

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16046 - L2 Version 1
Chandra X-Ray Center

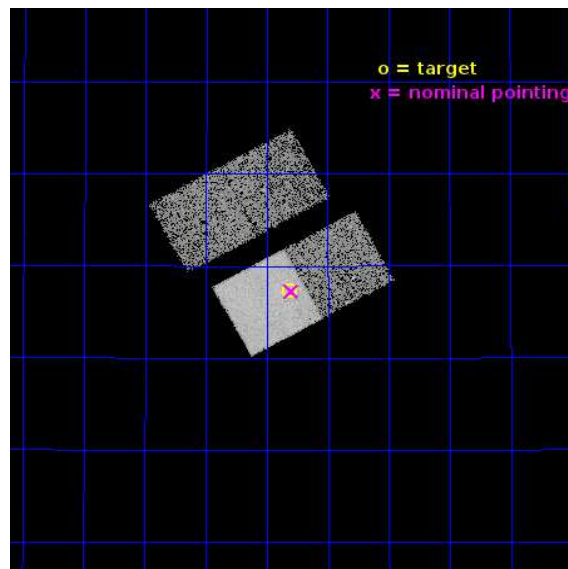
L2 Processing Date : Sep 26 2014

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1 Front

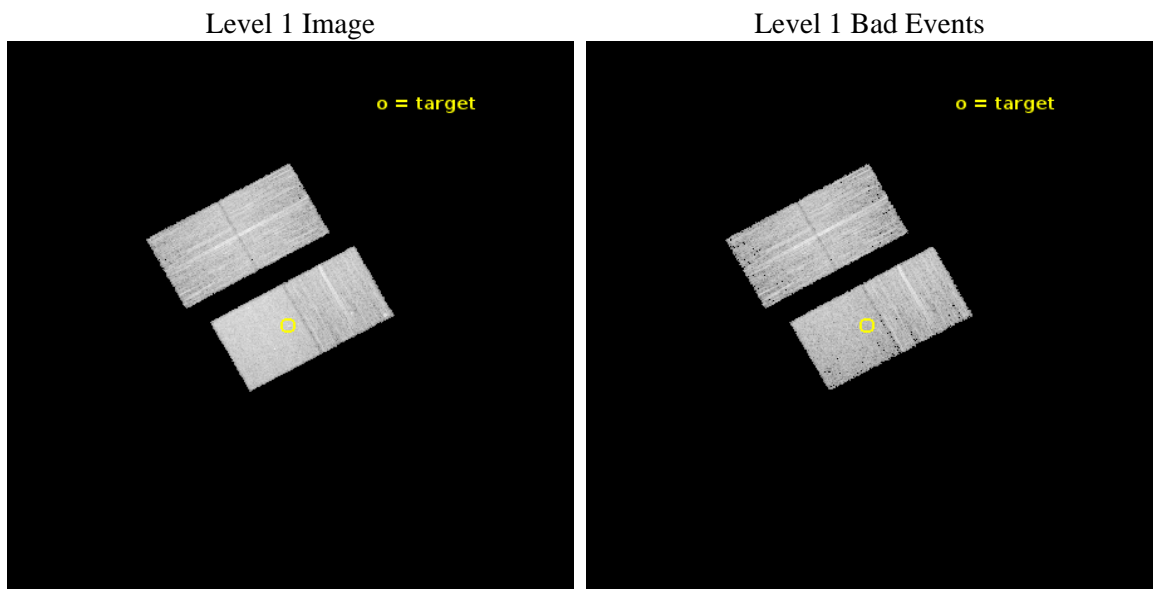
seq_num	702940	Sequence number
obs_id	16046	Observation id
title	Continuing the Chandra 3CR Snapshot Survey: 23 Radio Sources with 0.5	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3C34	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	17.577917	Observer's specified target RA [deg]
dec_targ	31.789	Observer's specified target Dec [deg]
ra_nom	17.574624529468	Nominal RA [deg]
dec_nom	31.787557885902	Nominal Dec [deg]
roll_nom	151.15839690783	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12074.500092864	Sum of GTIs [s]
livetime	11916.737860033	Livetime [s]
ontime2	12074.500092864	Sum of GTIs [s]
ontime3	12074.500092864	Sum of GTIs [s]
ontime6	12074.500092864	Sum of GTIs [s]
ontime7	12074.500092864	Sum of GTIs [s]
l2events	56208	Number of level 2 events



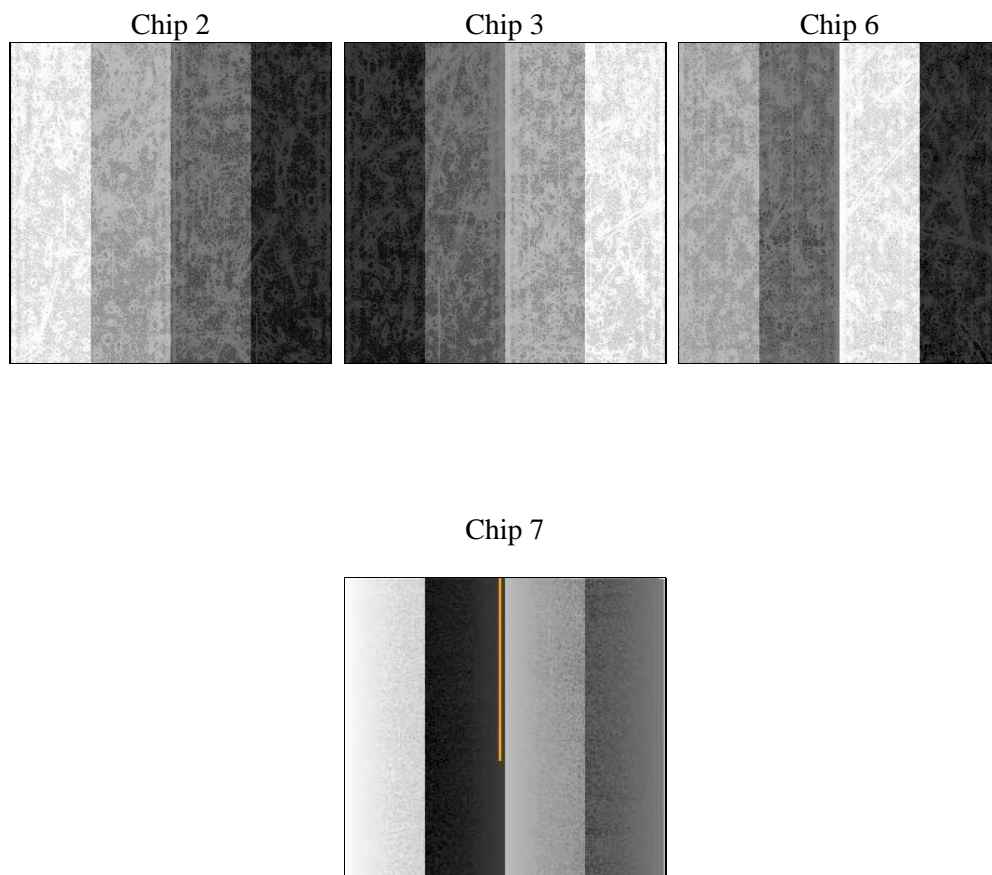
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	12074.500092864	Sum of GTIs [s]
caldsver	4.6.3	 	ontime2	12074.500092864	Sum of GTIs [s]
date	2014-09-26T14:40:06	Date and time of file creation	ontime3	12074.500092864	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12074.500092864	Sum of GTIs [s]
			ontime7	12074.500092864	Sum of GTIs [s]
			l1events	277406	Number of level 1 events

2.1.4 Events

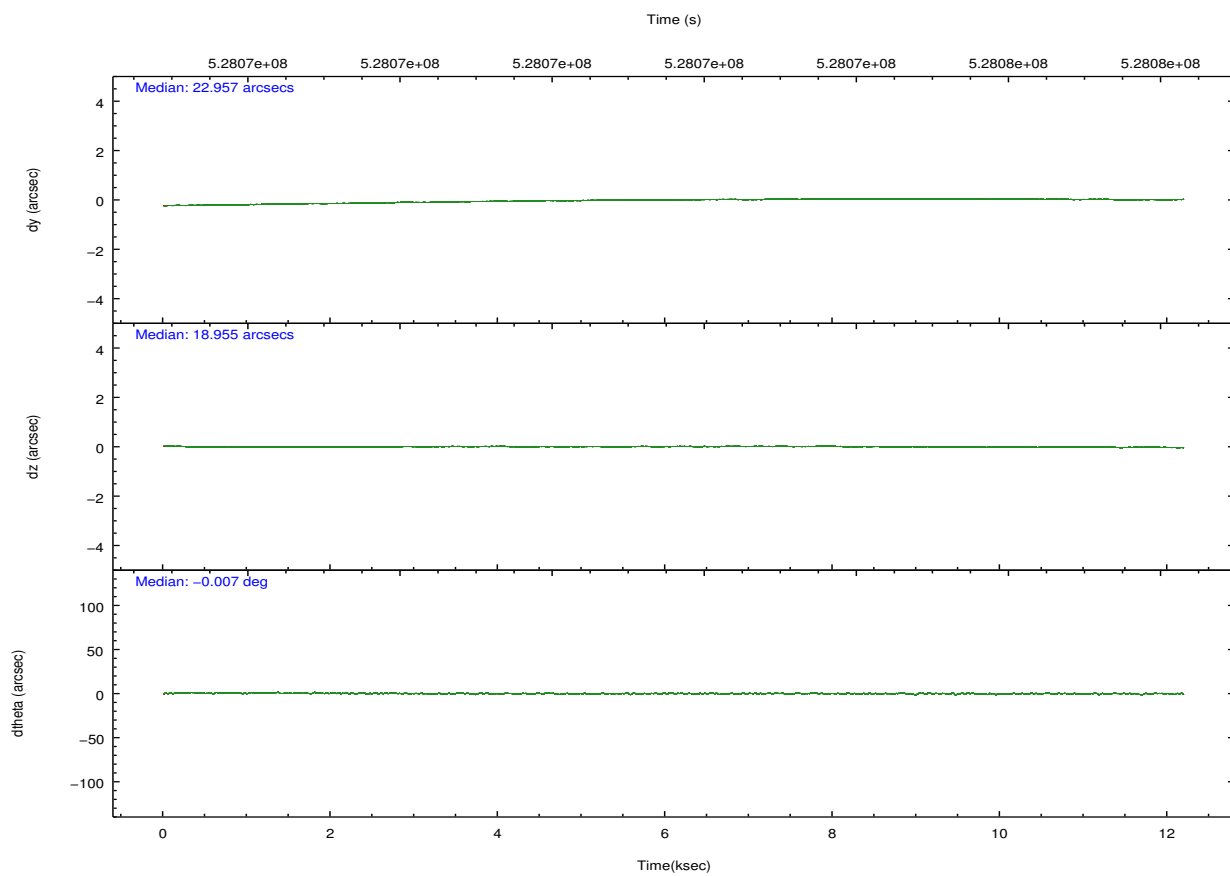
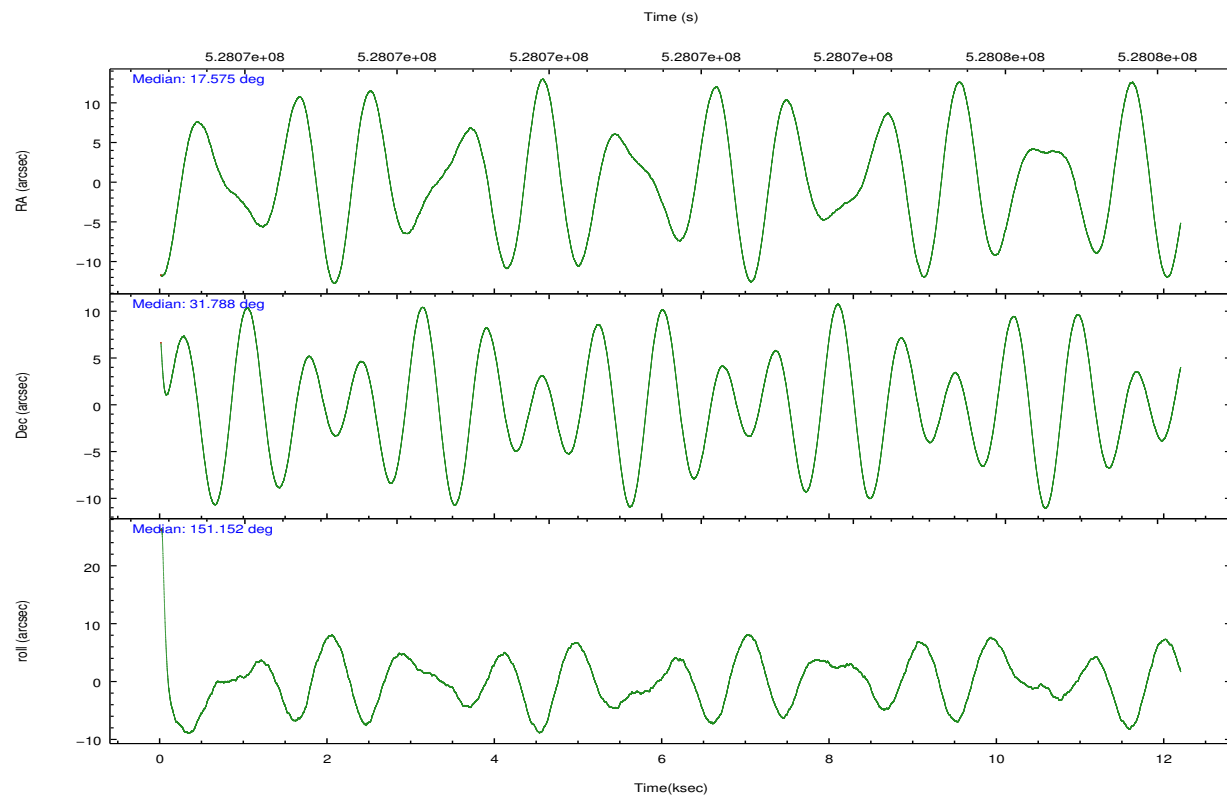
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	63999	60390	65746	87271
rejected events	56644	53361	57706	49419
rejected %	88%	88%	87%	56%

	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2605	2349	2715	3311
	4%	3%	4%	3%
grade 1 events	41	26	37	95
	0%	0%	0%	0%
grade 2 events	1817	1632	1971	7879
	2%	2%	2%	9%
grade 3 events	737	749	789	3164
	1%	1%	1%	3%
grade 4 events	764	752	790	3029
	1%	1%	1%	3%
grade 5 events	2789	3370	3323	8862
	4%	5%	5%	10%
grade 6 events	1434	1550	1780	20486
	2%	2%	2%	23%
grade 7 events	53812	49962	54341	40445
	84%	82%	82%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	17.606938	17.57462452946751	CCD I2 on	O1	Y
[deg] Pointing Dec	31.788476	31.78755788590173	CCD I3 on	O2	Y
[deg] Pointing Roll	150.984711	151.1583969078323	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	528065708.184000	528064424.77236	CCD S5 on	N	N
Observation start date	2014-09-25T20:54:01	2014-09-25T20:33:44	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	528077708.184000	528078714.29816	On-chip summing requested	N	N
Observation end date	2014-09-26T00:14:01	2014-09-26T00:31:54	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect

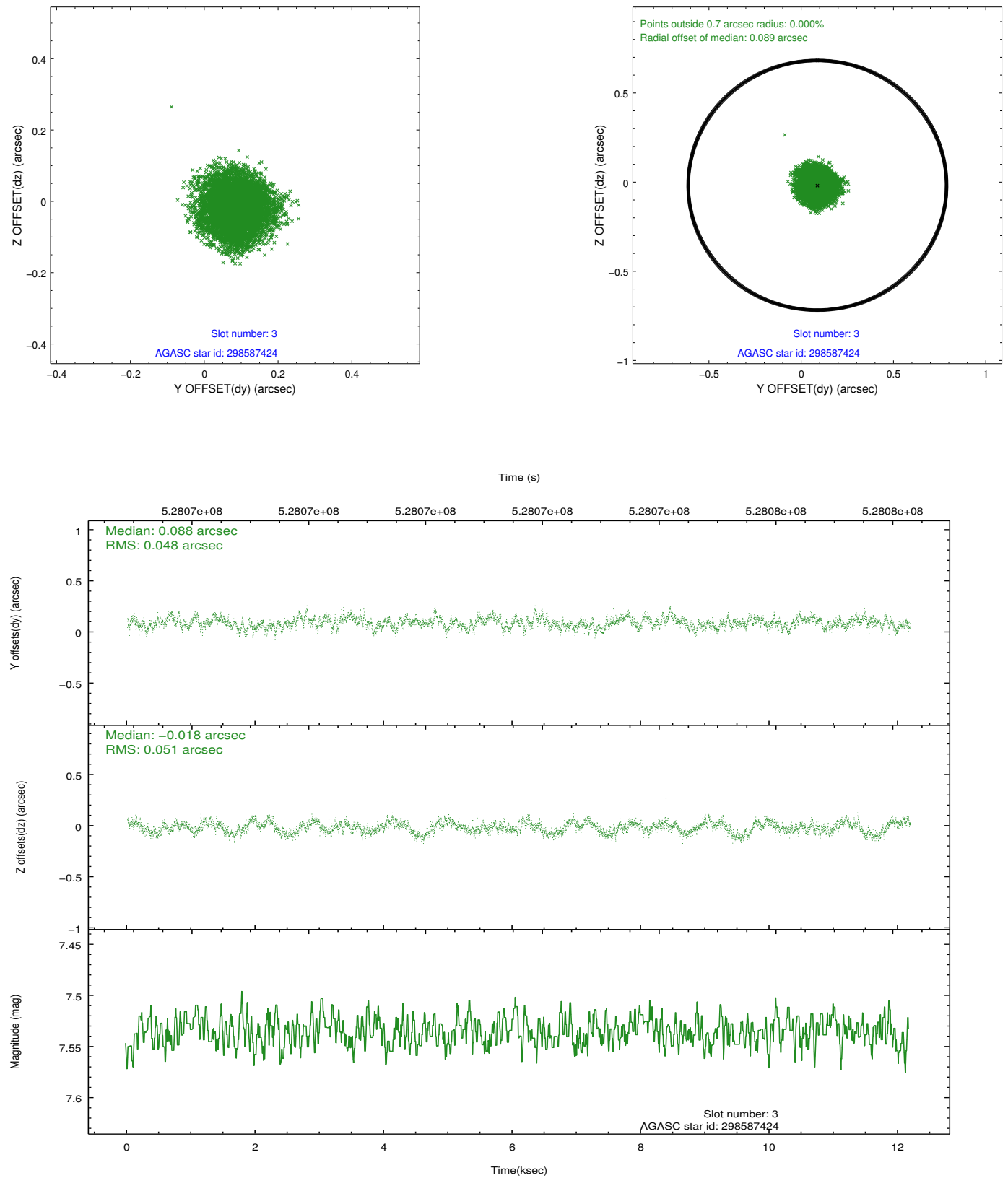


Slot Statistics

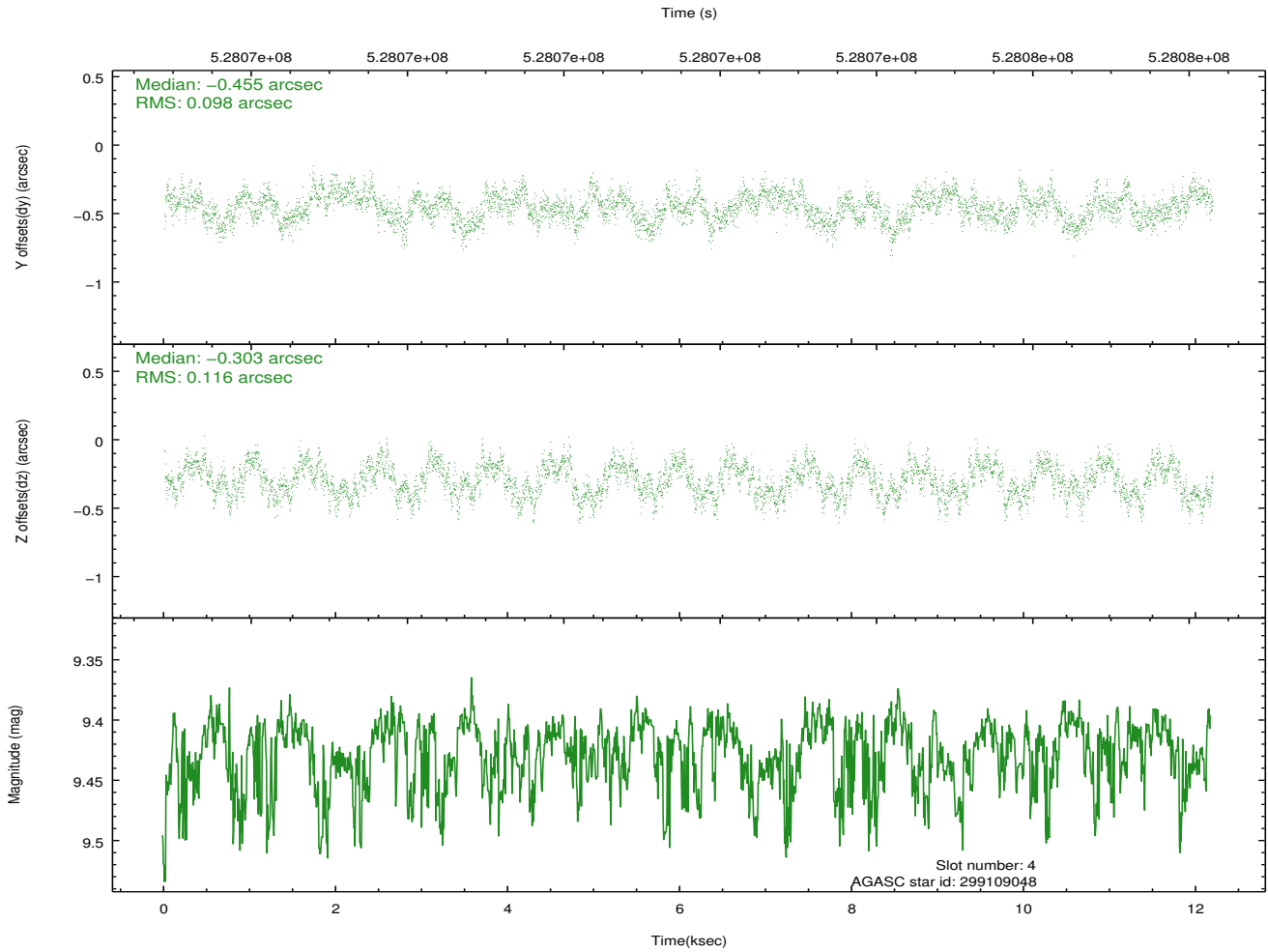
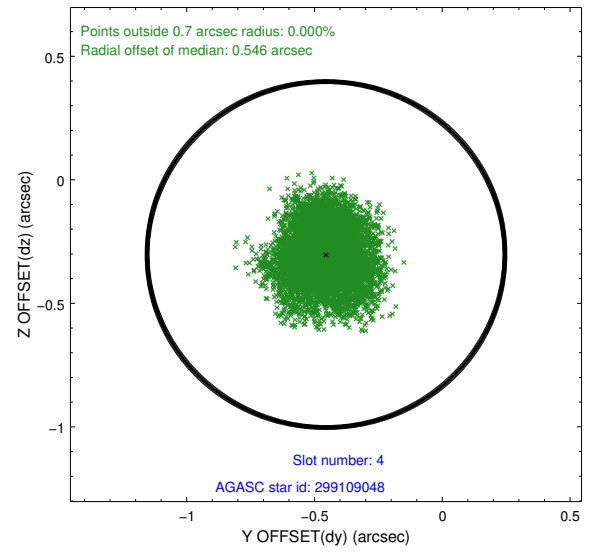
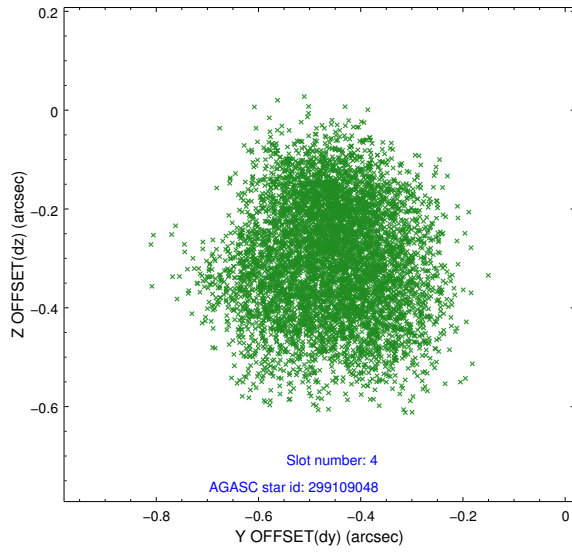
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.07	2972	0.098	-0.016	0.011	0.031	0.000000	0.000000	920.08	-1736.01
1	FID	ACIS-S-5	7.10	2973	-0.222	0.058	0.008	0.013	0.000000	0.000000	-1829.06	161.13
2	FID	ACIS-S-6	7.21	2973	0.102	-0.029	0.009	0.020	0.000000	0.000000	385.12	805.52
3	GUIDE	298587424	7.54	5945	0.088	-0.018	0.077	0.117	17.710024	31.329353	-1078.87	1291.53
4	GUIDE	299109048	9.42	5933	-0.455	-0.303	0.166	0.248	17.080774	31.893677	1591.31	445.70
5	GUIDE	299117600	6.49	5946	-0.112	-0.195	0.087	0.129	17.005601	32.012121	1995.55	181.03
6	GUIDE	300811184	8.65	5942	0.449	0.666	0.100	0.162	18.126724	32.211008	-644.09	-2100.65
7	GUIDE	298587600	7.39	5945	0.033	-0.148	0.087	0.144	17.792456	30.949818	-1965.48	2362.04

2.4 Star Slots

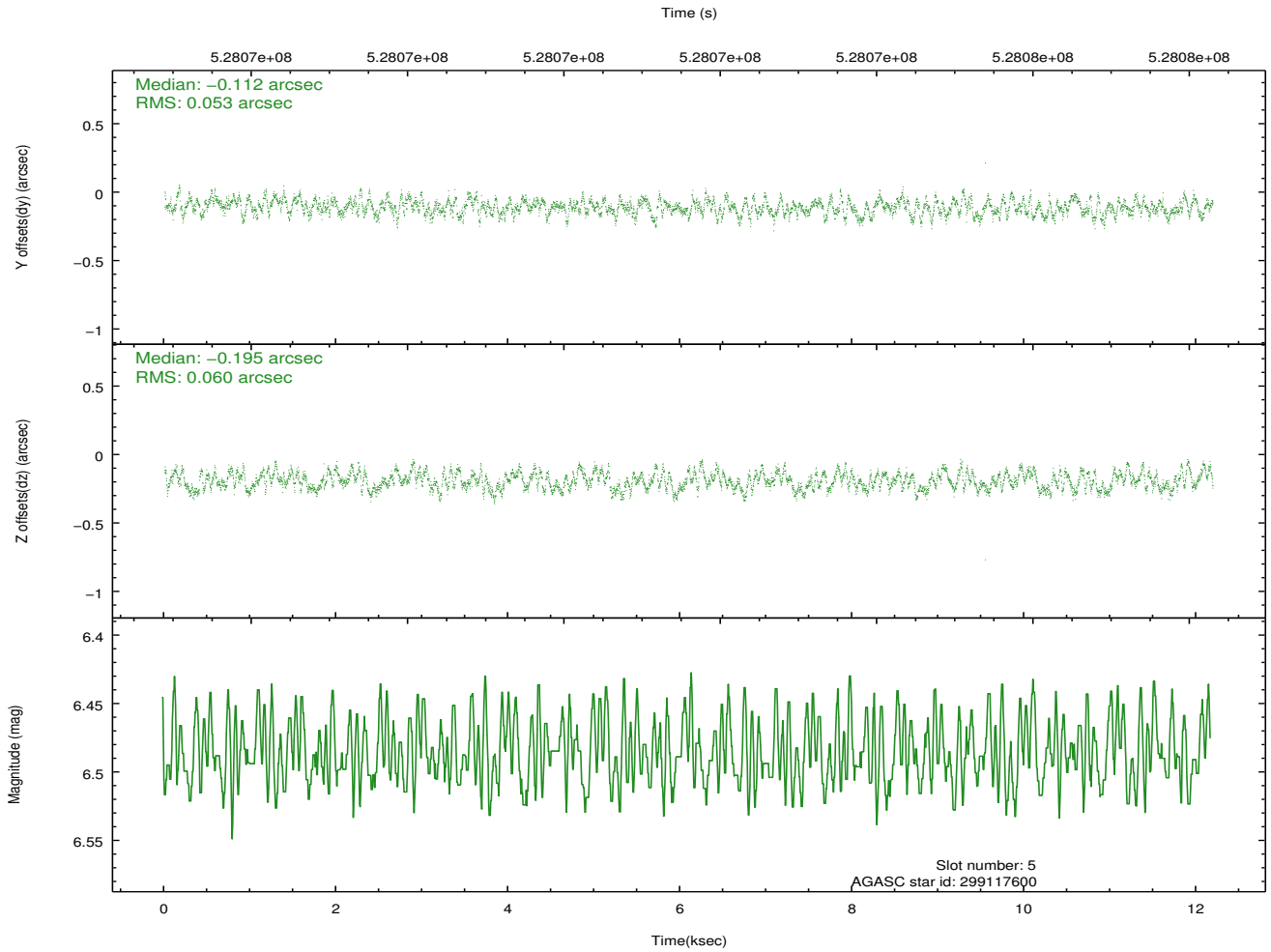
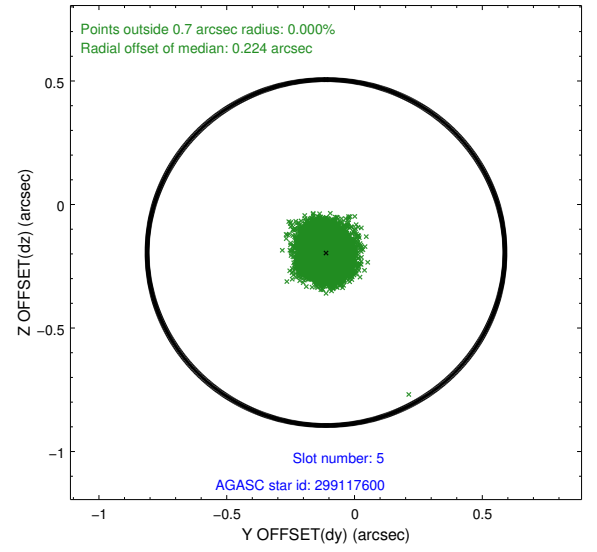
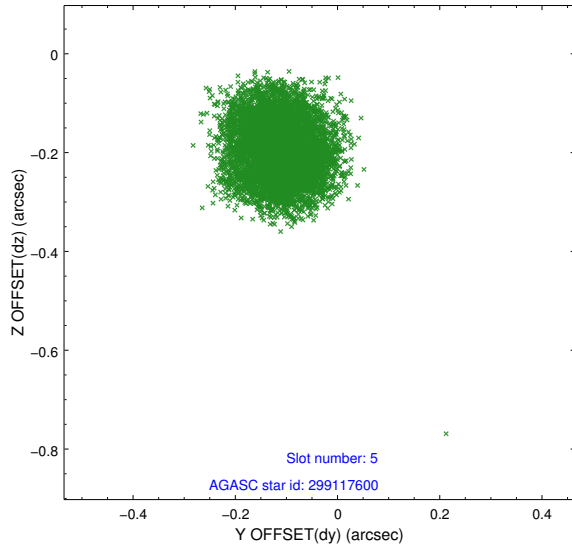
2.4.1 Slot 3



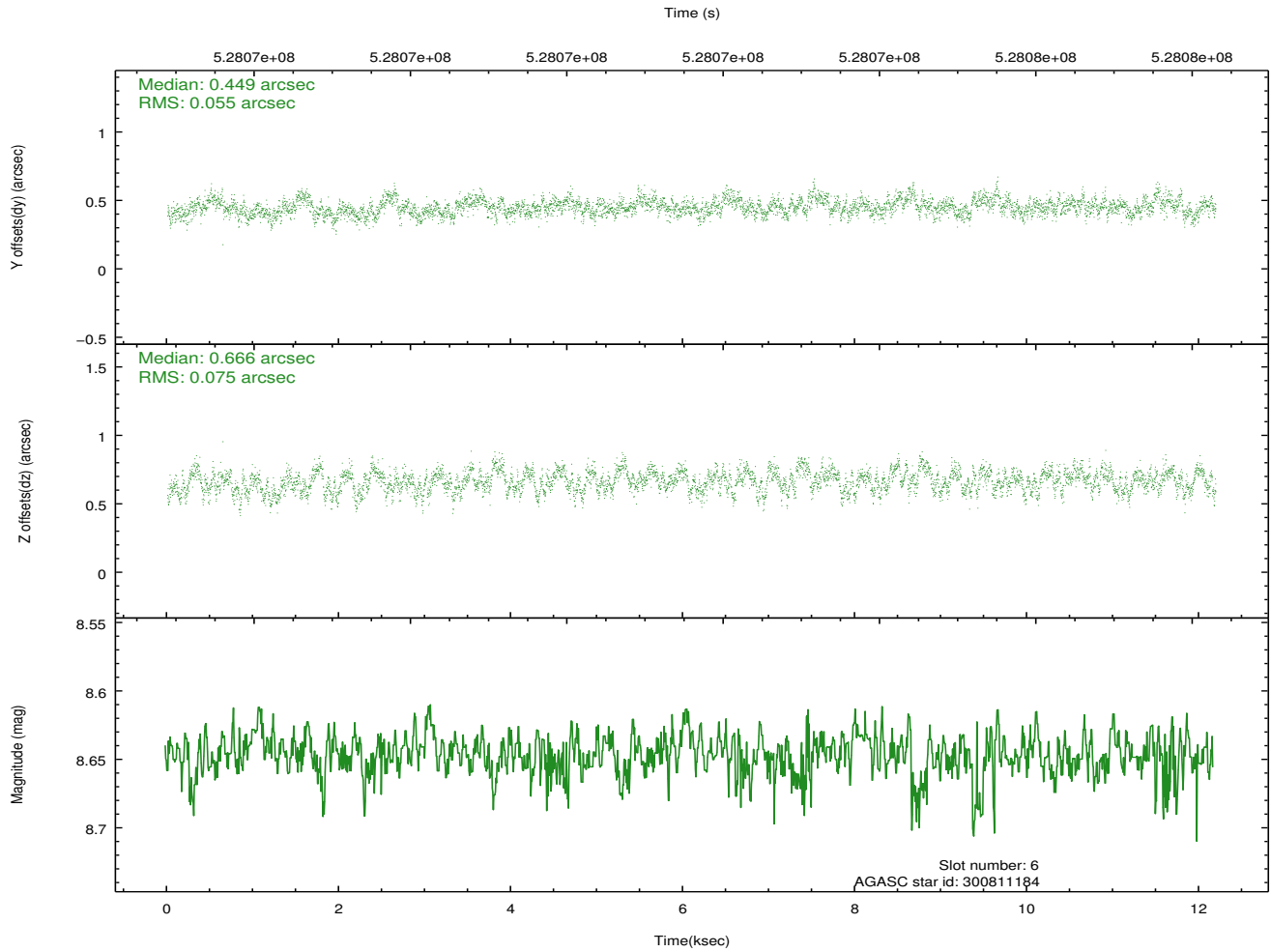
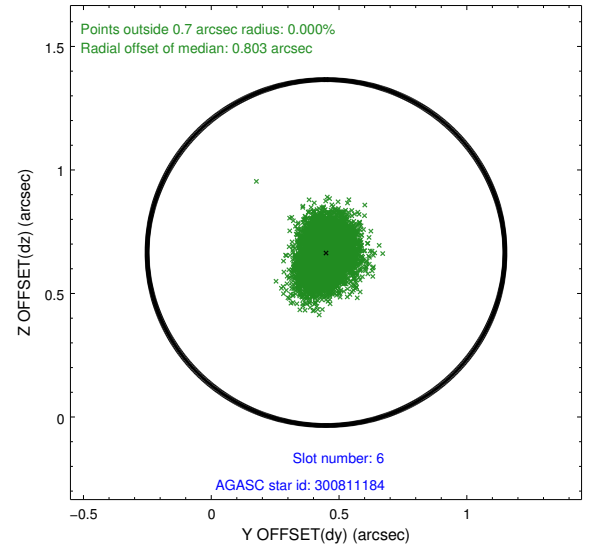
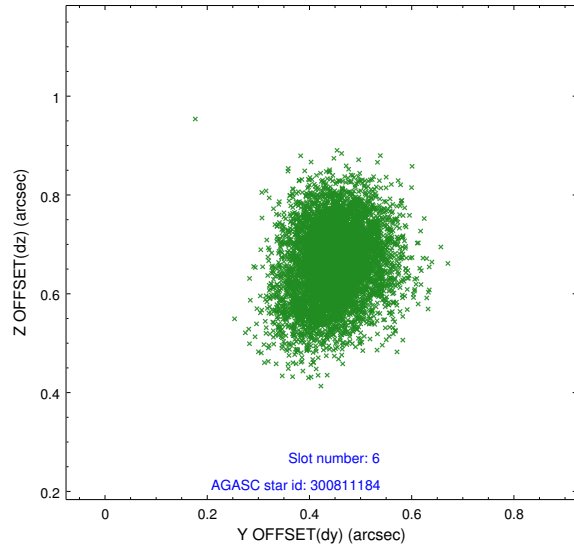
2.4.2 Slot 4



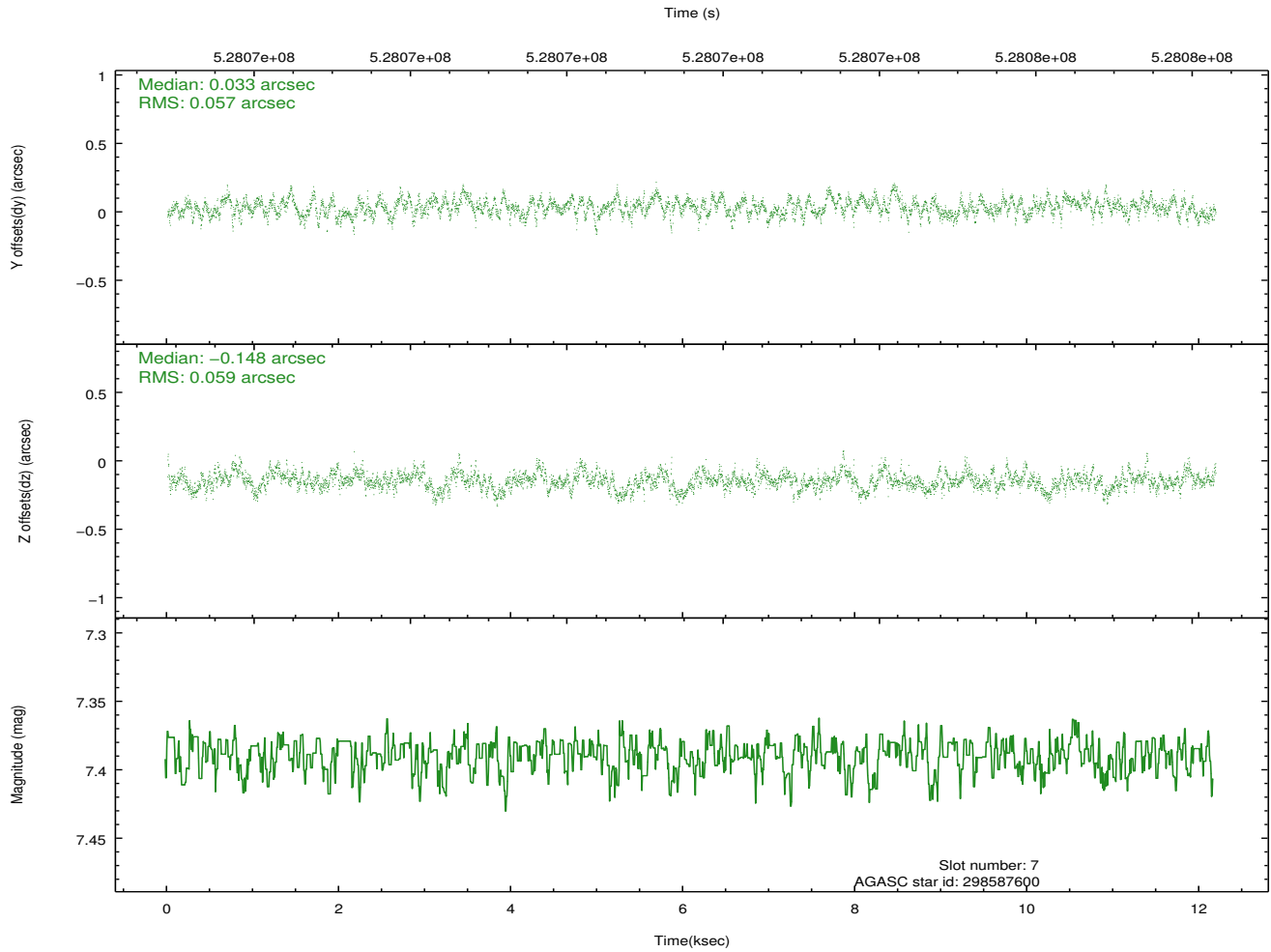
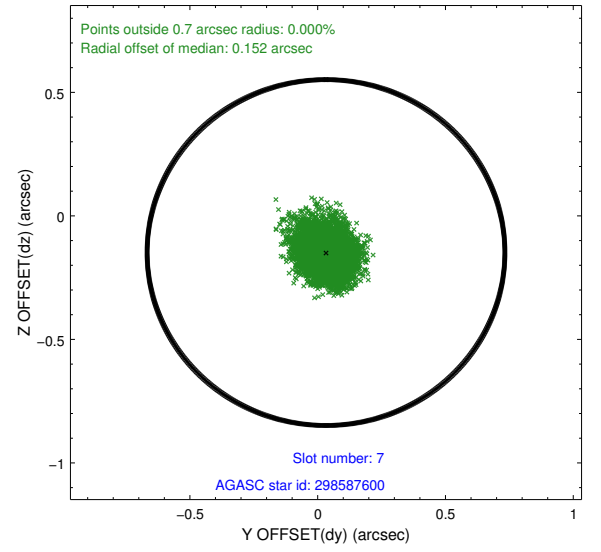
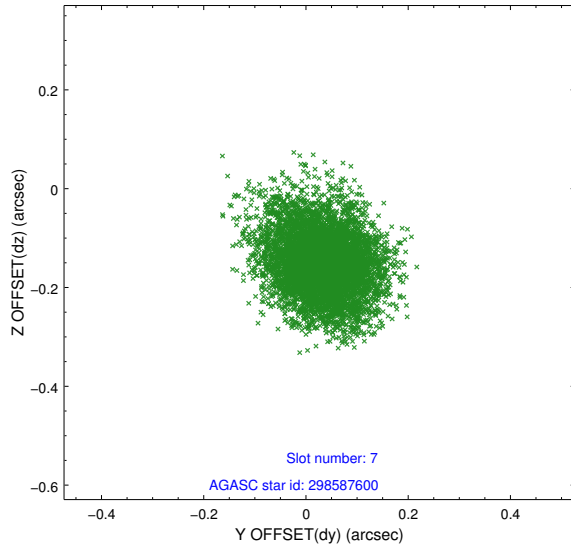
2.4.3 Slot 5



2.4.4 Slot 6

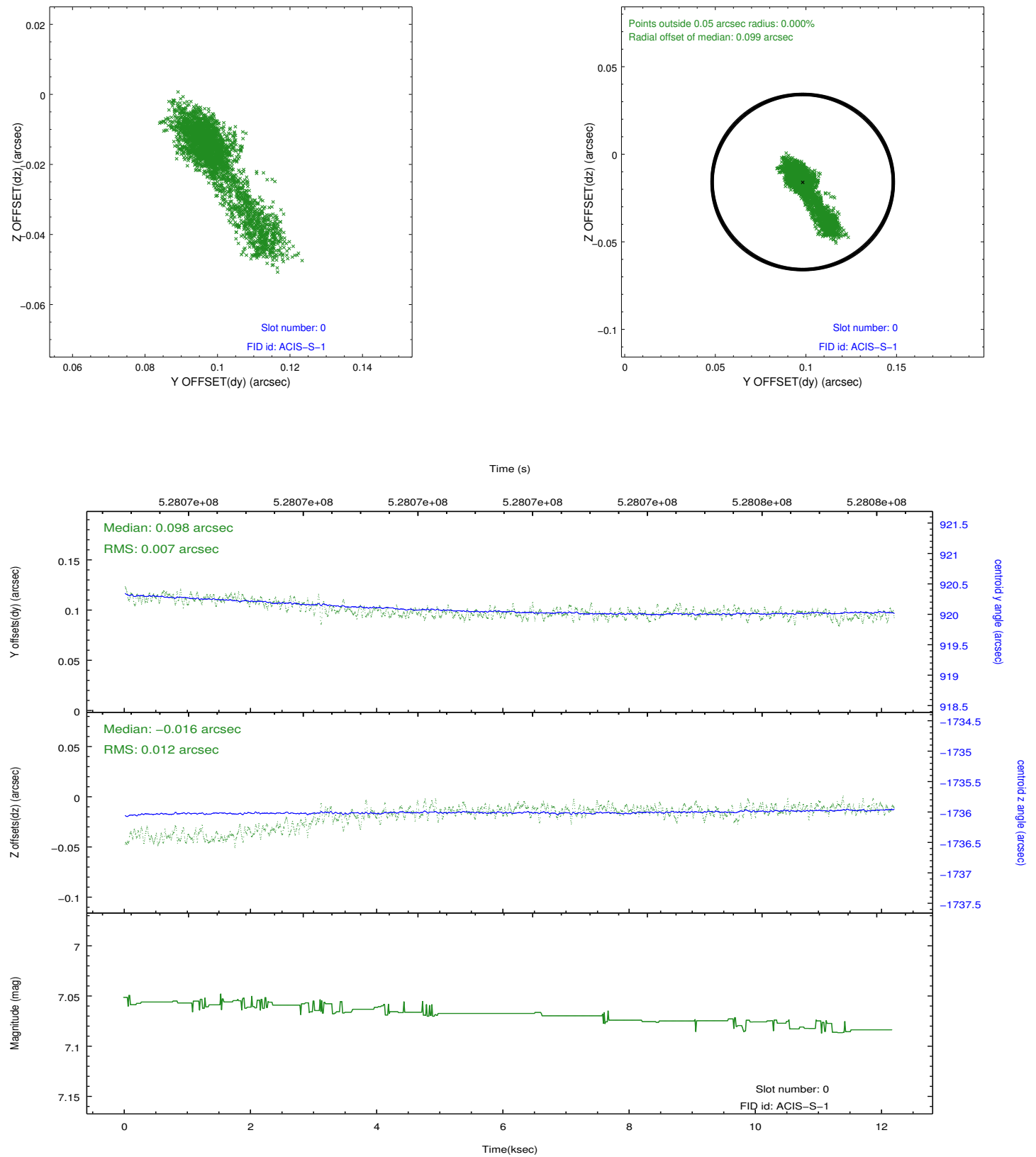


2.4.5 Slot 7

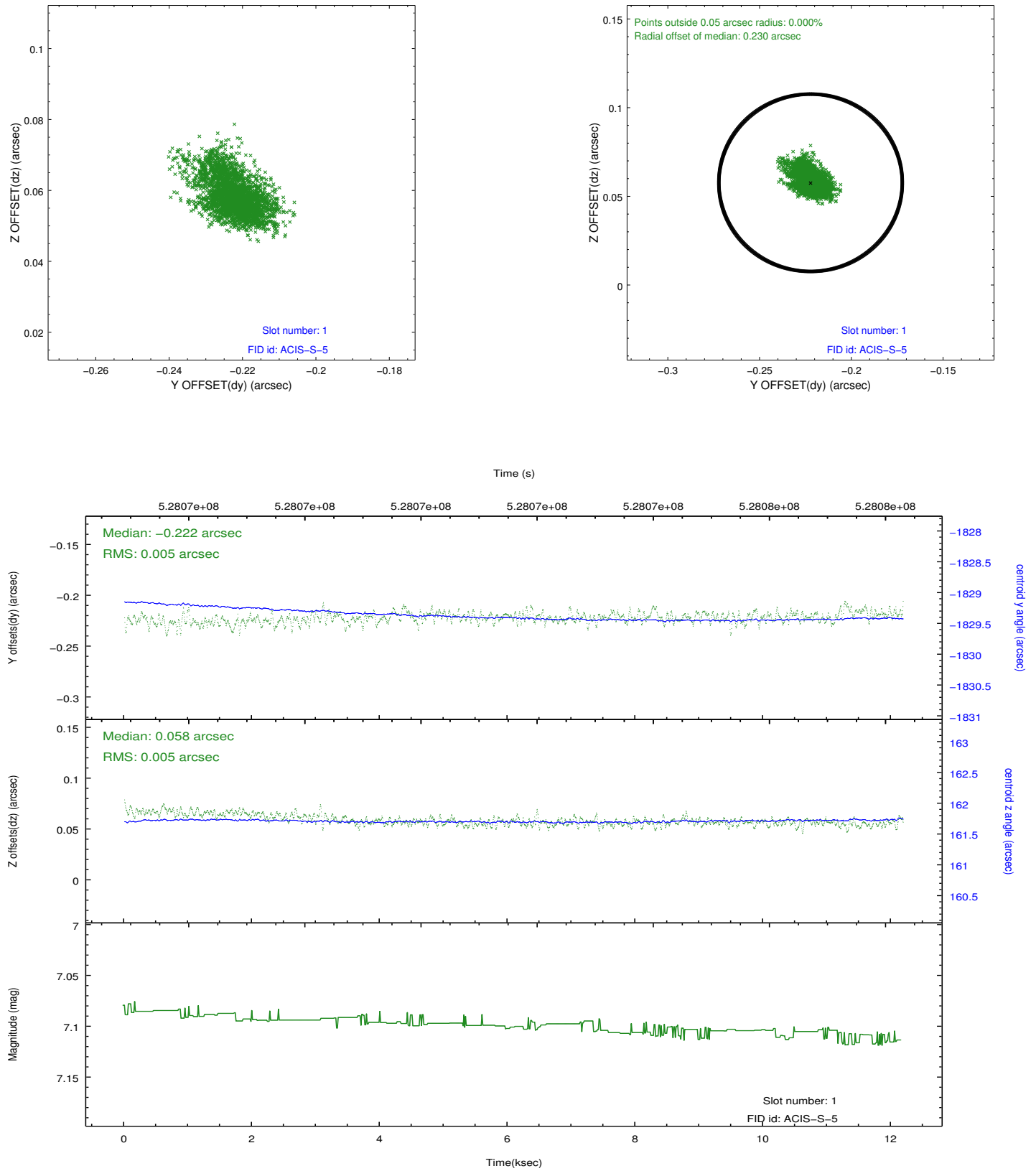


2.5 FID Slots

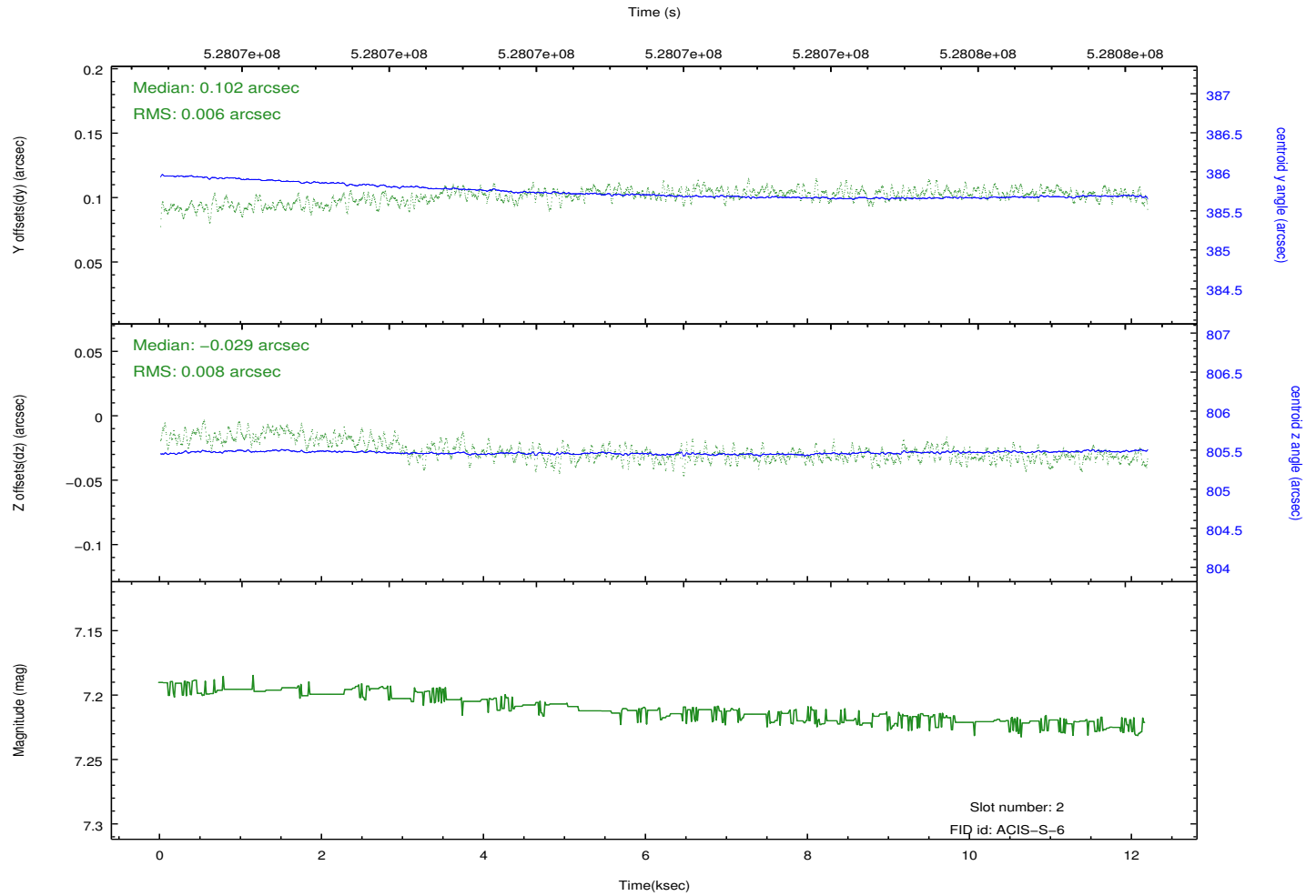
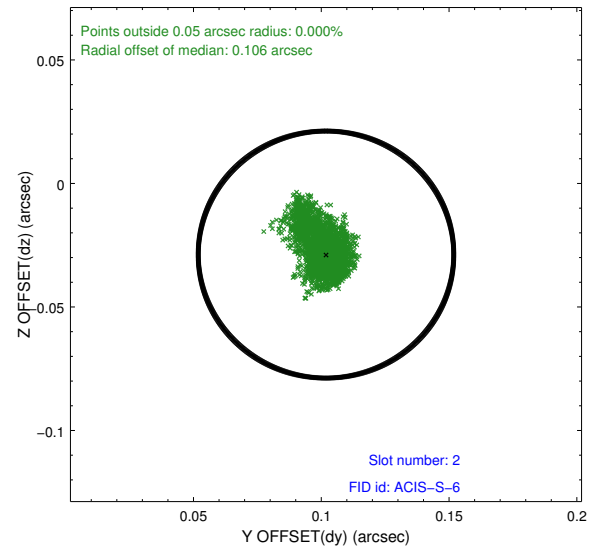
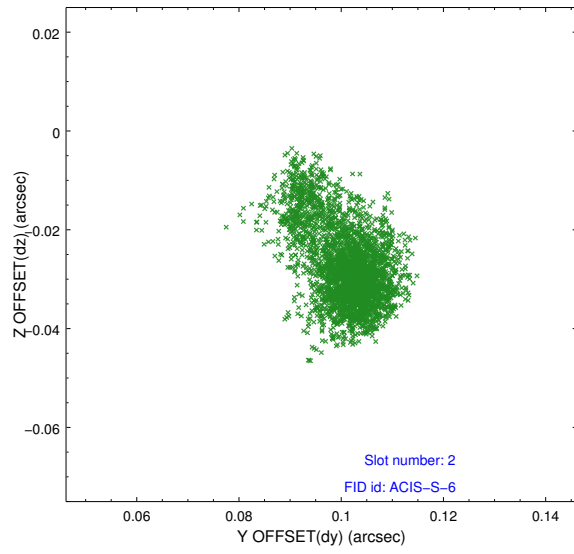
2.5.1 Slot 0



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)	2014.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.074500092864

A.2 Comments