

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8606 - L2 Version 2
Chandra X-Ray Center

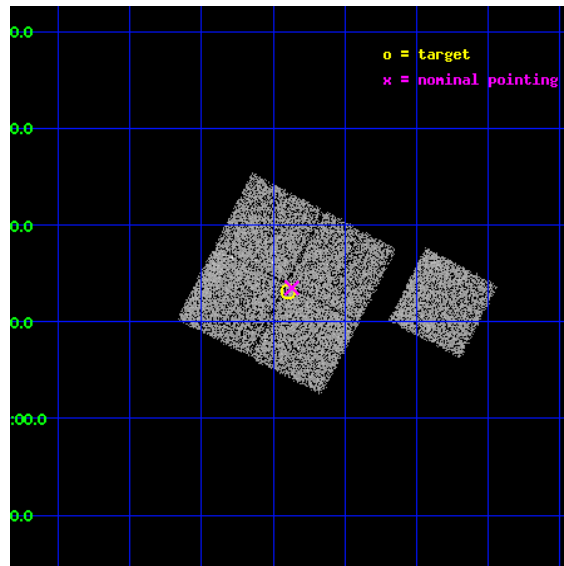
L2 Processing Date : May 19 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

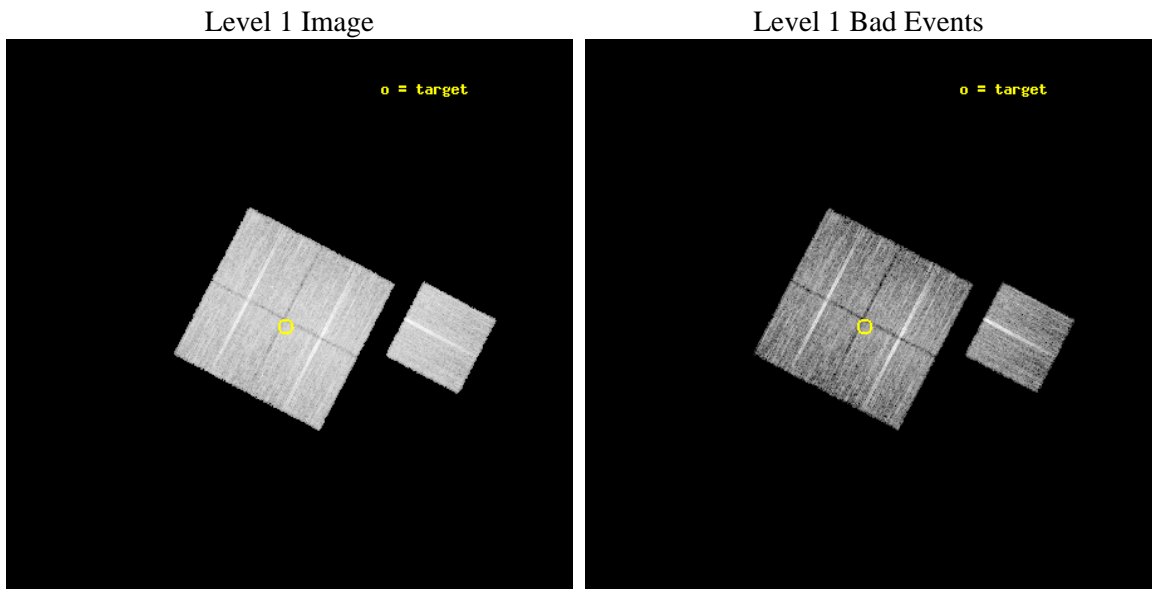
seq_num	900743	Sequence number
obs_id	8606	Observation id
title	Chandra Observations of the DEEP2 Fields	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	DEEP2 Field 3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	352.9733	Observer's specified target RA [deg]
dec_targ	0.219385	Observer's specified target Dec [deg]
ra_nom	352.96757503251	Nominal RA [deg]
dec_nom	0.2251145838129	Nominal Dec [deg]
roll_nom	117.50871594891	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8949.6180881858	Sum of GTIs [s]
livetime	8832.6847392507	Livetime [s]
ontime0	8955.9000688791	Sum of GTIs [s]
ontime1	8955.9000688791	Sum of GTIs [s]
ontime2	8952.7590785027	Sum of GTIs [s]
ontime3	8949.6180881858	Sum of GTIs [s]
ontime6	8955.9000688791	Sum of GTIs [s]
l2events	31658	Number of level 2 events



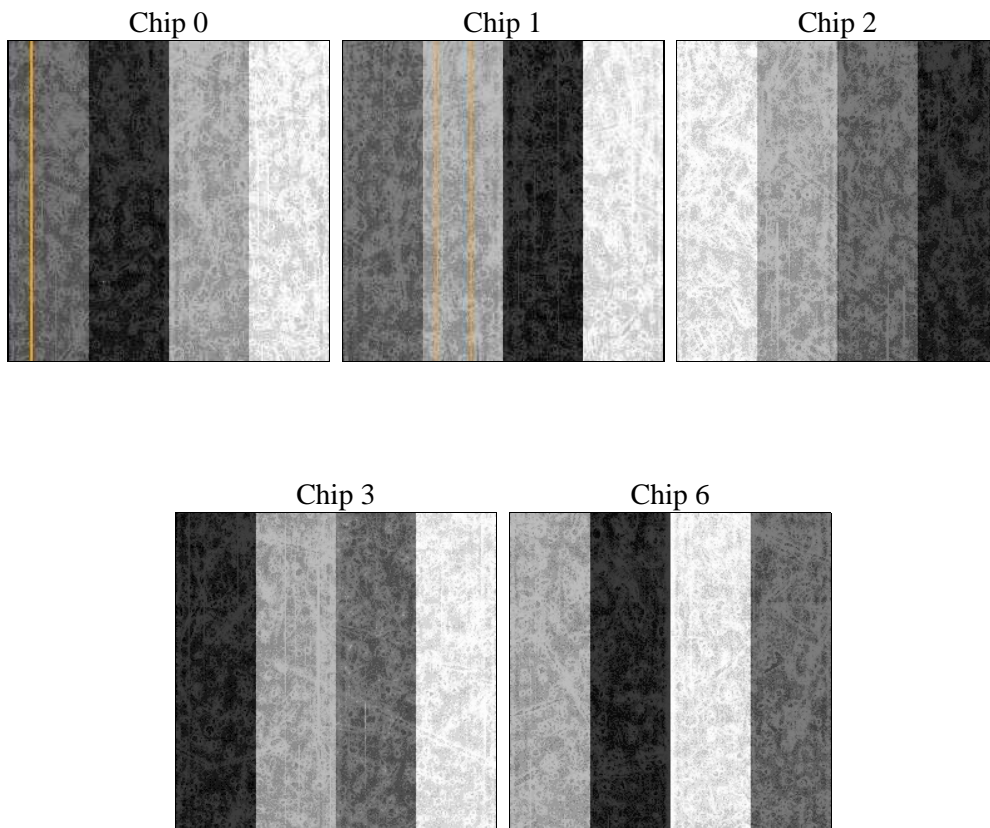
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8771.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8949.6180881858	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8955.9000688791	Sum of GTIs [s]
date	2012-05-19T01:57:28	Date and time of file creation	ontime1	8955.9000688791	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8952.7590785027	Sum of GTIs [s]
			ontime3	8949.6180881858	Sum of GTIs [s]
			ontime6	8955.9000688791	Sum of GTIs [s]
			l1events	377739	Number of level 1 events

2.1.4 Events

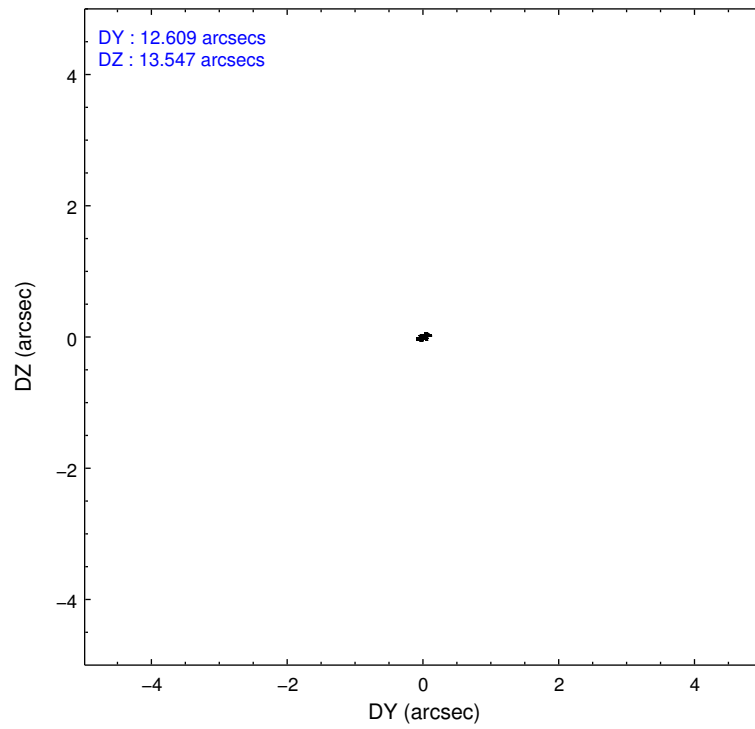
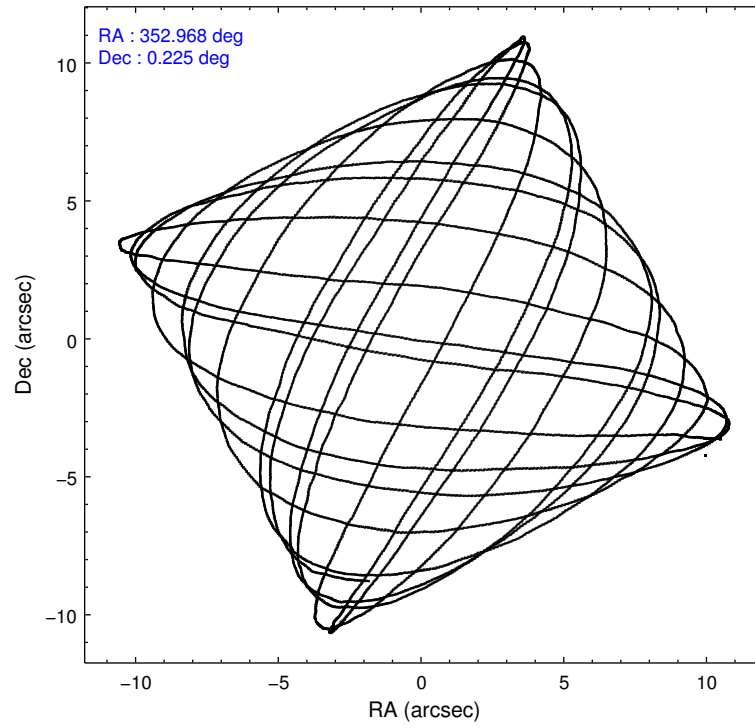
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	72979	72356	80148	75773	76483
rejected events	65267	64103	72633	68650	68980
rejected %	89%	88%	90%	90%	90%

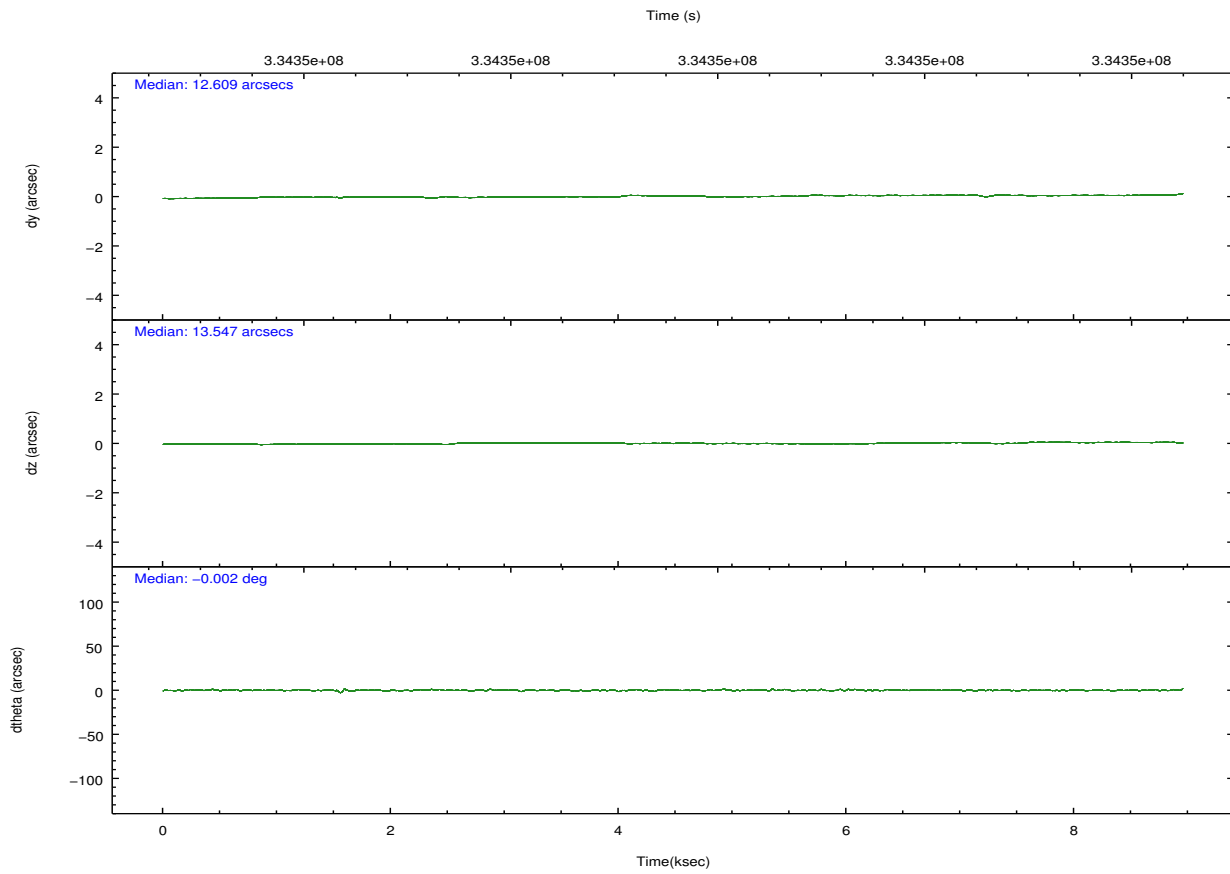
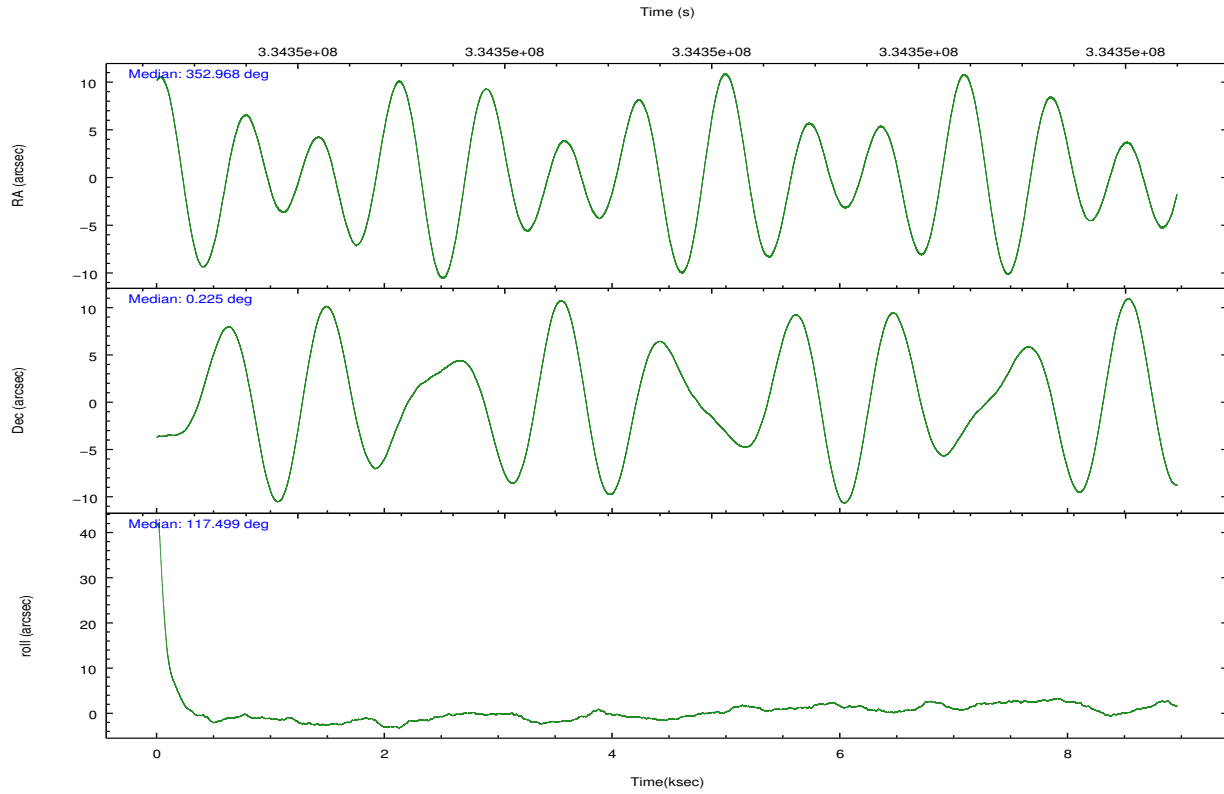
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2827	3124	2773	2703	2592
	3%	4%	3%	3%	3%
grade 1 events	47	32	37	45	31
	0%	0%	0%	0%	0%
grade 2 events	1911	1937	1920	1543	1723
	2%	2%	2%	2%	2%
grade 3 events	914	884	784	816	911
	1%	1%	0%	1%	1%
grade 4 events	810	851	809	814	829
	1%	1%	1%	1%	1%
grade 5 events	2656	2906	2535	3170	3129
	3%	4%	3%	4%	4%
grade 6 events	1505	1716	1497	1521	1752
	2%	2%	1%	2%	2%
grade 7 events	62309	60906	69793	65161	65516
	85%	84%	87%	85%	85%

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	352.990860	352.9675750325119	CCD I2 on	Y	Y
[deg] Pointing Dec	0.210440	0.2251145838128968	CCD I3 on	Y	Y
[deg] Pointing Roll	117.299939	117.5087159489099	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	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	334345278.184000	334344902.26928	CCD S5 on	N	N
Observation start date	2008-08-05T17:40:13	2008-08-05T17:35:02	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	334354049.184000	334354191.33224	On-chip summing requested	N	N
Observation end date	2008-08-05T20:06:24	2008-08-05T20:09:51	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



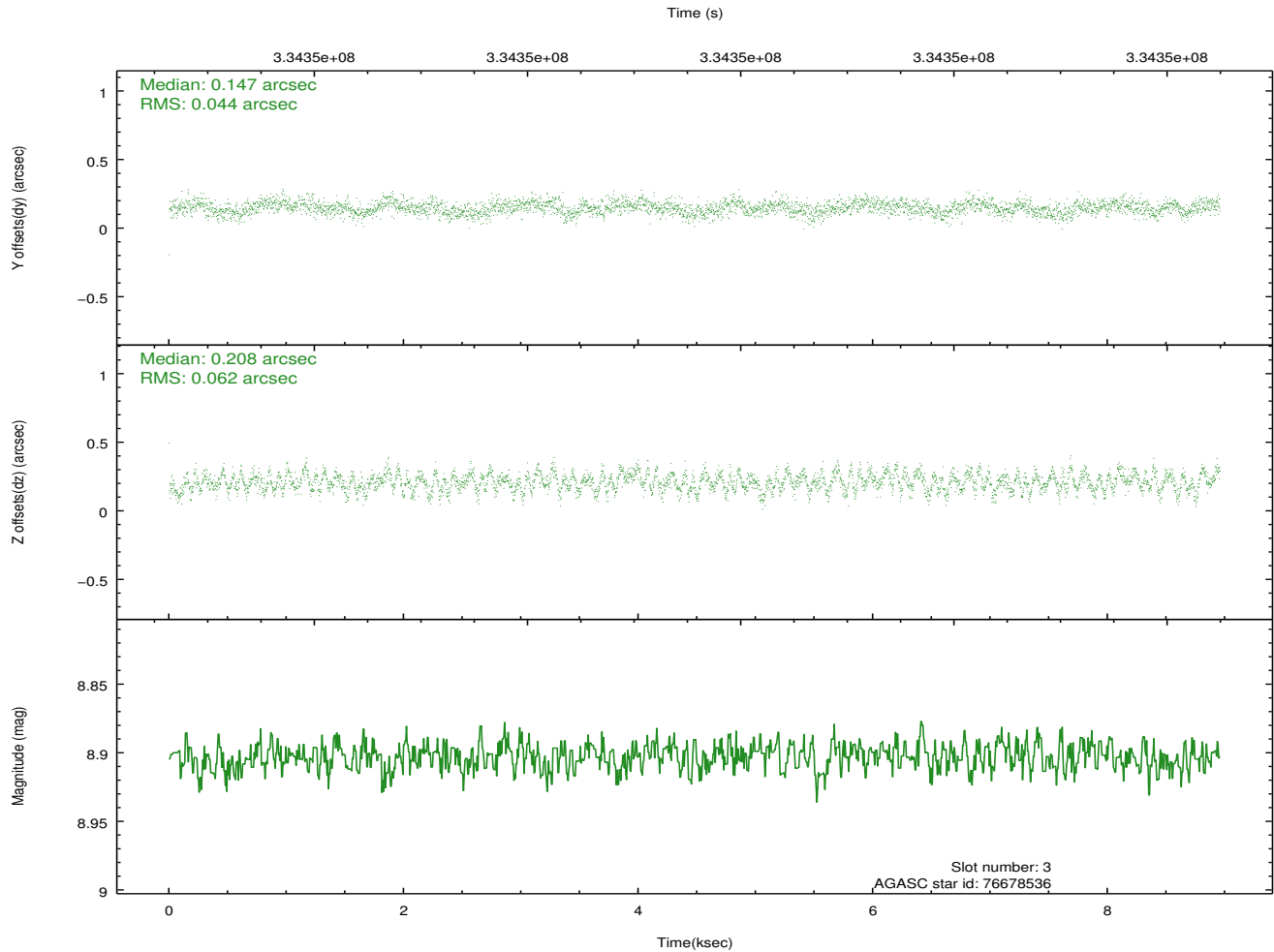
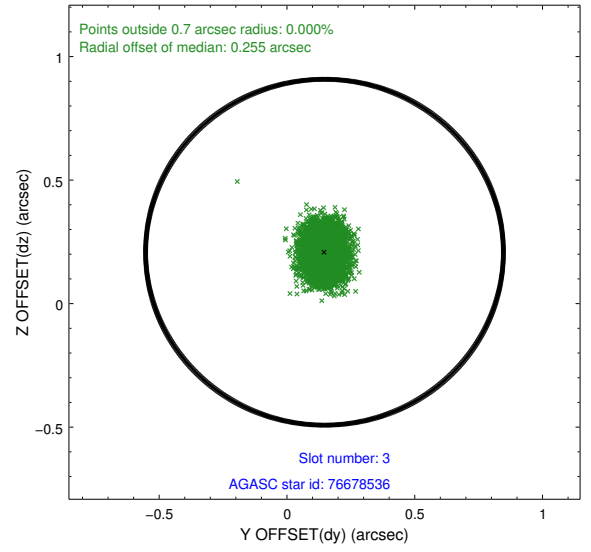
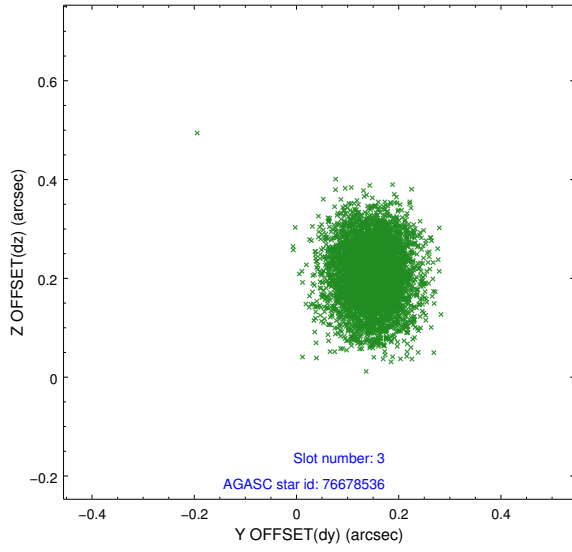


Slot Statistics

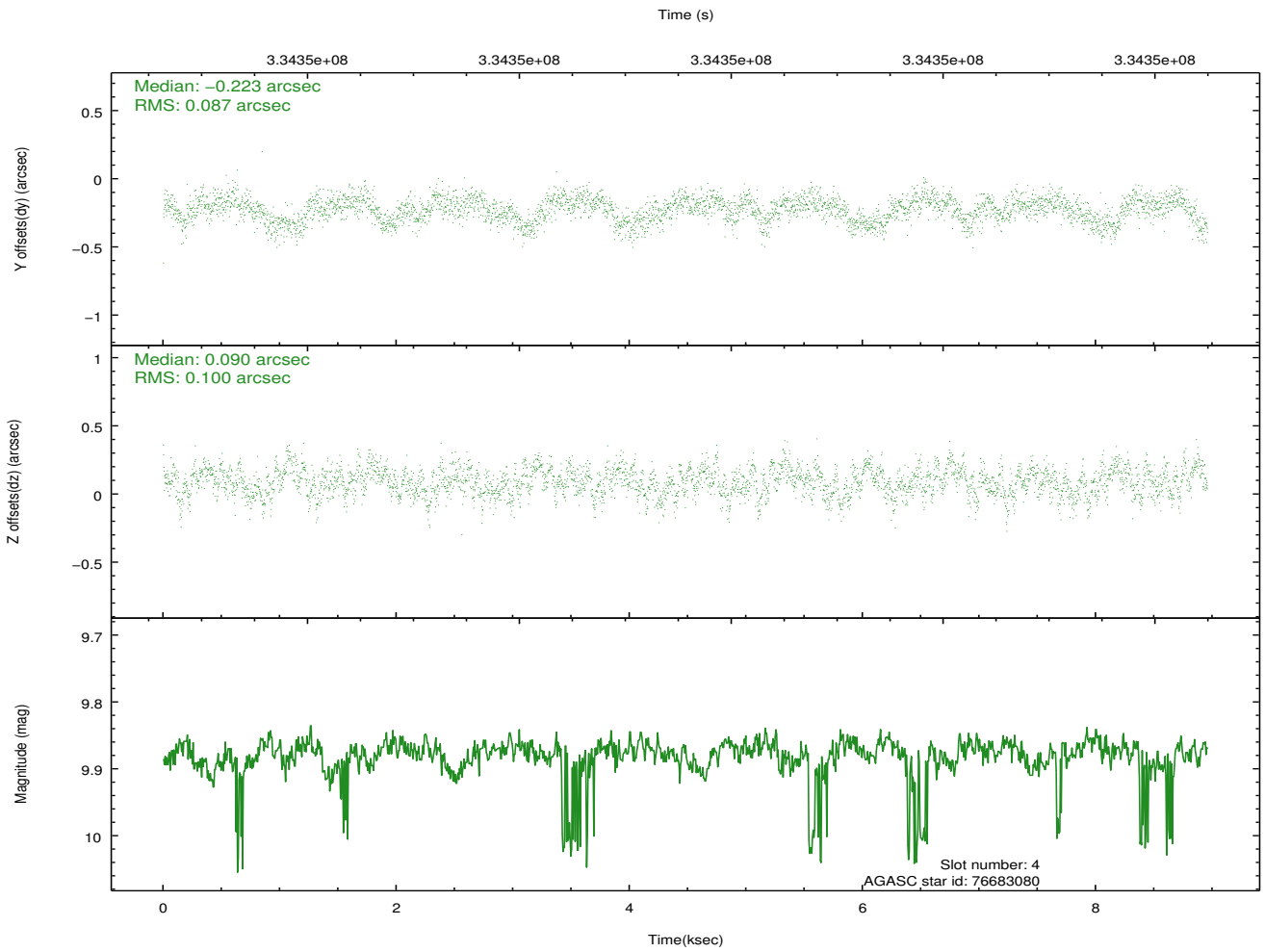
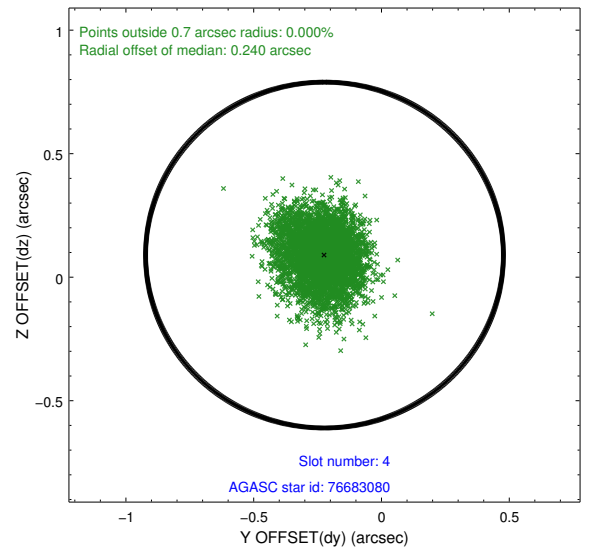
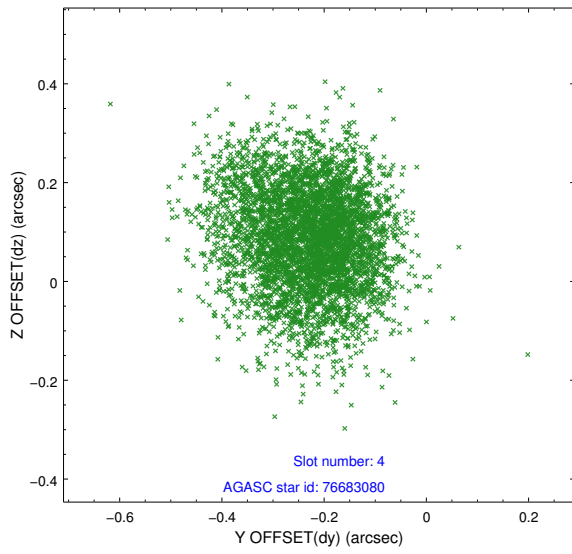
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	2182	0.012	0.037	0.006	0.012	0.000000	0.000000	926.93	-837.06
1	FID	ACIS-I-5	7.05	2183	-0.165	0.038	0.007	0.012	0.000000	0.000000	-1821.03	1060.10
2	FID	ACIS-I-6	7.06	2183	0.062	-0.005	0.006	0.011	0.000000	0.000000	391.84	1705.27
3	GUIDE	76678536	8.90	4360	0.147	0.208	0.081	0.131	353.237558	0.180446	-503.01	-739.44
4	GUIDE	76683080	9.88	4349	-0.223	0.090	0.140	0.226	353.475595	0.556305	306.32	-2121.48
5	GUIDE	76685264	9.69	4359	0.064	0.042	0.119	0.185	353.301878	0.237362	-426.93	-1039.65
6	GUIDE	688264664	7.88	4367	0.009	-0.155	0.079	0.121	352.757580	-0.596012	-2195.10	2077.33
7	GUIDE	688265896	9.18	4359	0.004	-0.182	0.111	0.177	352.587516	-0.177872	-577.04	1931.86

2.4 Star Slots

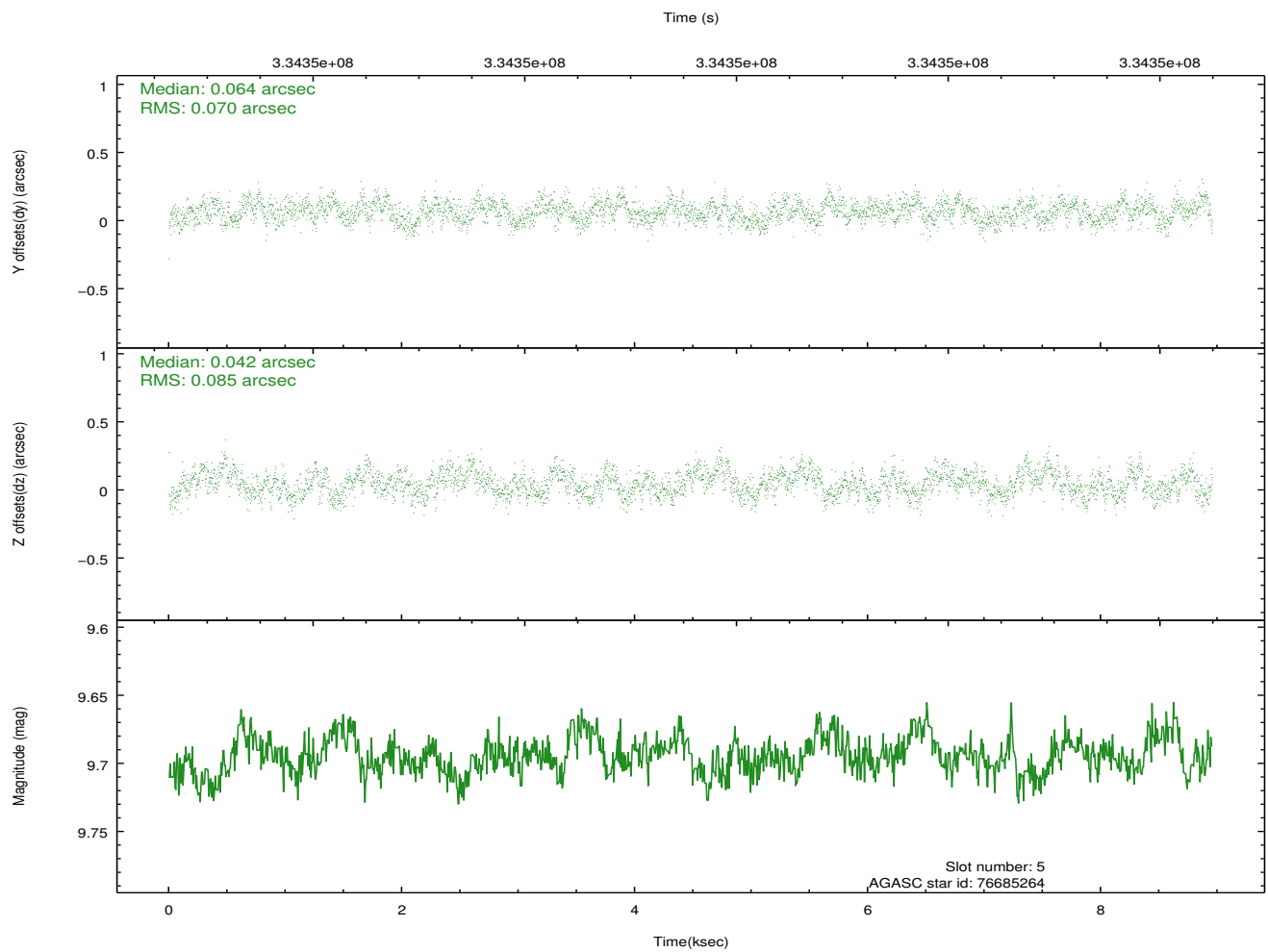
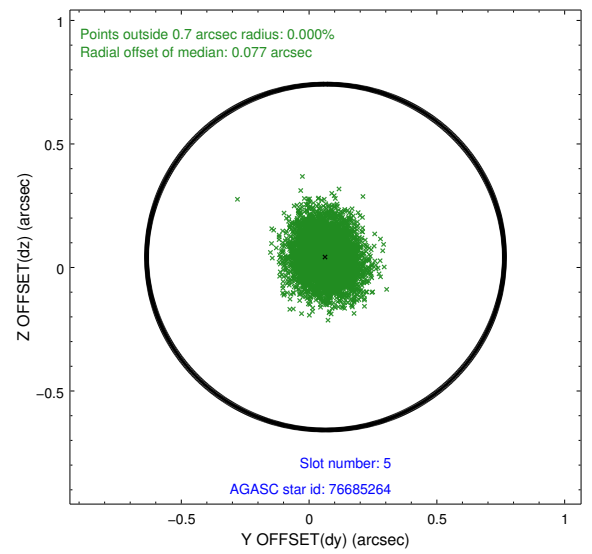
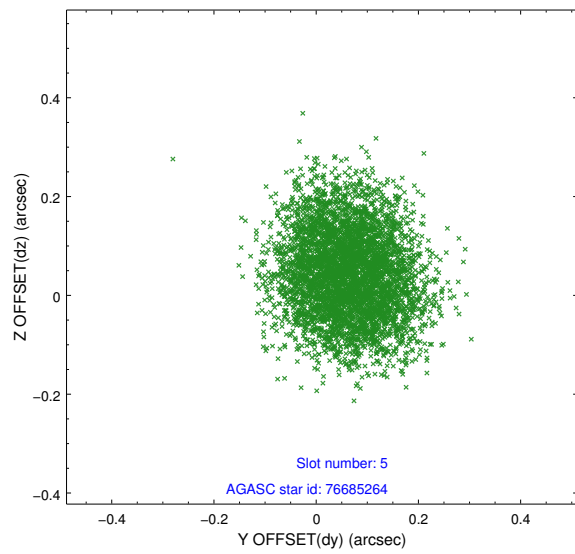
2.4.1 Slot 3



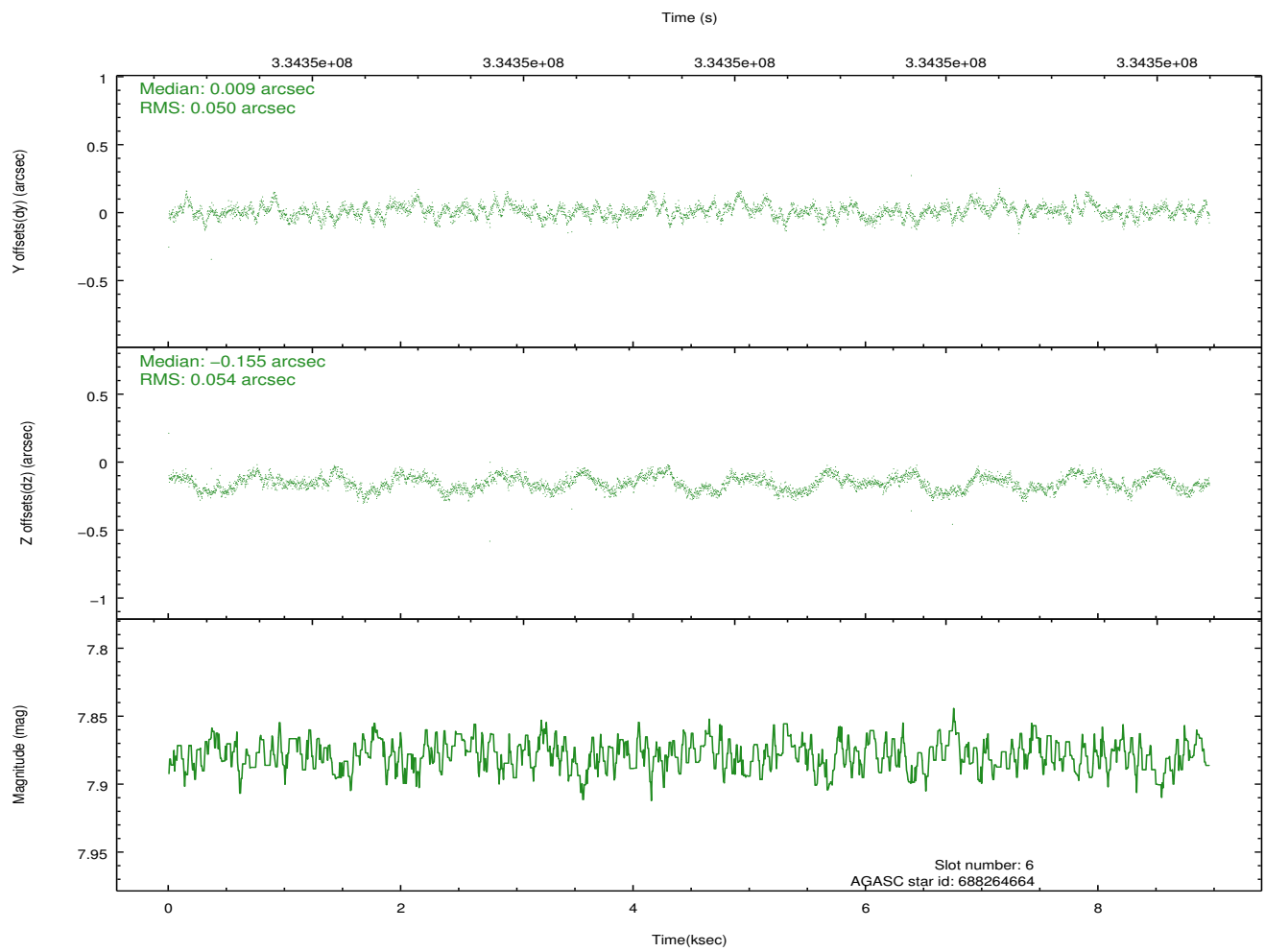
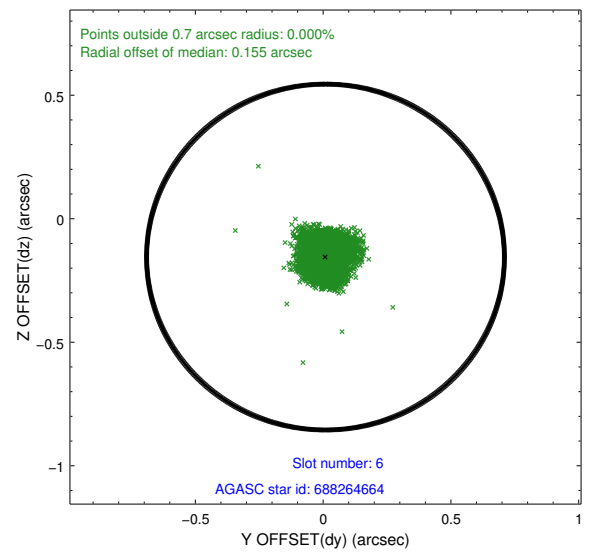
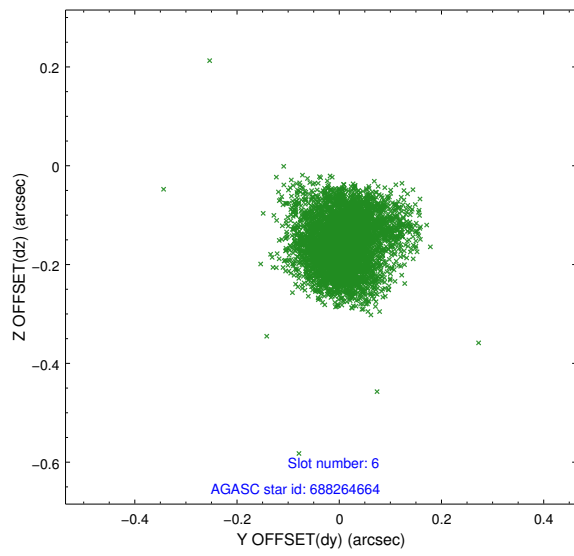
2.4.2 Slot 4



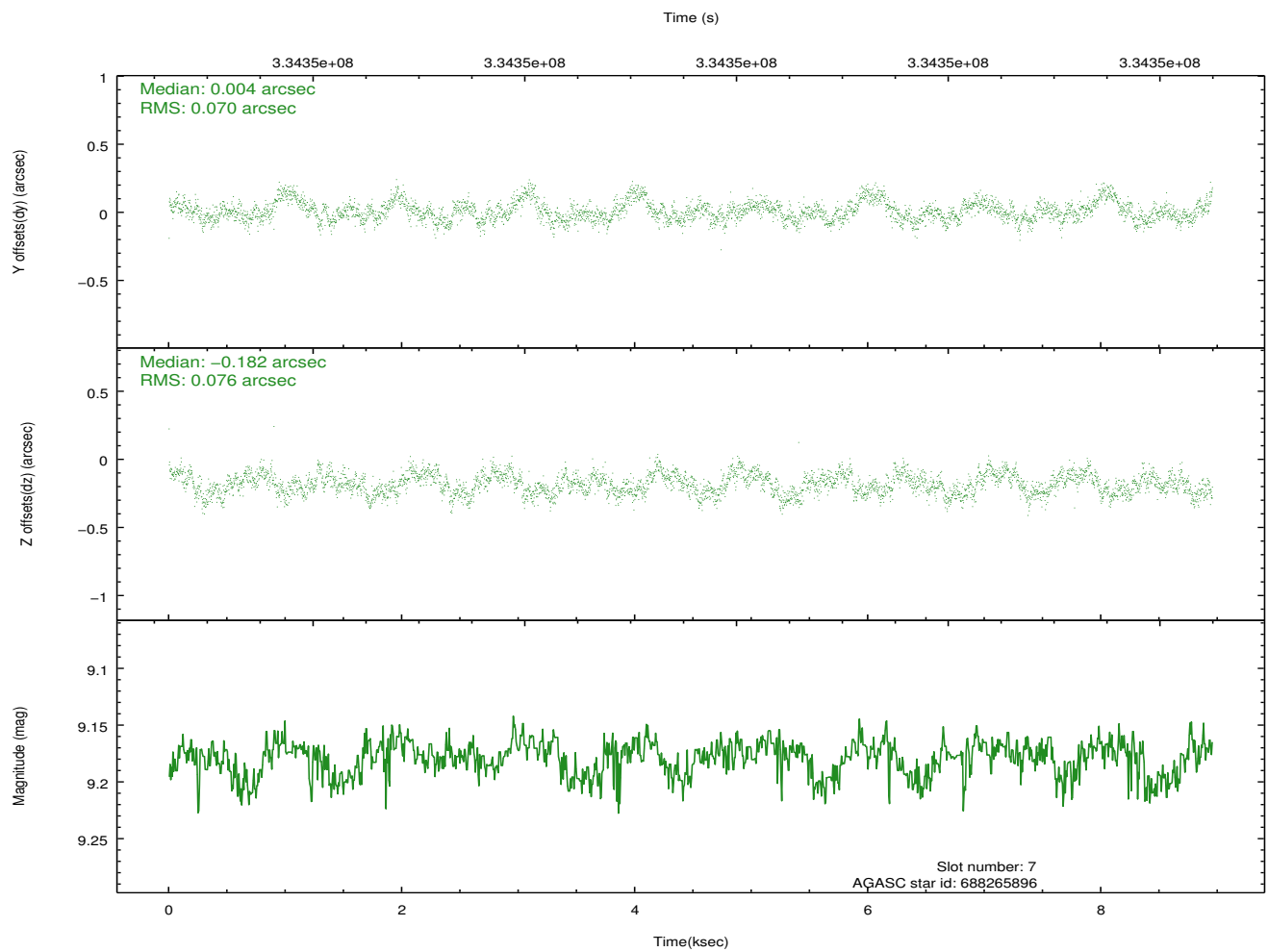
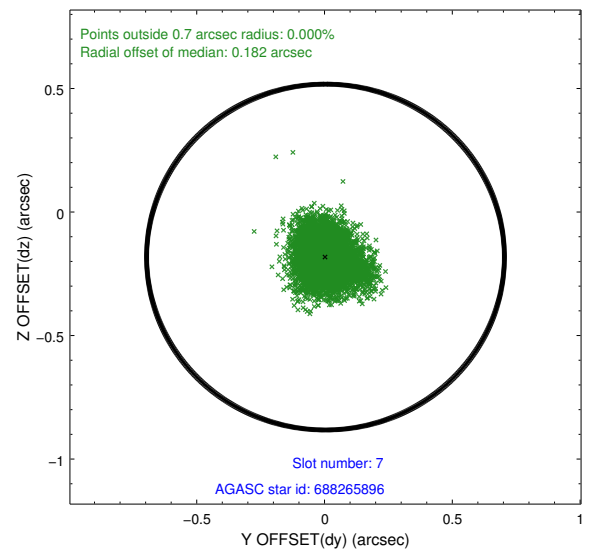
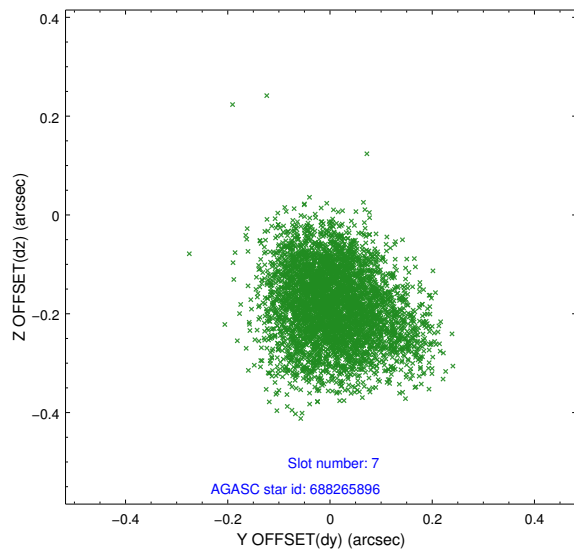
2.4.3 Slot 5



2.4.4 Slot 6

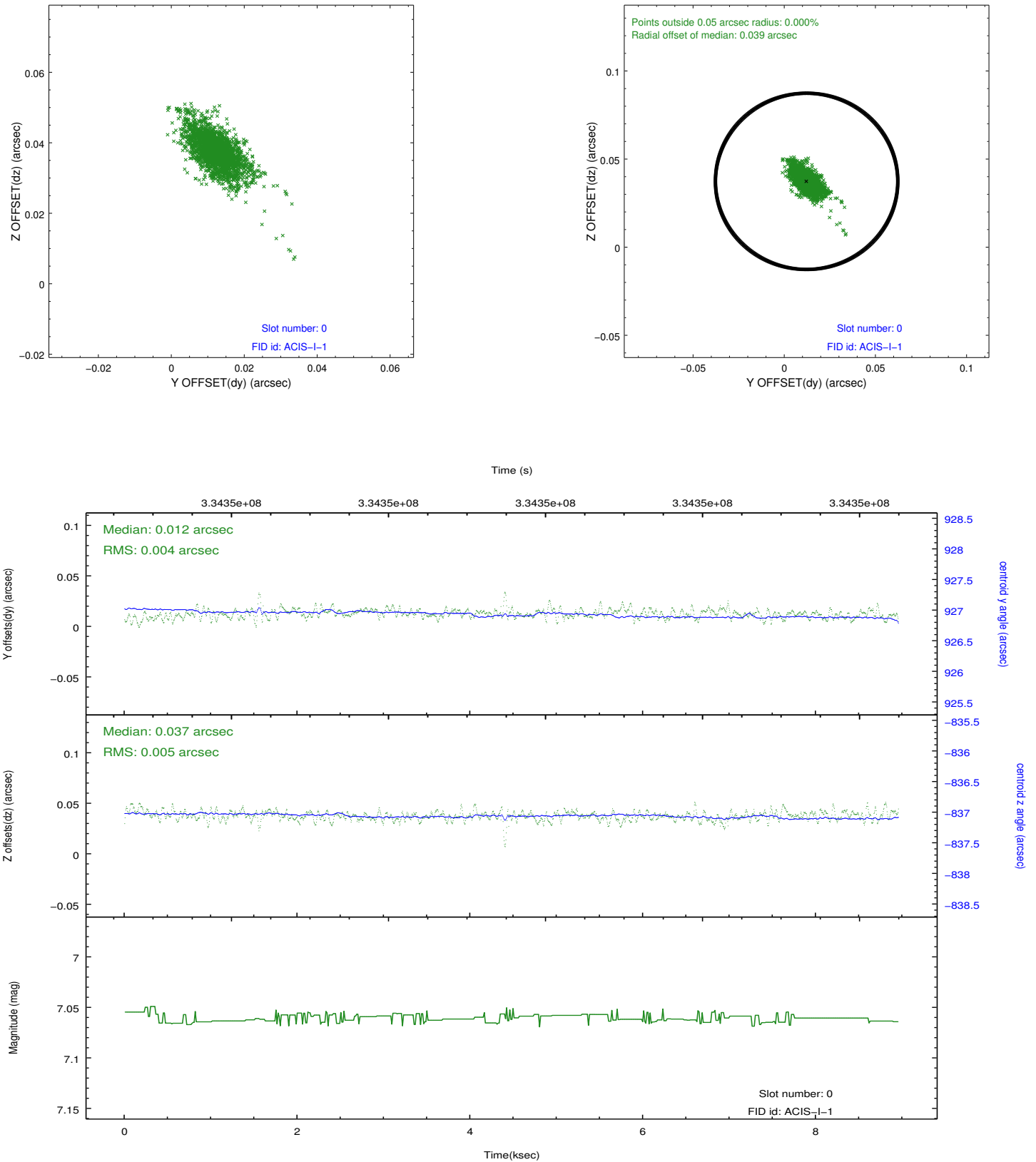


2.4.5 Slot 7

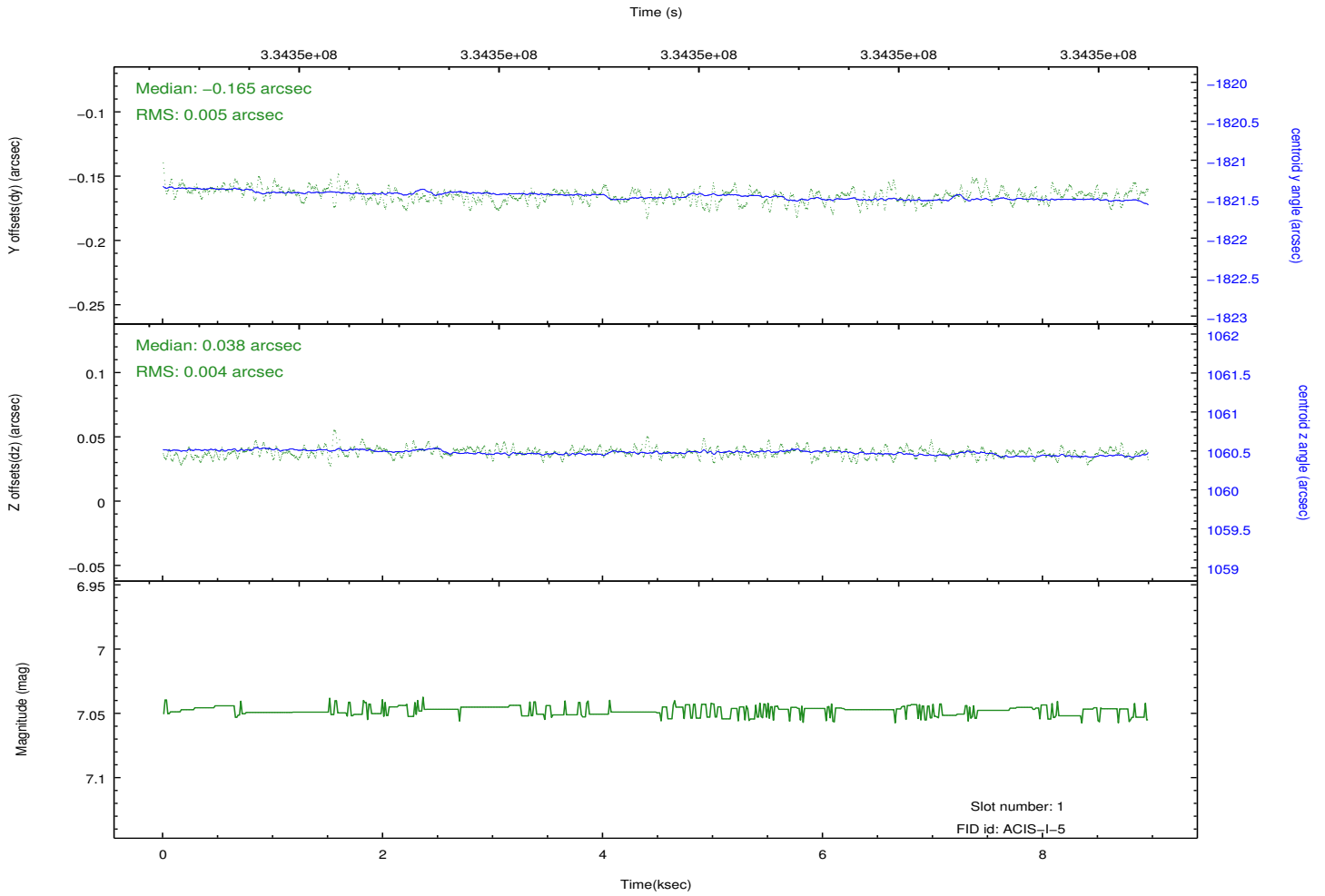
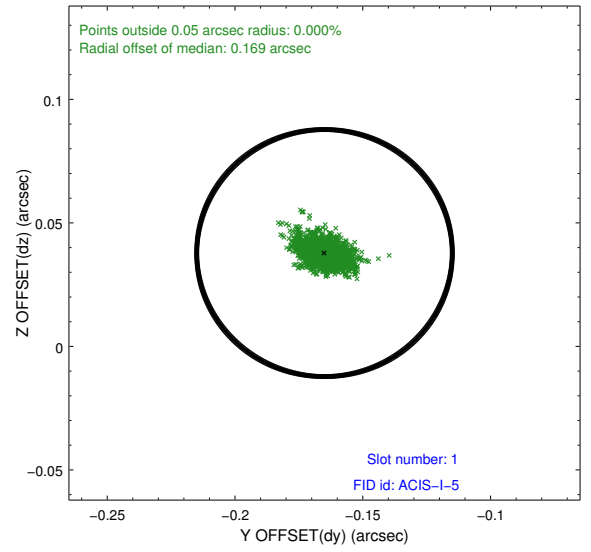
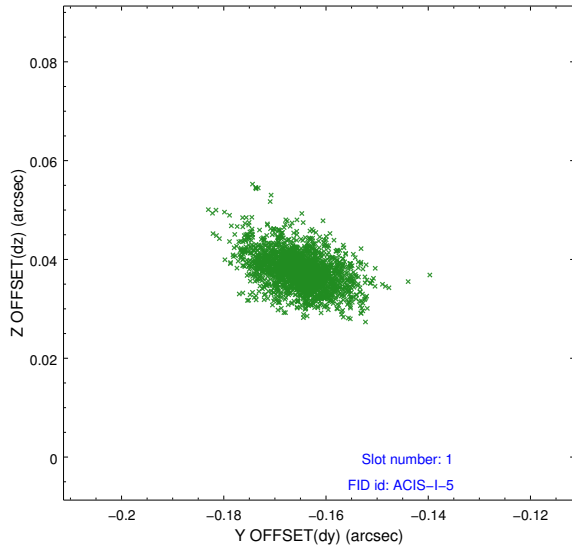


2.5 FID Slots

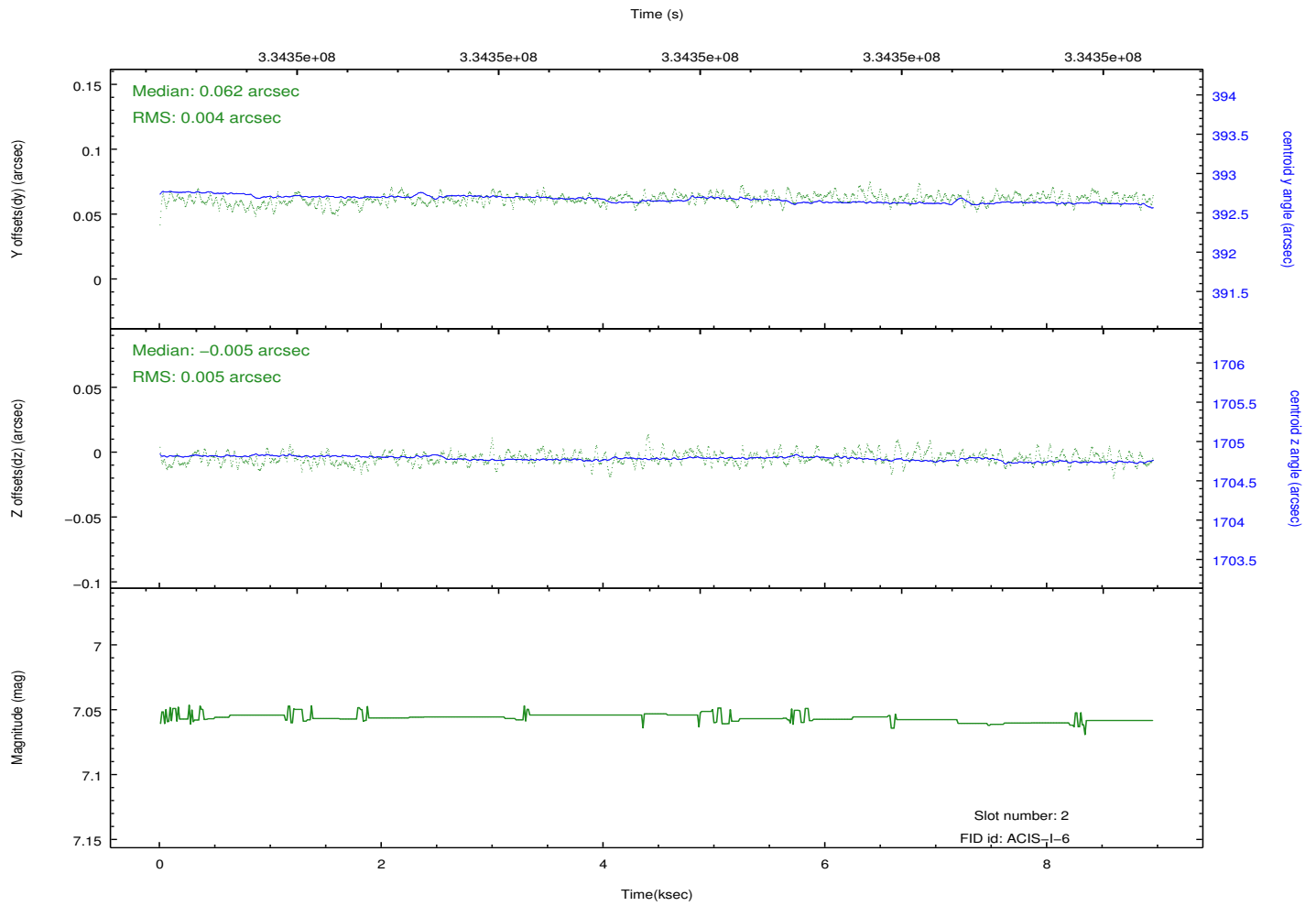
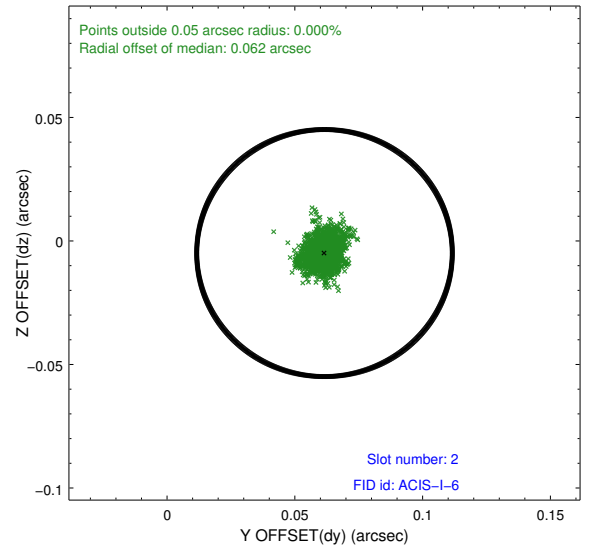
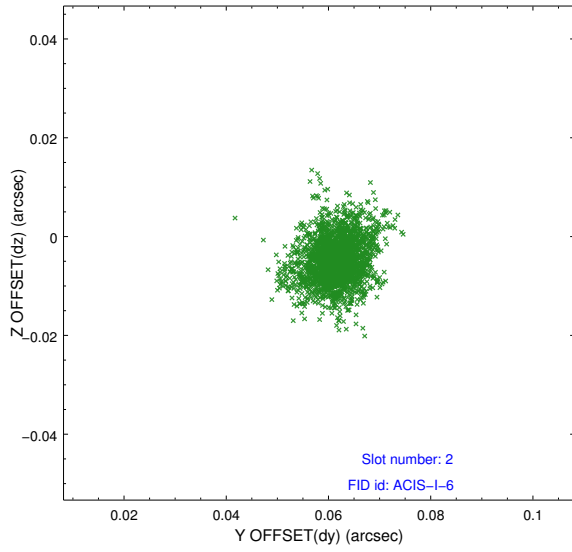
2.5.1 Slot 0



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)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.94961808

A.2 Comments