

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11068 - L2 Version 2
Chandra X-Ray Center

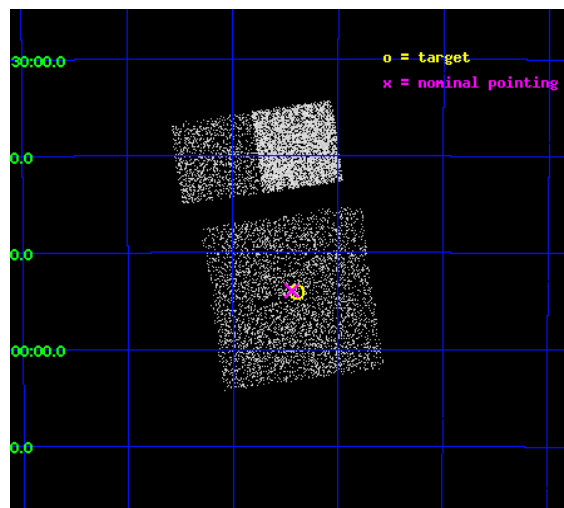
L2 Processing Date : Jun 20 2012

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1 Front

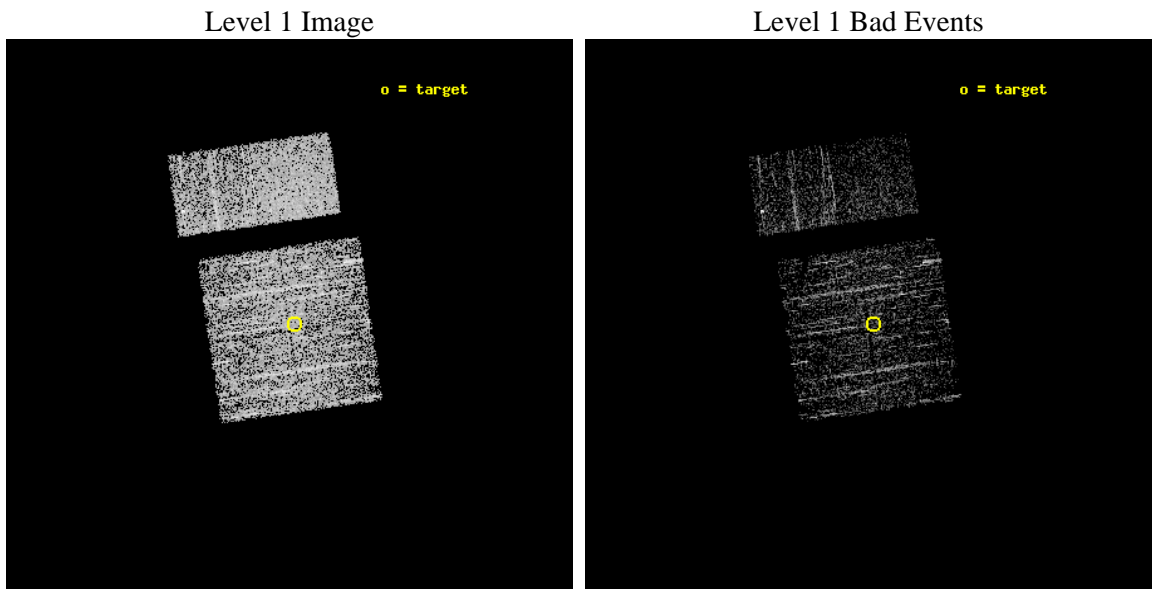
seq_num	401103	Sequence number
obs_id	11068	Observation id
title	Precise Positions of Historically Bright X-ray Binaries	Proposal t
observer	Dr. Alan Levine	Principal investigator
object	GS0836-429	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.348333	Observer's specified target RA [deg]
dec_targ	-42.9005	Observer's specified target Dec [deg]
ra_nom	129.35977298775	Nominal RA [deg]
dec_nom	-42.899392245769	Nominal Dec [deg]
roll_nom	351.73403763917	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1046.3999961615	Sum of GTIs [s]
livetime	1033.1498493436	Livetime [s]
ontime0	1046.3999961615	Sum of GTIs [s]
ontime1	1046.3999961615	Sum of GTIs [s]
ontime2	1046.3999961615	Sum of GTIs [s]
ontime3	1046.3999961615	Sum of GTIs [s]
ontime6	1046.3999961615	Sum of GTIs [s]
ontime7	1046.3999961615	Sum of GTIs [s]
l2events	11222	Number of level 2 events



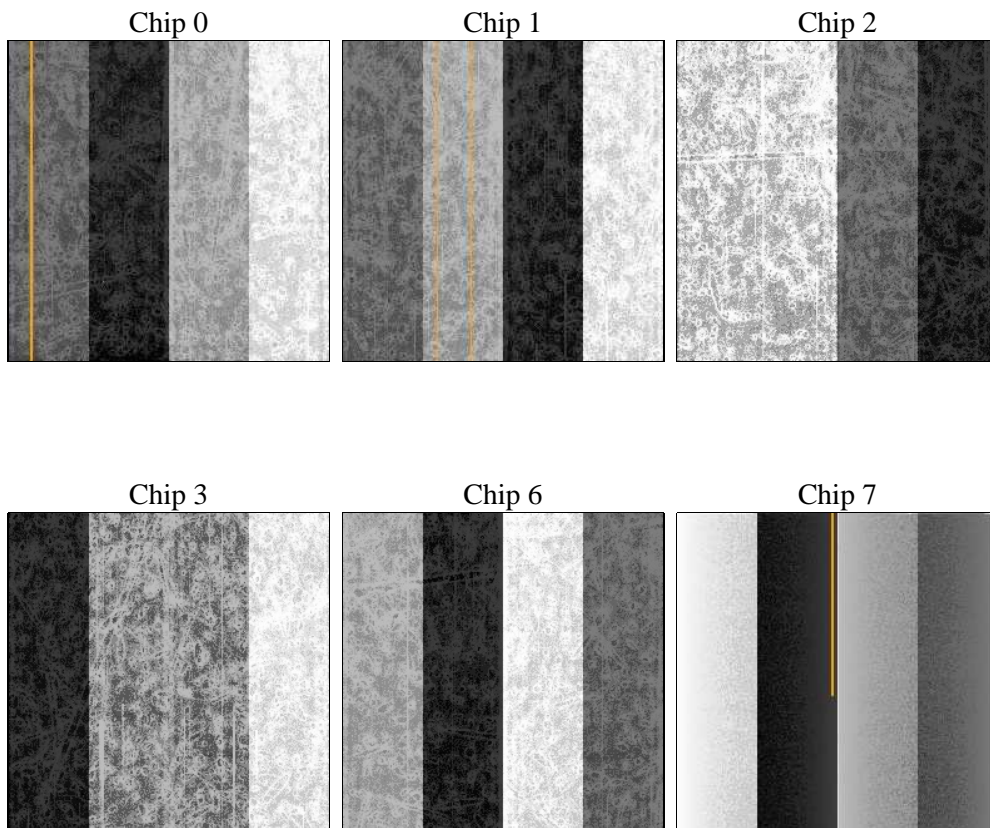
2 OBI

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	1046.3999961615	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	1046.3999961615	Sum of GTIs [s]
date	2012-06-20T23:55:24	Date and time of file creation	ontime1	1046.3999961615	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1046.3999961615	Sum of GTIs [s]
			ontime3	1046.3999961615	Sum of GTIs [s]
			ontime6	1046.3999961615	Sum of GTIs [s]
			ontime7	1046.3999961615	Sum of GTIs [s]
			l1events	55472	Number of level 1 events

2.1.4 Events

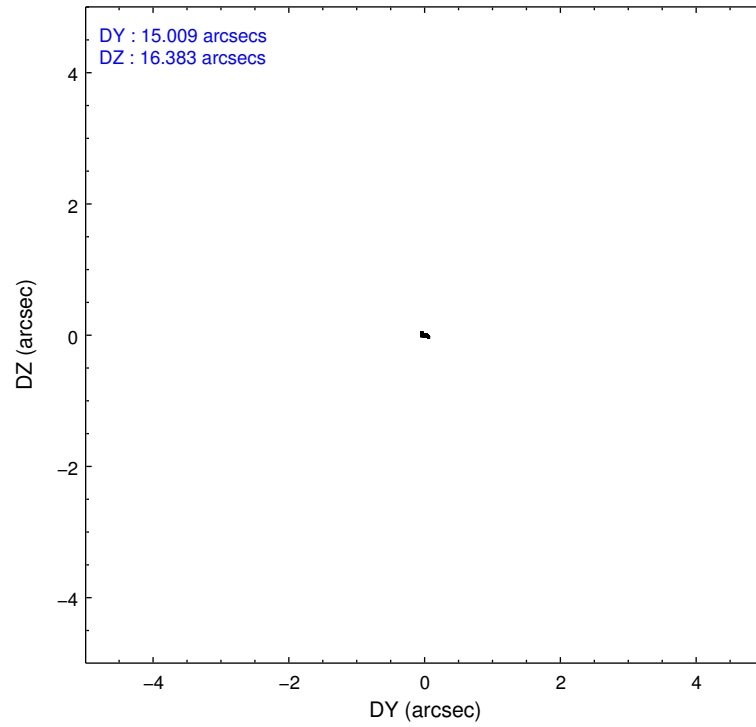
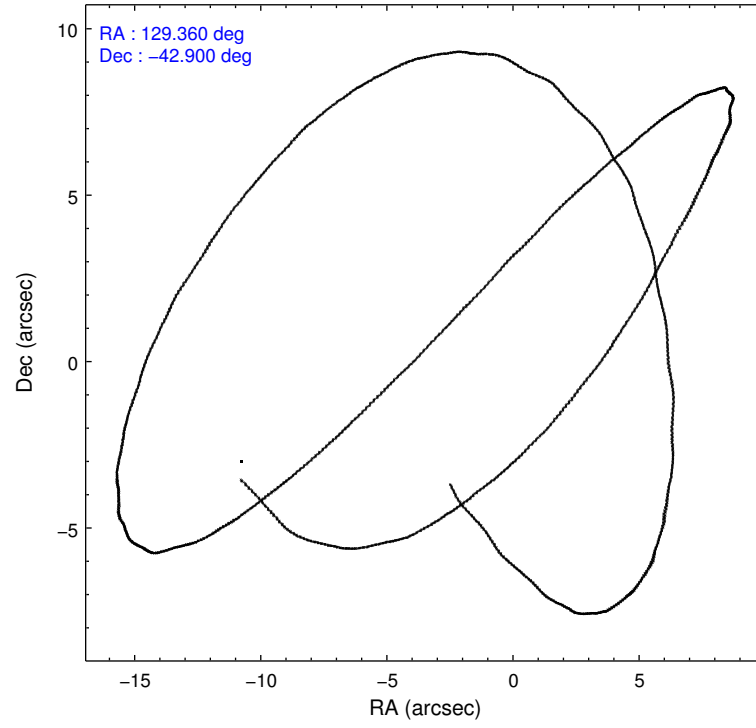
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	8708	8045	9360	8996	9197	11166
rejected events	7264	6661	8095	7879	7782	5577
rejected %	83%	82%	86%	87%	84%	49%

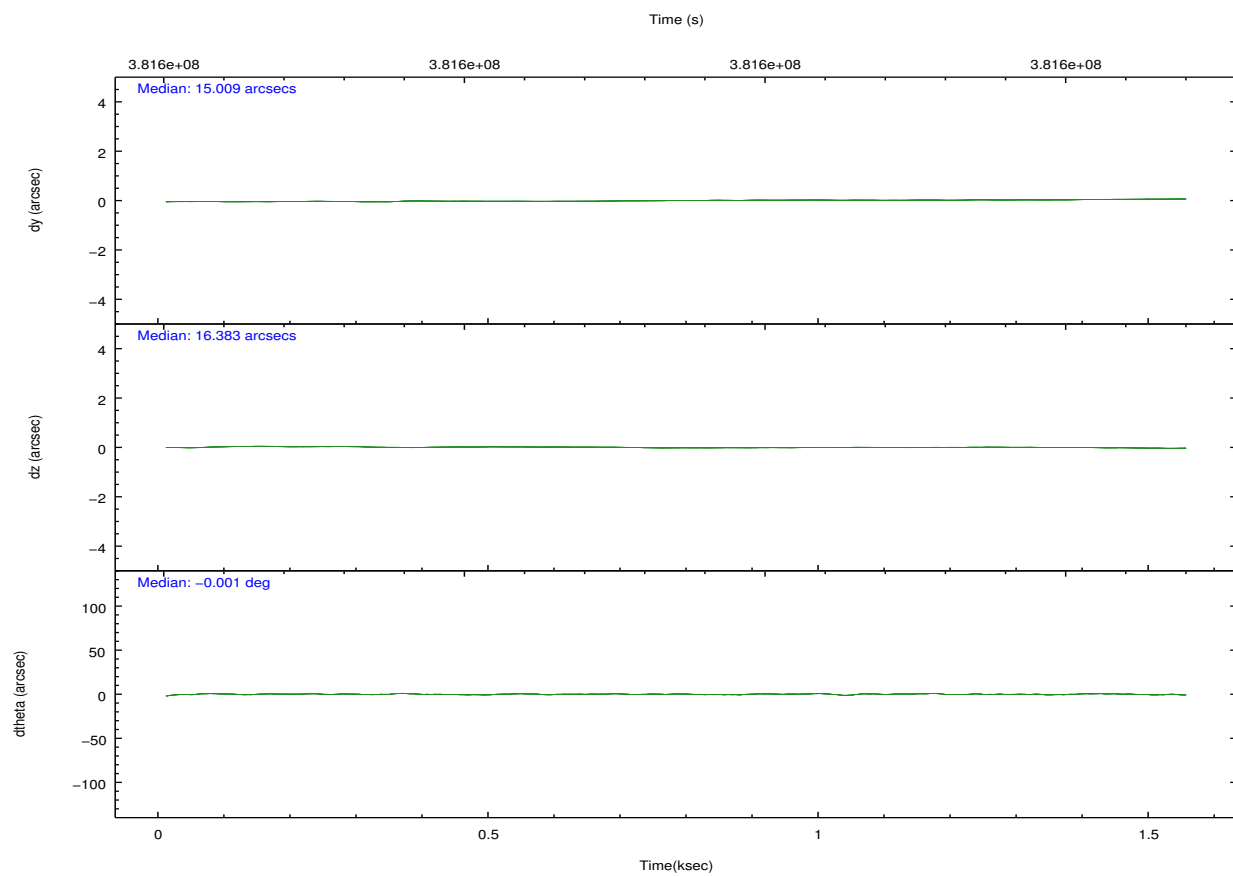
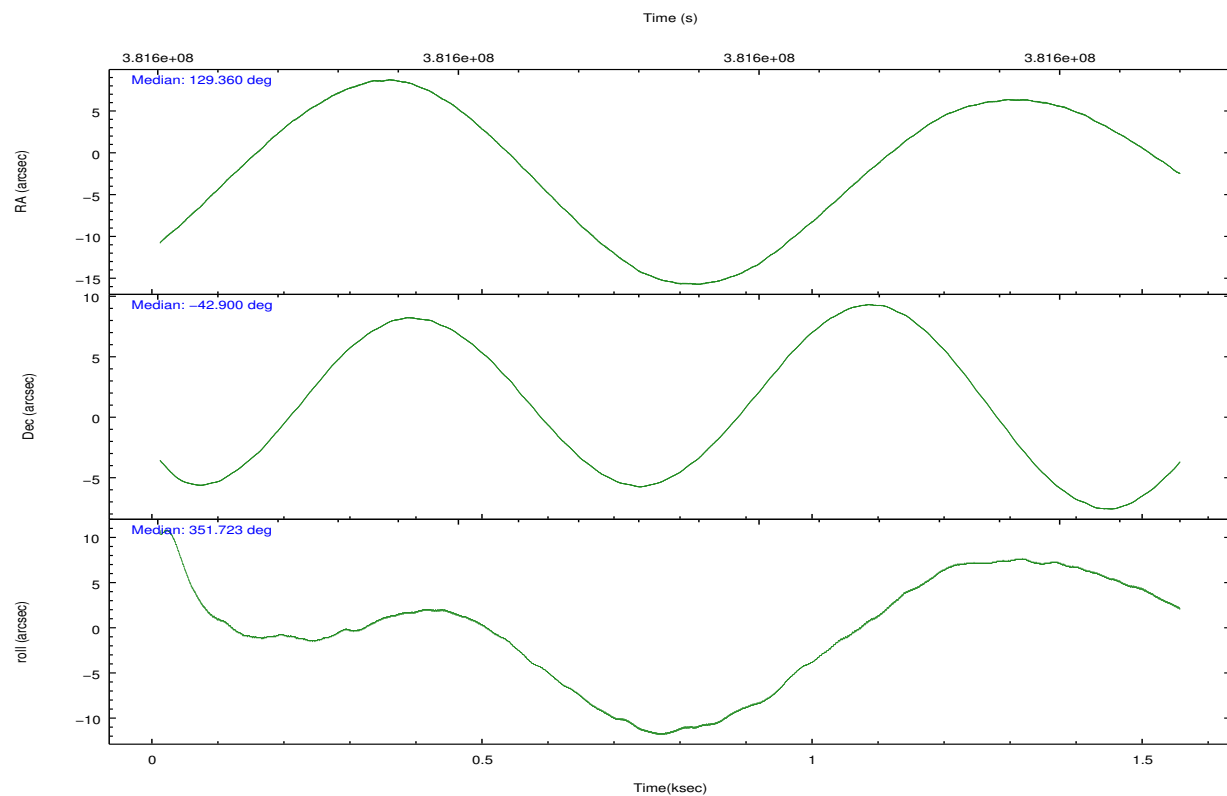
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	798	716	699	532	793	1016
	9%	8%	7%	5%	8%	9%
grade 1 events	11	5	6	10	131	18
	0%	0%	0%	0%	1%	0%
grade 2 events	261	241	237	189	231	1116
	2%	2%	2%	2%	2%	9%
grade 3 events	107	107	89	104	101	512
	1%	1%	0%	1%	1%	4%
grade 4 events	96	116	79	106	111	463
	1%	1%	0%	1%	1%	4%
grade 5 events	365	343	328	366	389	1057
	4%	4%	3%	4%	4%	9%
grade 6 events	193	211	171	193	198	2515
	2%	2%	1%	2%	2%	22%
grade 7 events	6877	6306	7751	7496	7243	4469
	78%	78%	82%	83%	78%	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	129.324418	129.3597729877456	CCD I2 on	Y	Y
[deg] Pointing Dec	-42.909517	-42.89939224576923	CCD I3 on	Y	Y
[deg] Pointing Roll	351.501181	351.7340376391677	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	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	381598126.184000	381596939.04626	CCD S5 on	N	N
Observation start date	2010-02-03T15:27:40	2010-02-03T15:08:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	381599126.184000	381599835.6964	On-chip summing requested	N	N
Observation end date	2010-02-03T15:44:20	2010-02-03T15:57:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



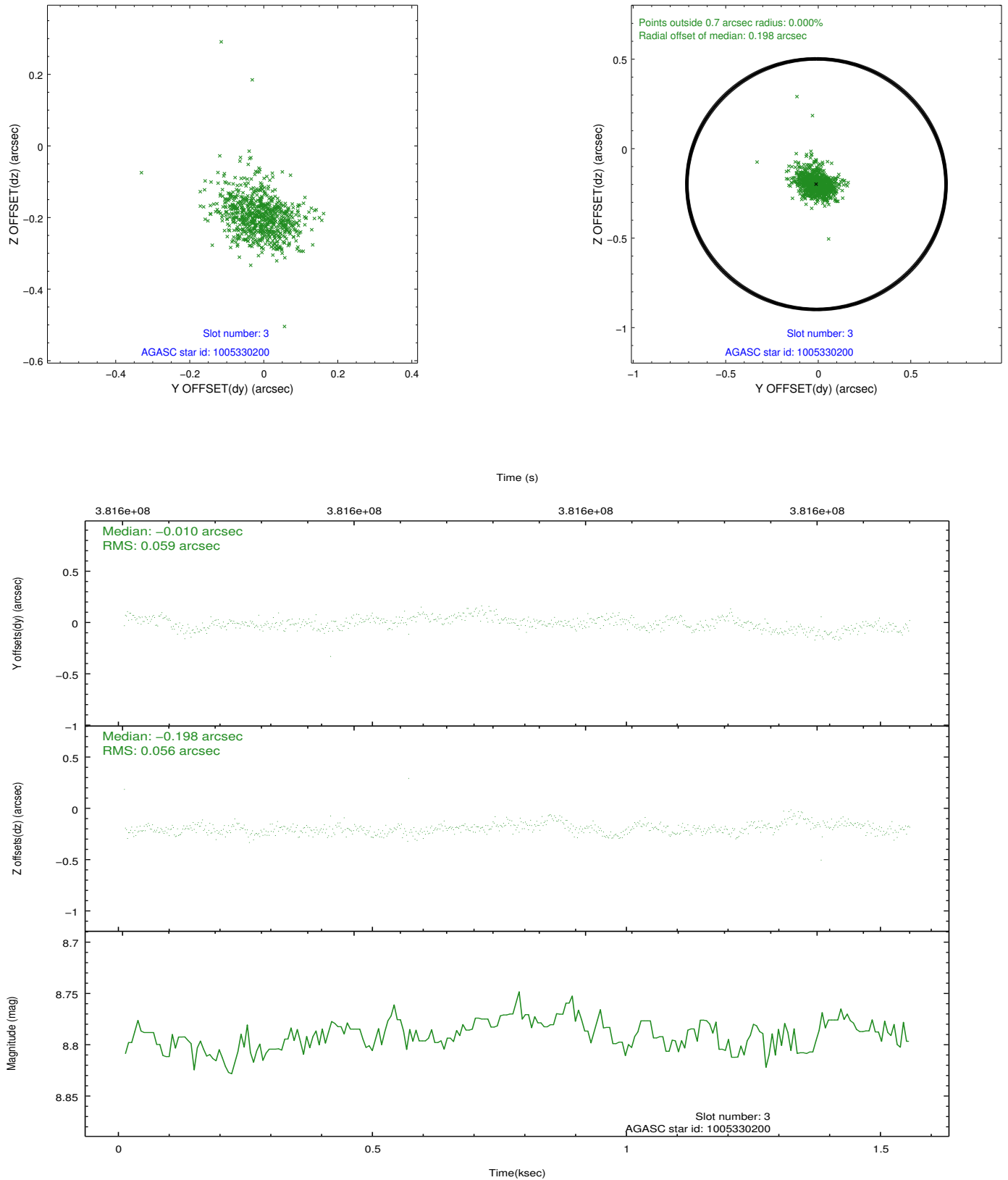


Slot Statistics

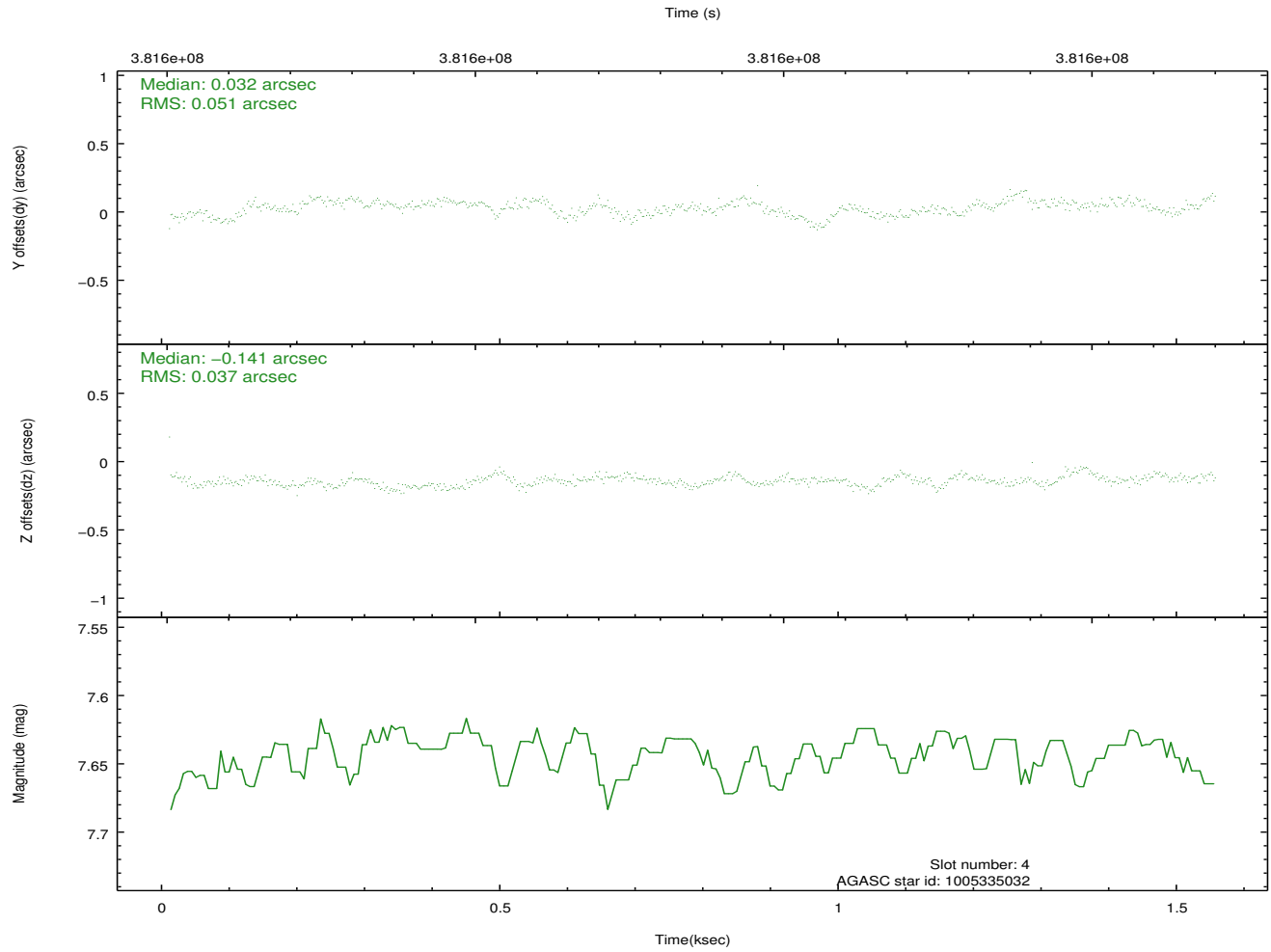
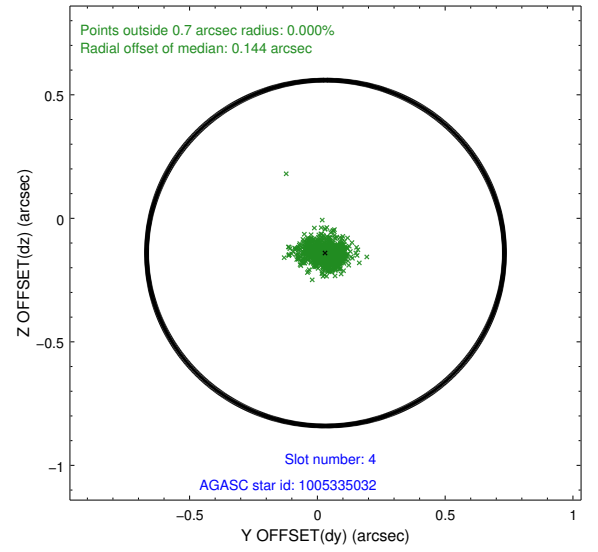
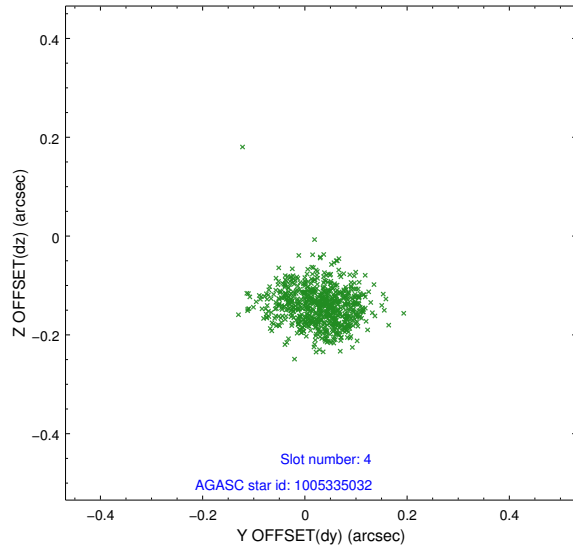
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	377	0.056	-0.029	0.006	0.012	0.000000	0.000000	924.50	-840.06
1	FID	ACIS-I-5	7.02	377	-0.214	0.058	0.006	0.009	0.000000	0.000000	-1821.49	1055.40
2	FID	ACIS-I-6	7.03	377	0.066	0.042	0.006	0.012	0.000000	0.000000	385.42	1704.71
3	GUIDE	1005330200	8.79	755	-0.010	-0.198	0.081	0.139	129.469765	-42.559278	193.39	1304.09
4	GUIDE	1005335032	7.64	754	0.032	-0.141	0.066	0.106	128.904941	-42.560458	-1286.61	1077.84
5	GUIDE	1005848792	8.24	755	-0.002	-0.027	0.063	0.103	129.279861	-43.533078	214.02	-2234.85
6	GUIDE	1005850760	9.08	754	-0.159	0.155	0.114	0.191	129.553483	-43.430390	868.92	-1768.78
7	GUIDE	1005872064	9.37	750	0.134	0.210	0.111	0.174	128.633333	-43.480879	-1479.93	-2310.13

2.4 Star Slots

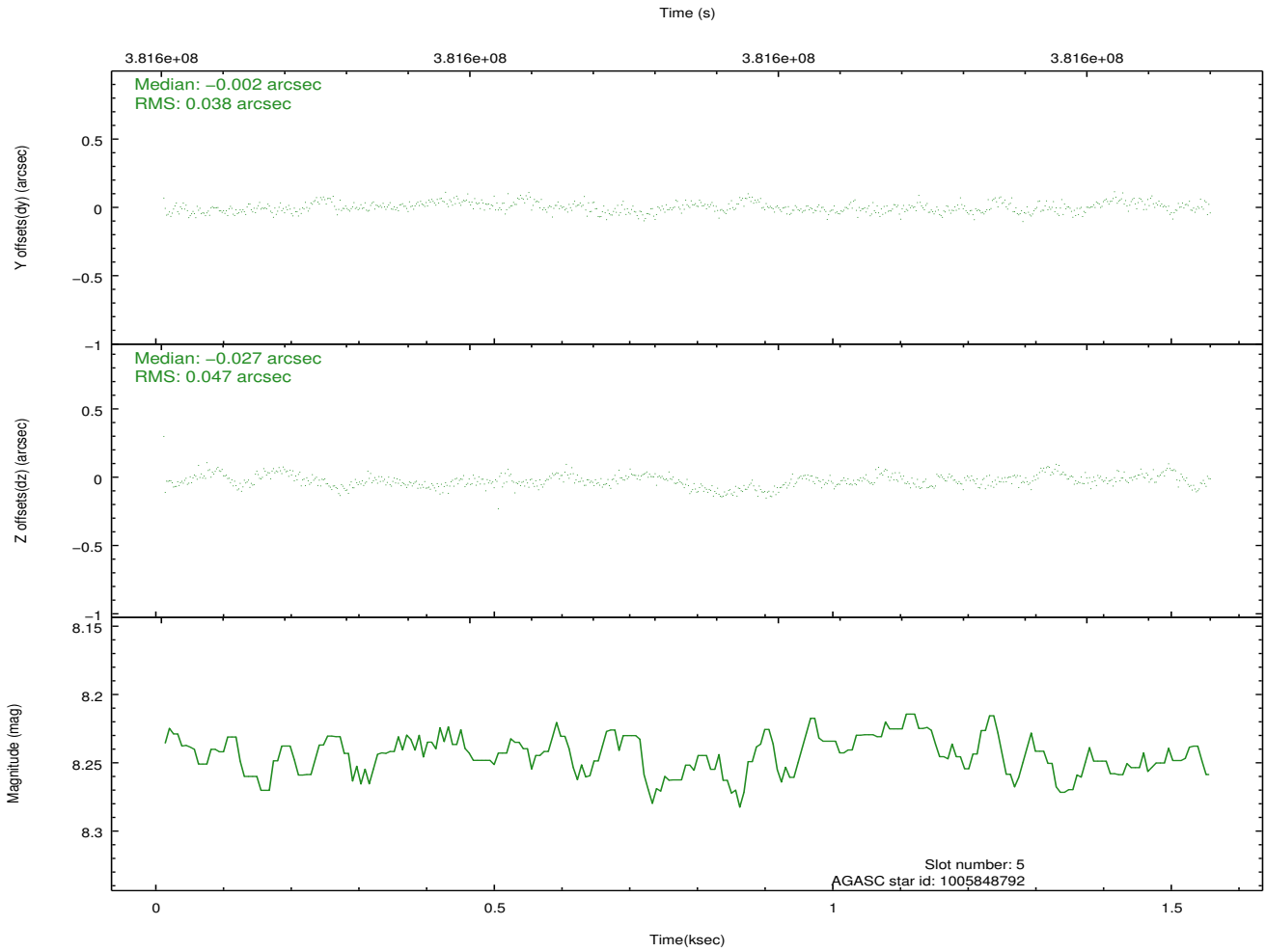
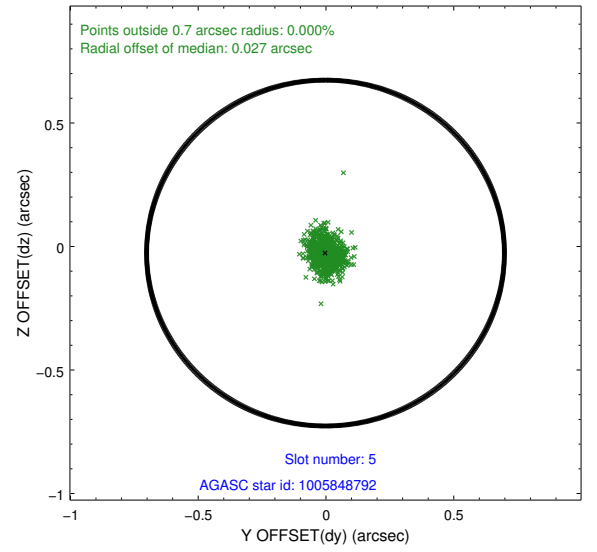
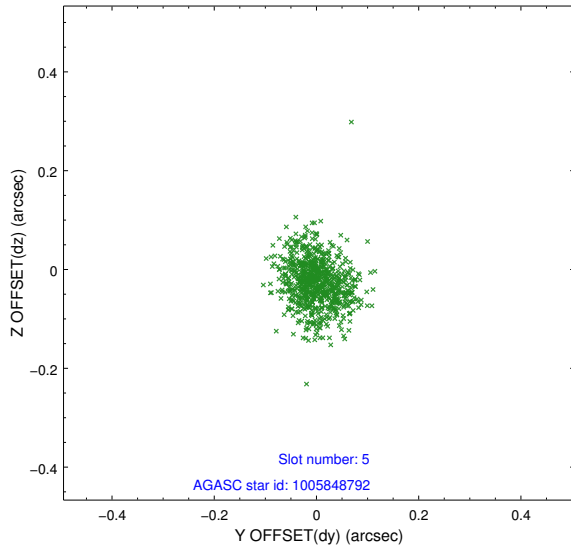
2.4.1 Slot 3



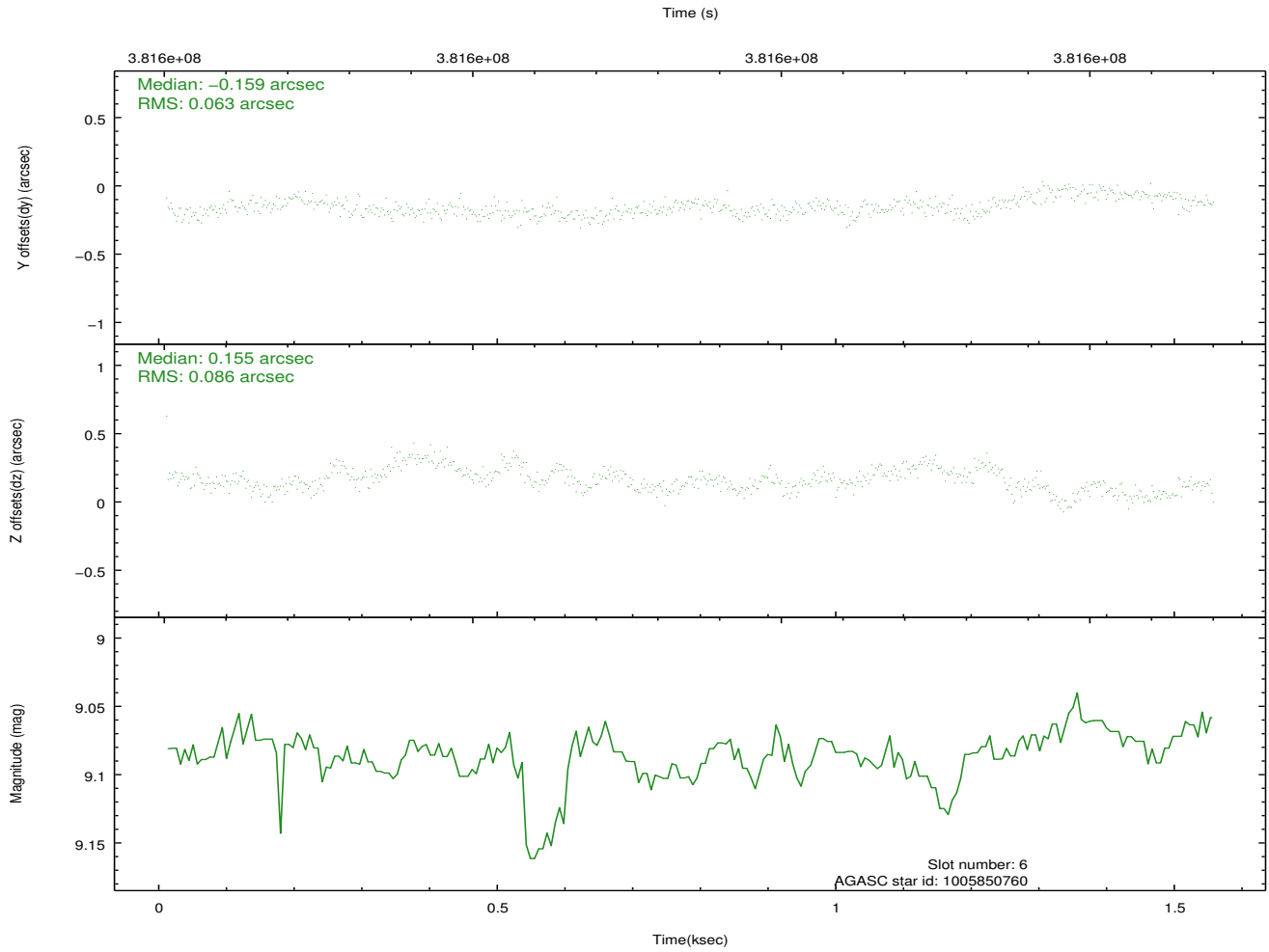
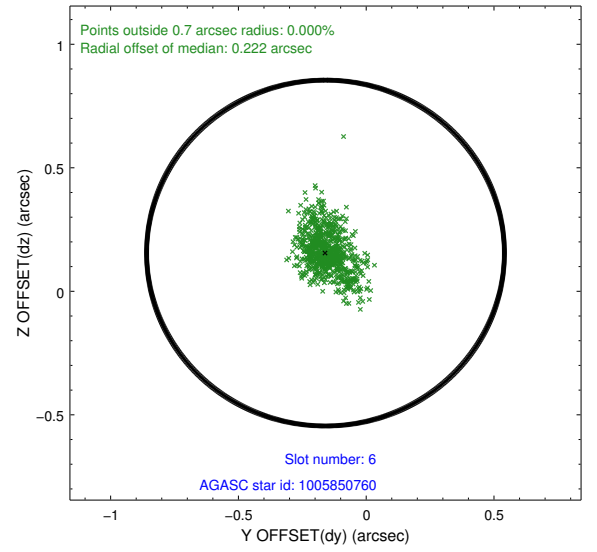
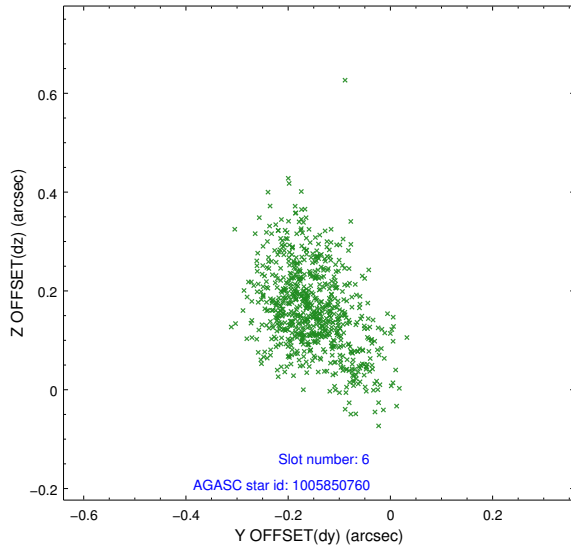
2.4.2 Slot 4



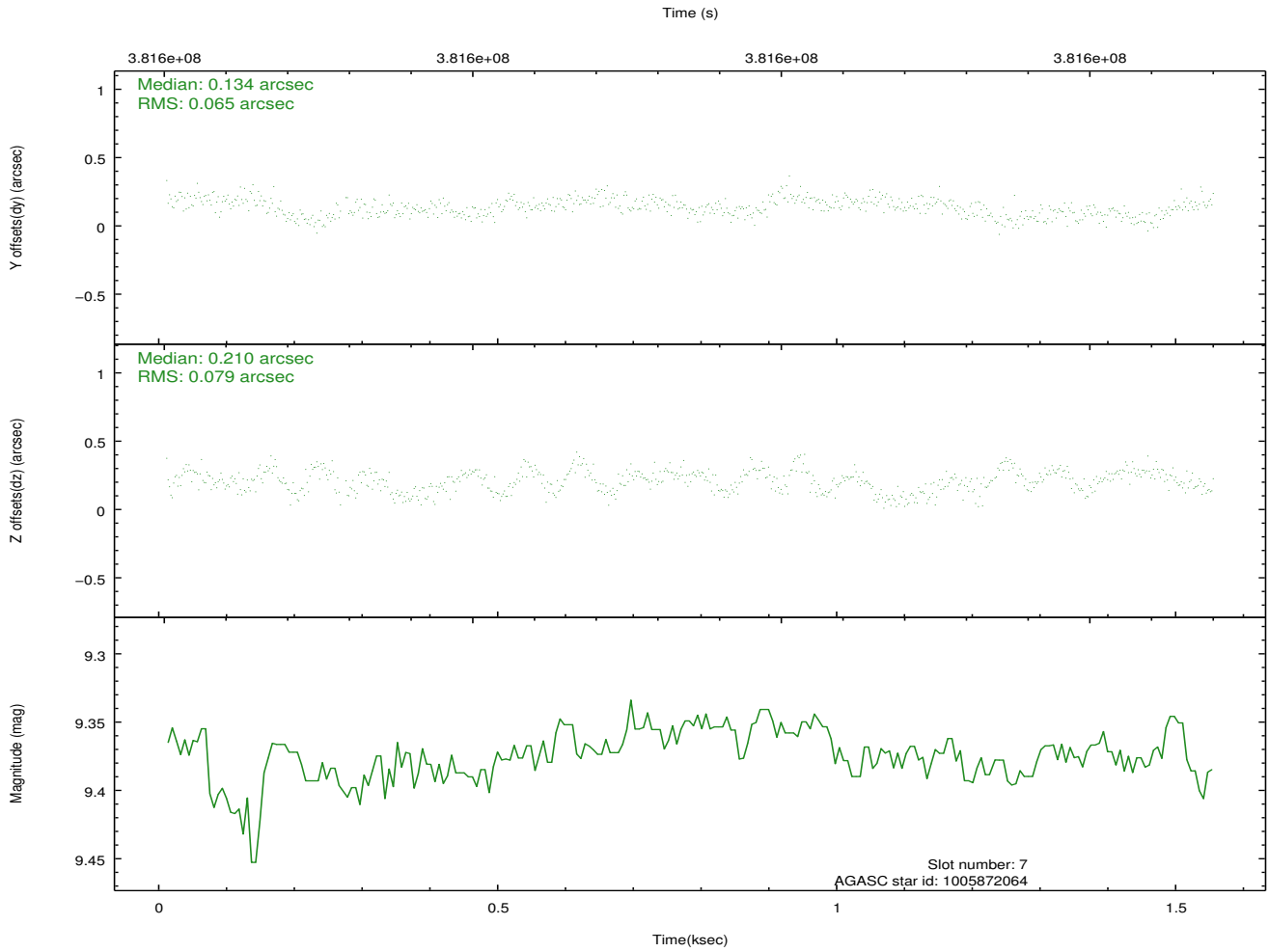
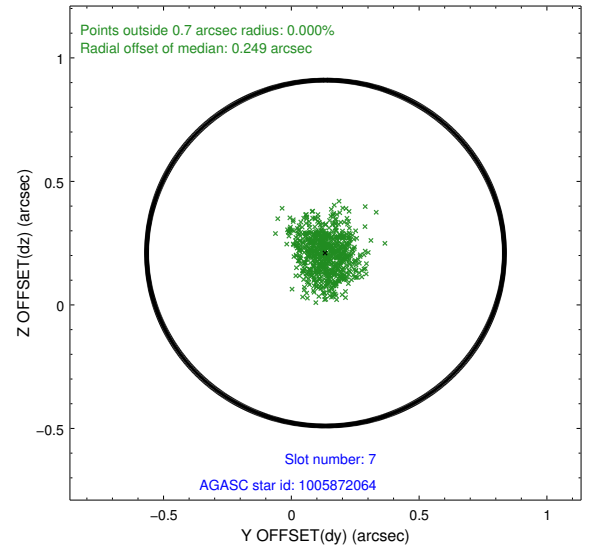
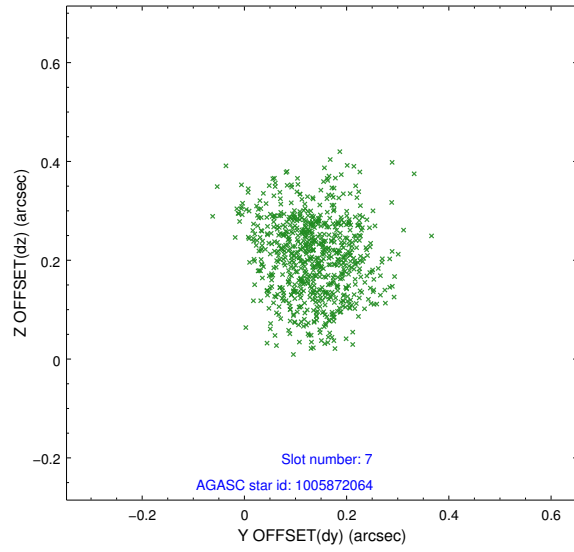
2.4.3 Slot 5



2.4.4 Slot 6

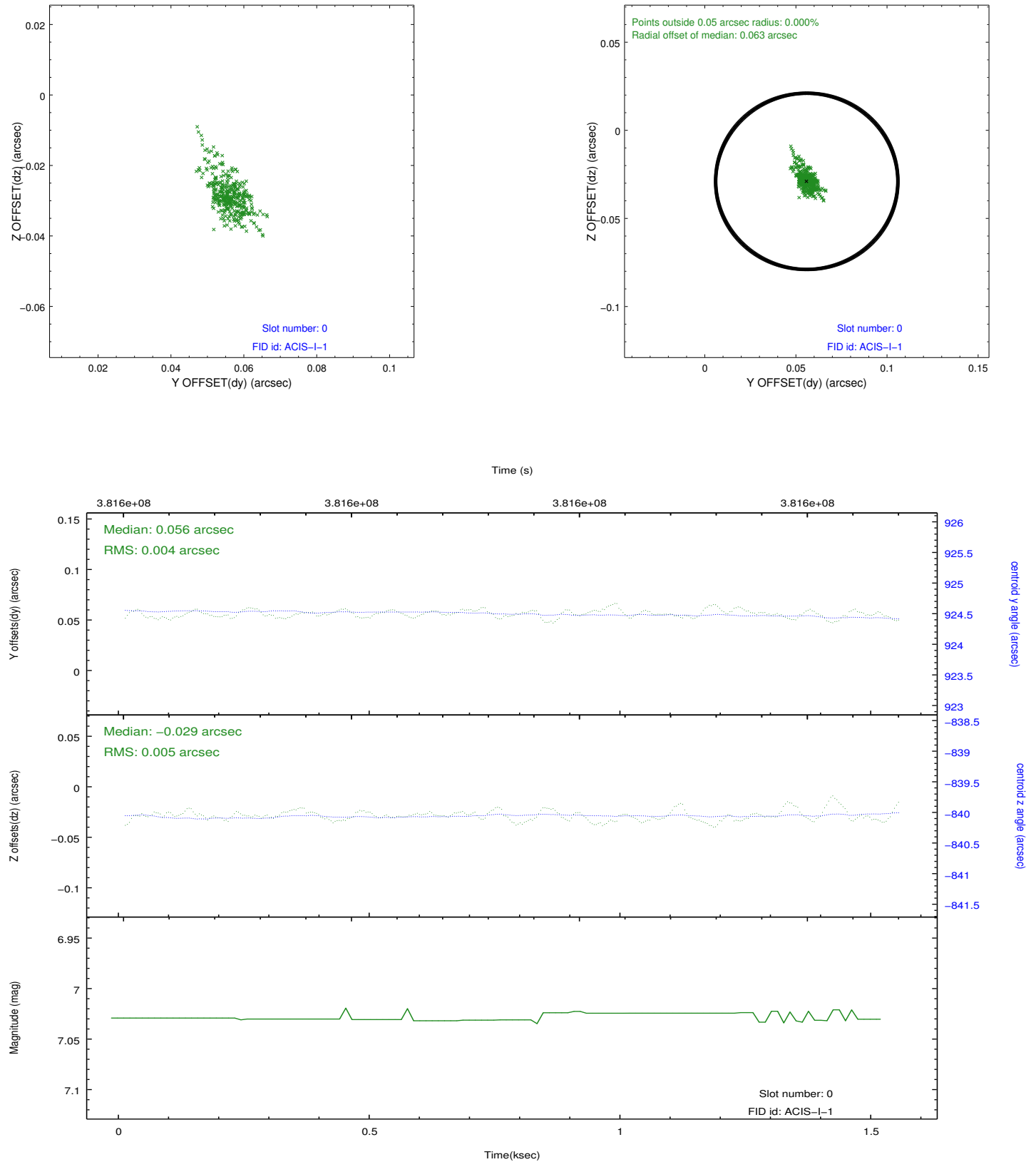


2.4.5 Slot 7

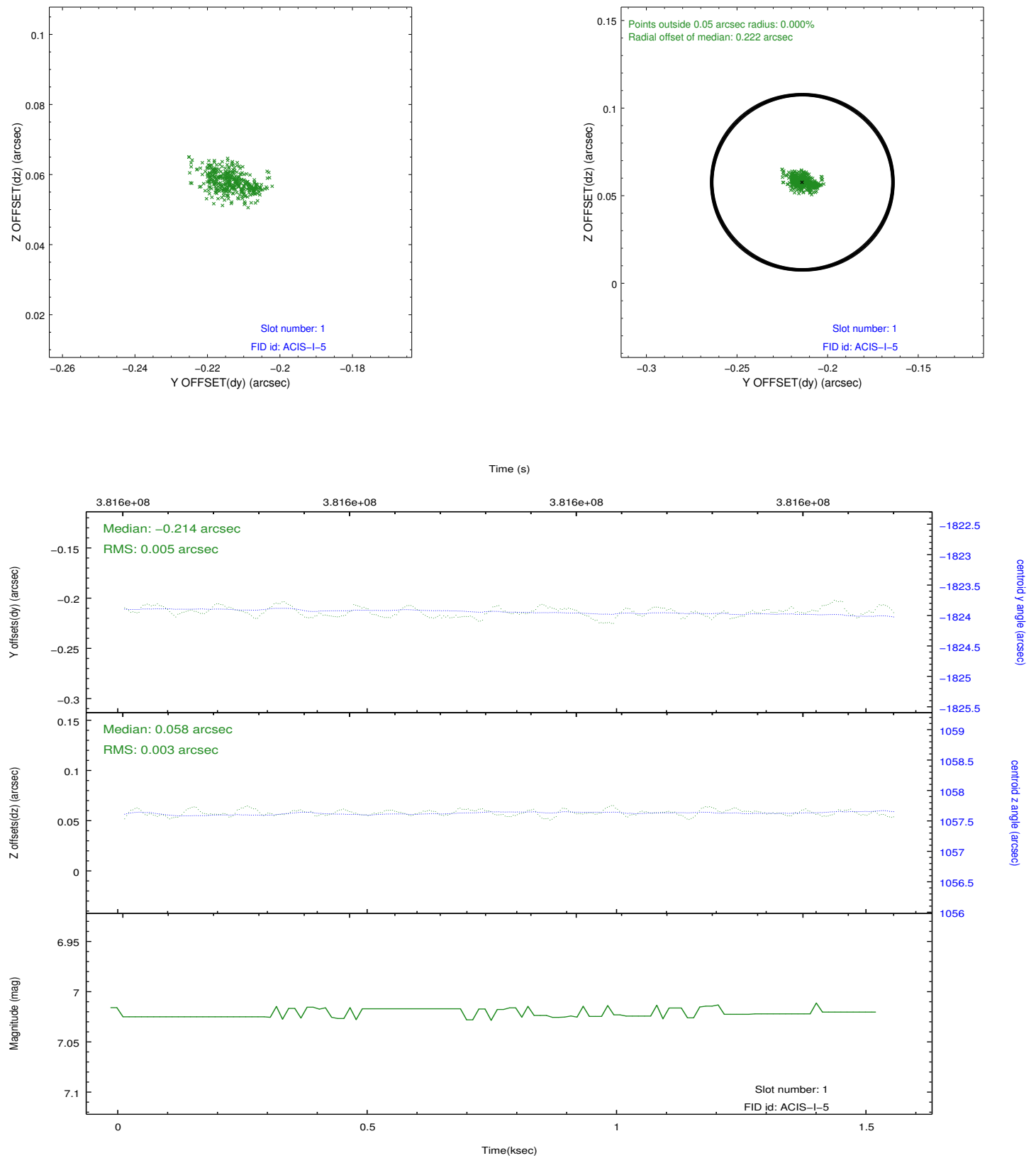


2.5 FID Slots

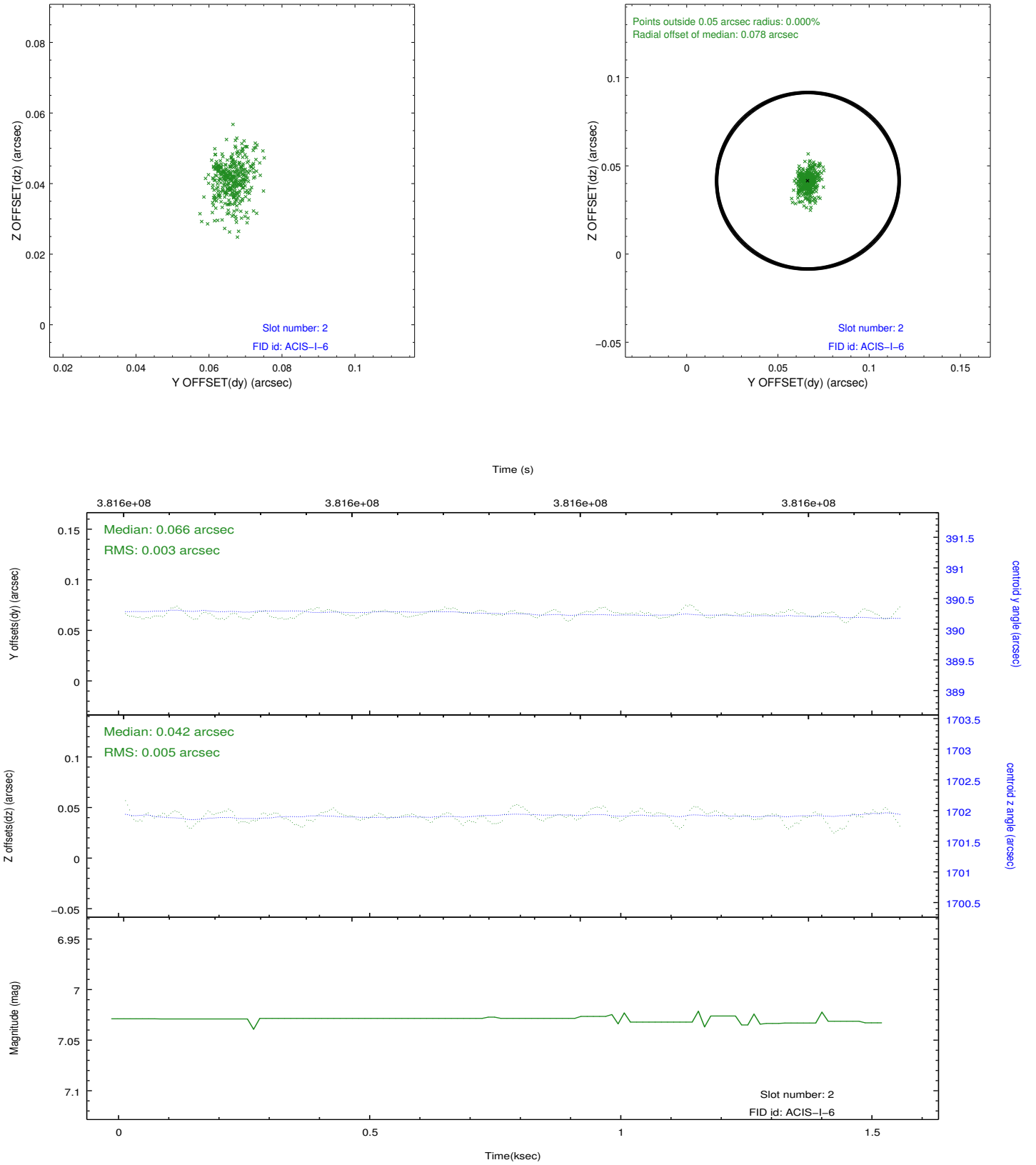
2.5.1 Slot 0



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)	2012.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.0463999961615

A.2 Comments