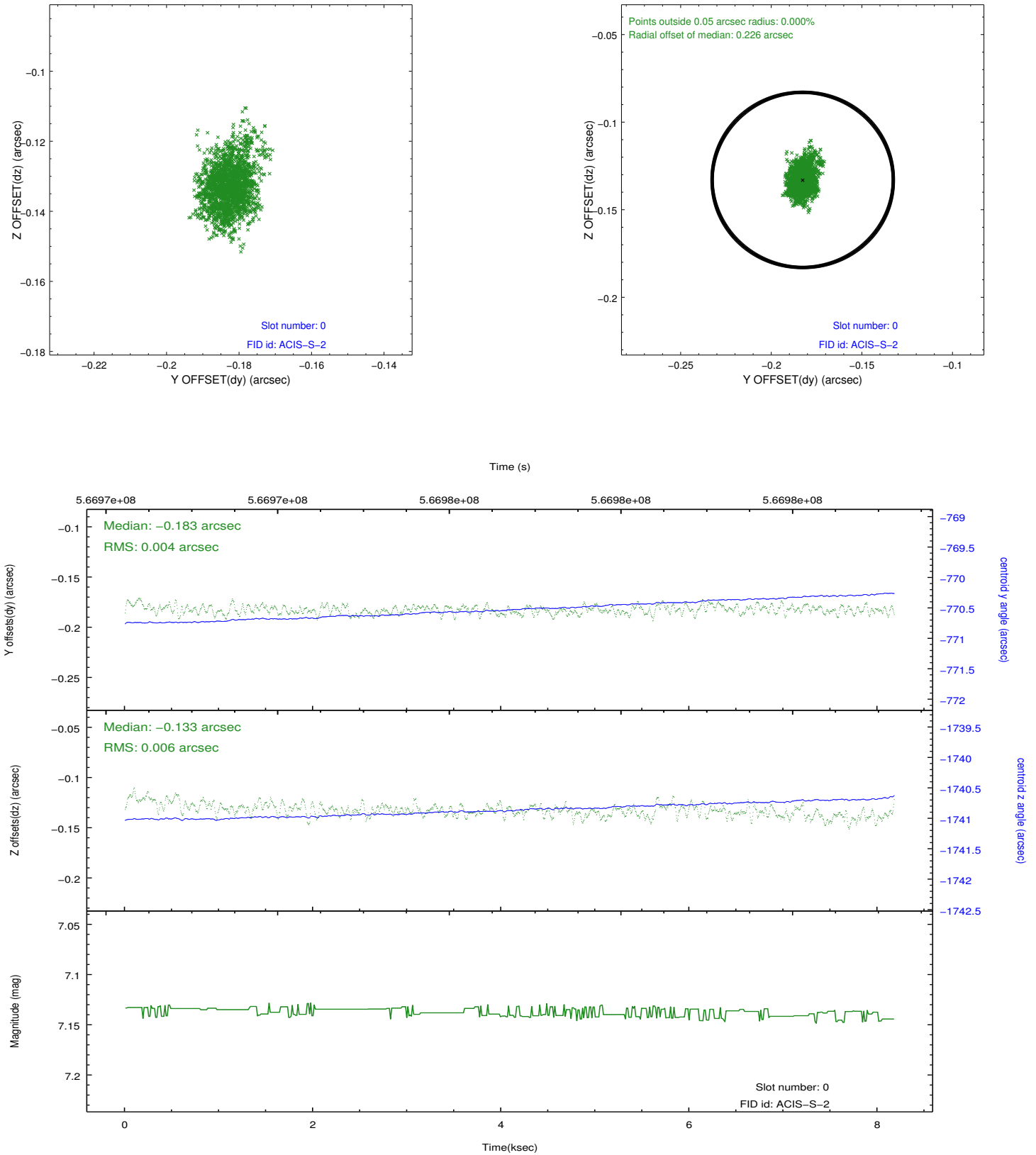


2.4.5 Slot 7

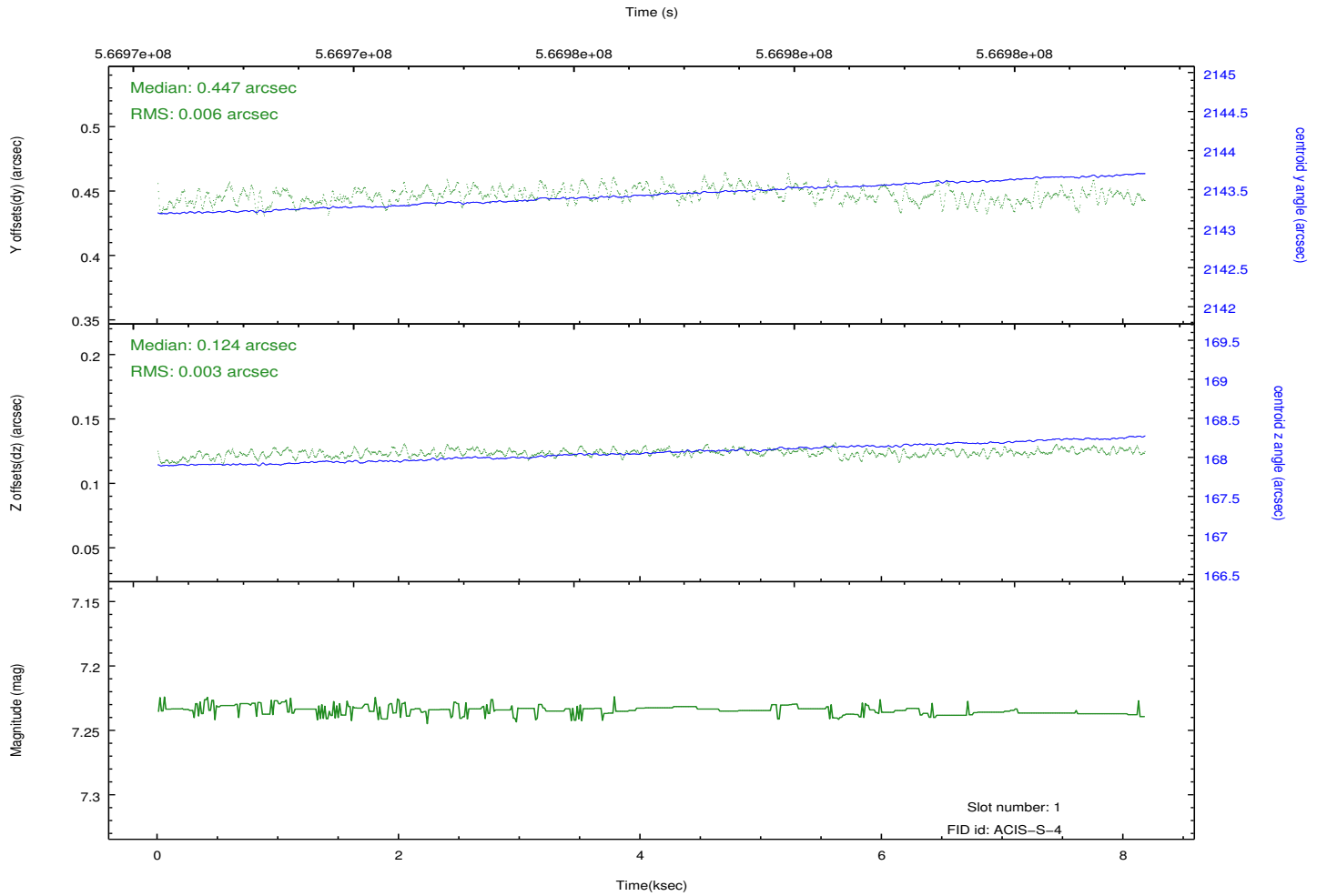
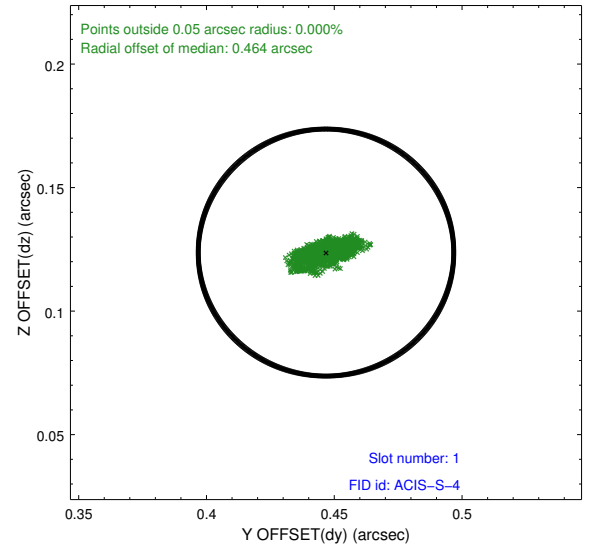
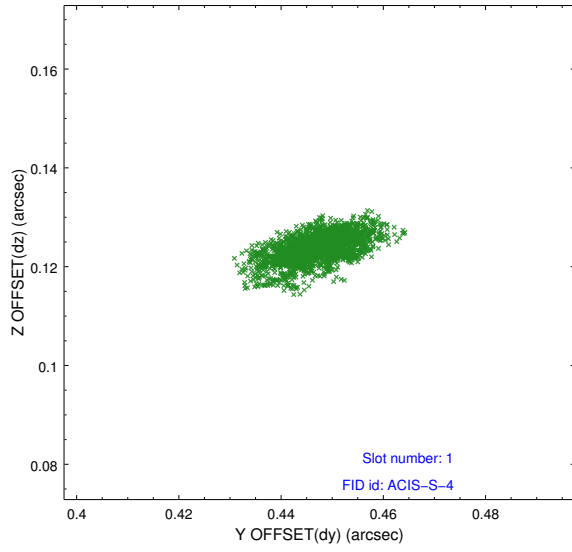


2.5 FID Slots

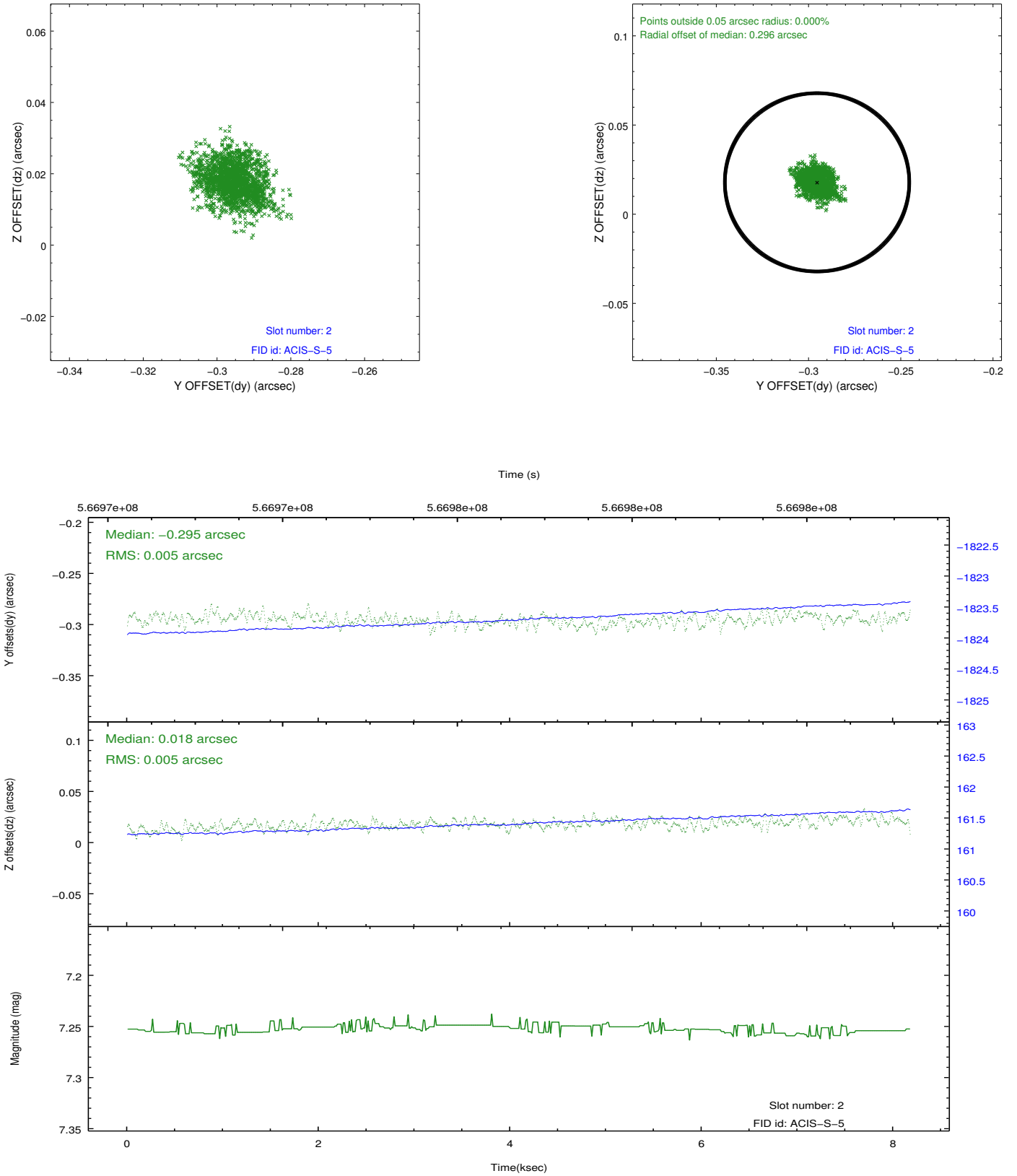
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0445000619888

A.2 Comments