

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19354 - L2 Version 1
Chandra X-Ray Center

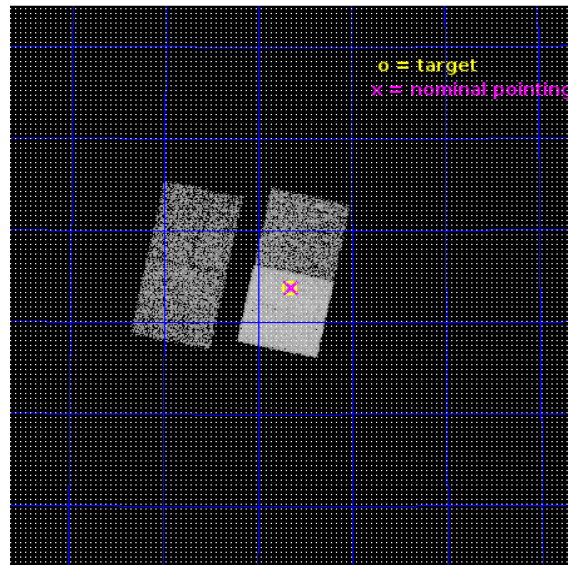
L2 Processing Date : Dec 3 2017

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1 Front

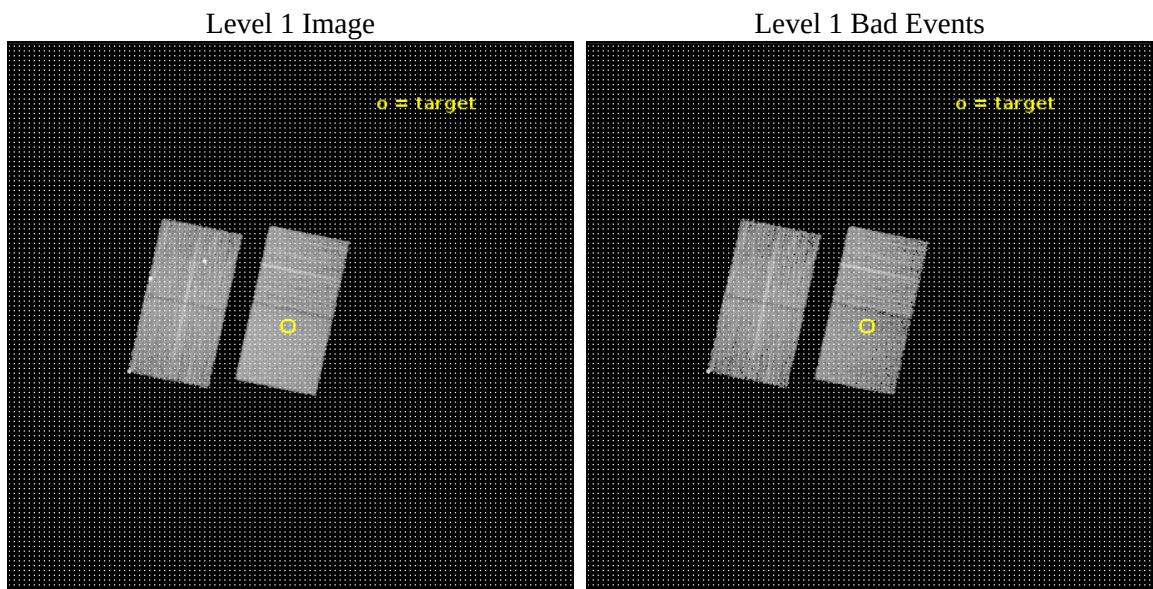
seq_num	601311	Sequence number
obs_id	19354	Observation id
title	A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample	Proposal title
observer	Ian McHardy	Principal investigator
object	NGC 2541	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	123.667083	Observer's specified target RA [deg]
dec_targ	49.061444	Observer's specified target Dec [deg]
ra_nom	123.66069180854	Nominal RA [deg]
dec_nom	49.063084866948	Nominal Dec [deg]
roll_nom	102.06370208475	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8067.8435319662	Sum of GTIs [s]
livetime	7962.4312167611	Livetime [s]
ontime2	8067.7204120159	Sum of GTIs [s]
ontime3	8067.7614519596	Sum of GTIs [s]
ontime6	8067.8024920225	Sum of GTIs [s]
ontime7	8067.8435319662	Sum of GTIs [s]
l2events	47041	Number of level 2 events



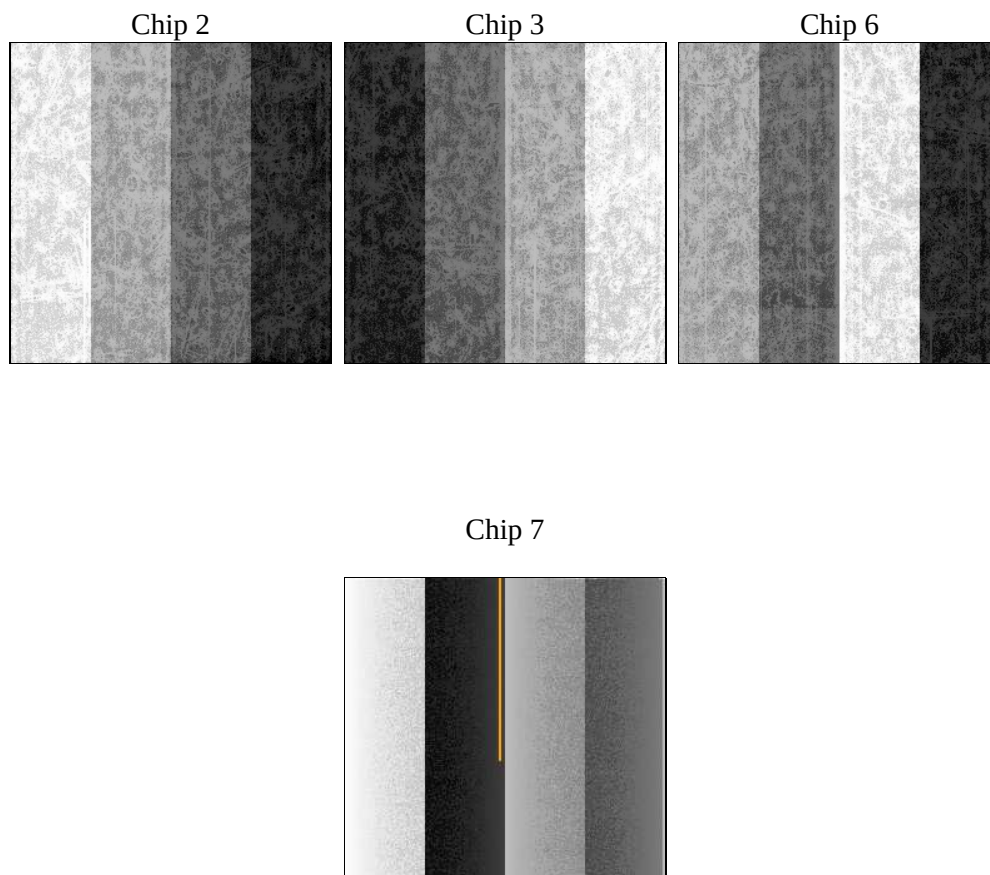
2 OBI

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	10.6	Processing system revision	ontime	8067.8435319662	Sum of GTIs [s]
caldsver	4.7.6	 	ontime2	8067.7204120159	Sum of GTIs [s]
date	2017-12-03T16:56:09	Date and time of file creation	ontime3	8067.7614519596	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8067.8024920225	Sum of GTIs [s]
			ontime7	8067.8435319662	Sum of GTIs [s]
			l1events	259131	Number of level 1 events

2.1.4 Events

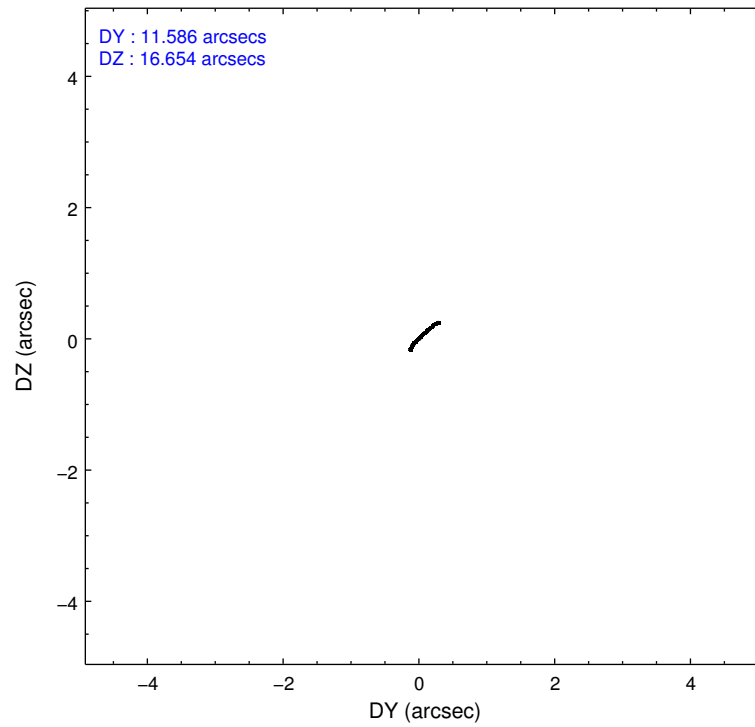
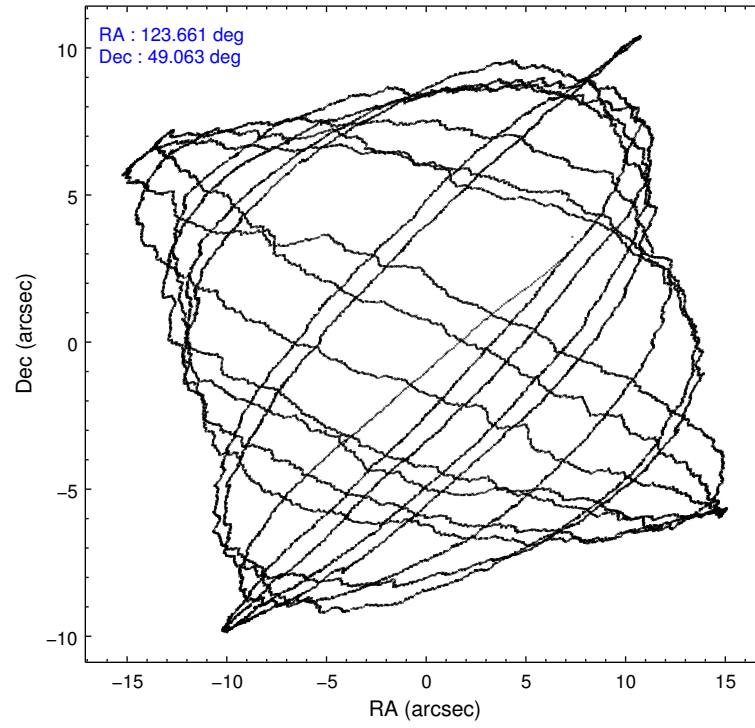
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	65594	57831	61445	74261
rejected events	54880	51997	54947	42303
rejected %	83%	89%	89%	56%

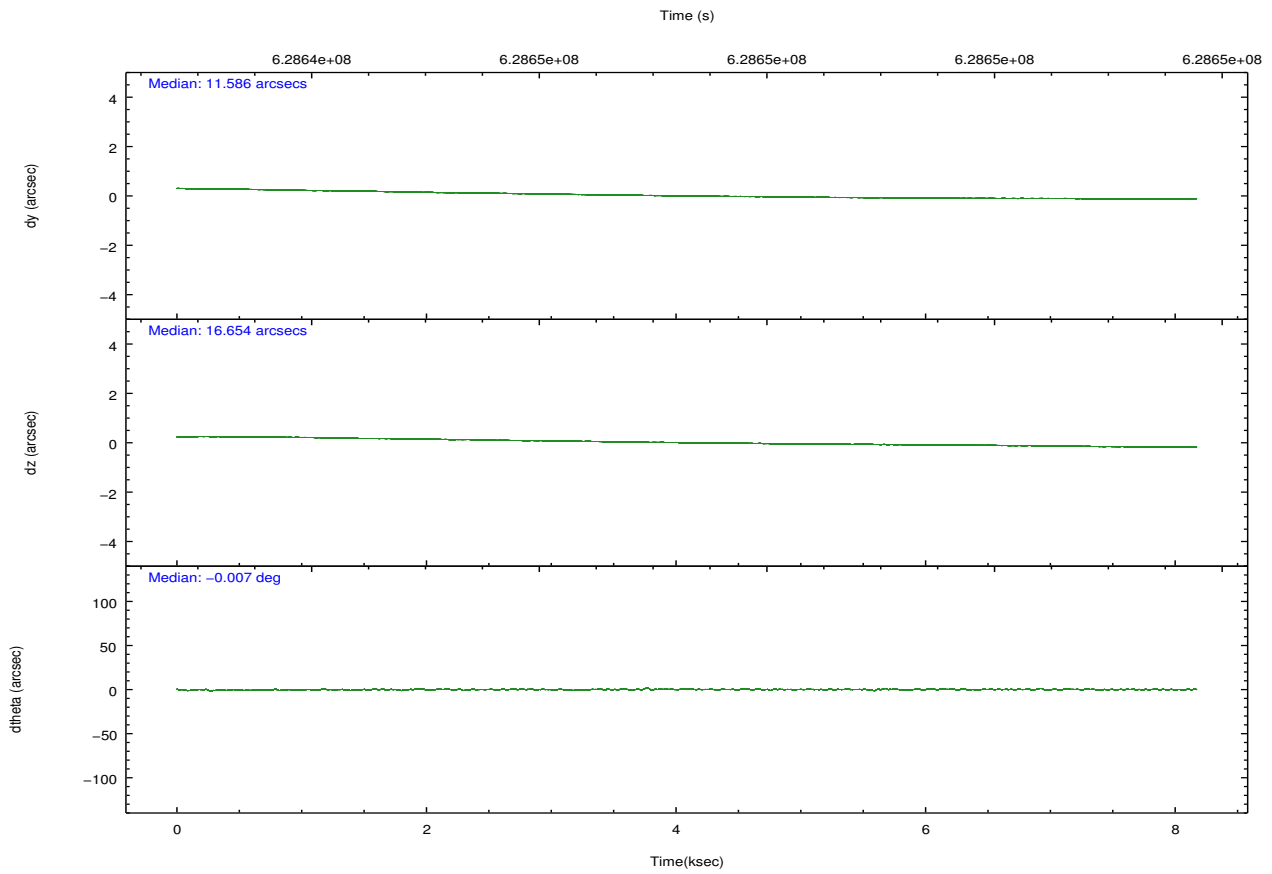
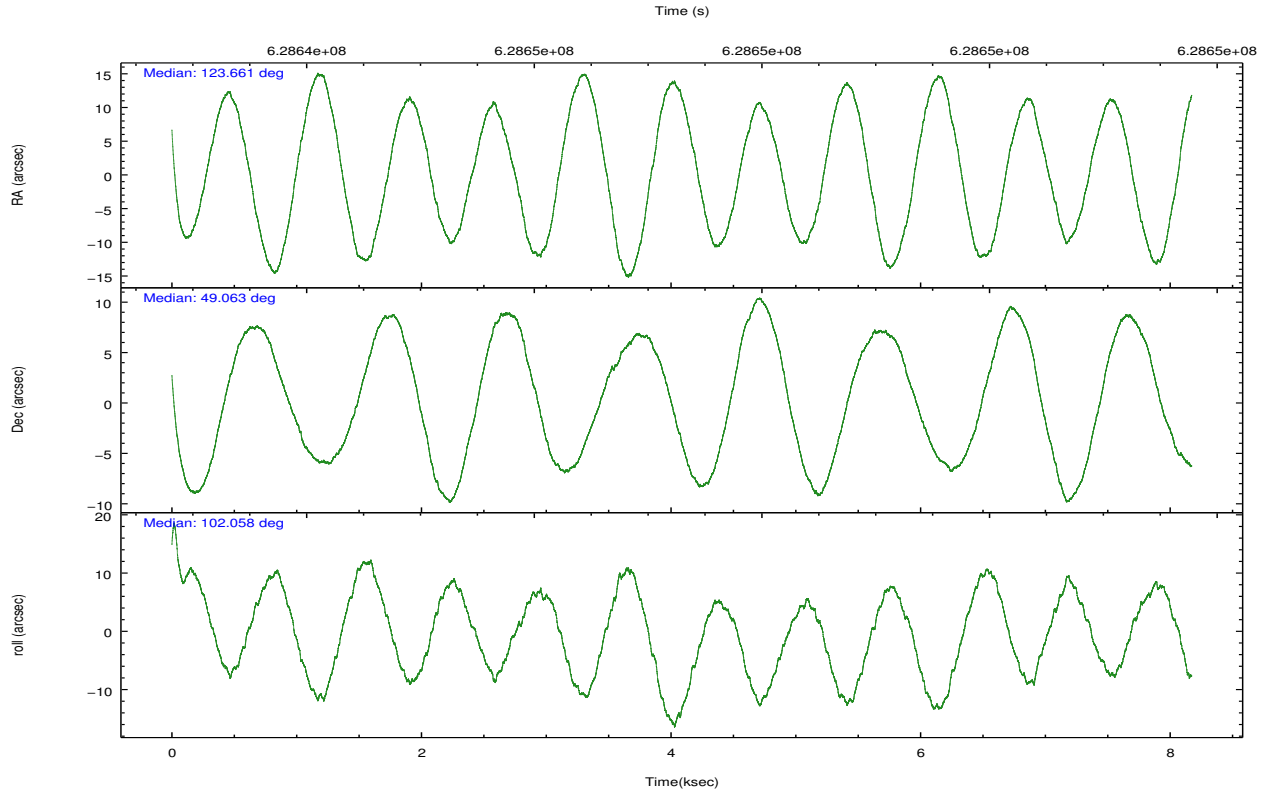
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6914	2039	1766	2652
	10%	3%	2%	3%
grade 1 events	70	29	31	104
	0%	0%	0%	0%
grade 2 events	1356	1321	1880	6606
	2%	2%	3%	8%
grade 3 events	546	602	535	2579
	0%	1%	0%	3%
grade 4 events	611	565	501	2439
	0%	0%	0%	3%
grade 5 events	2089	2486	2347	7175
	3%	4%	3%	9%
grade 6 events	1293	1310	1818	17696
	1%	2%	2%	23%
grade 7 events	52715	49479	52567	35010
	80%	85%	85%	47%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	123.689226	123.6606918085408	Subarray requested	NONE	NONE
[deg] Pointing Dec	49.042984	49.06308486694832	Alternating exposures requested	N	N
[deg] Pointing Roll	101.885488	102.063702084751	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	628643399.184000	628642291.79206			
Observation start date	2017-12-02T23:08:50	2017-12-02T22:51:31			
[s] Observation end time (MET)	628651399.184000	628652394.19265			
Observation end date	2017-12-03T01:22:10	2017-12-03T01:39:54			
Read mode	TIMED	TIMED			

2.3 Aspect



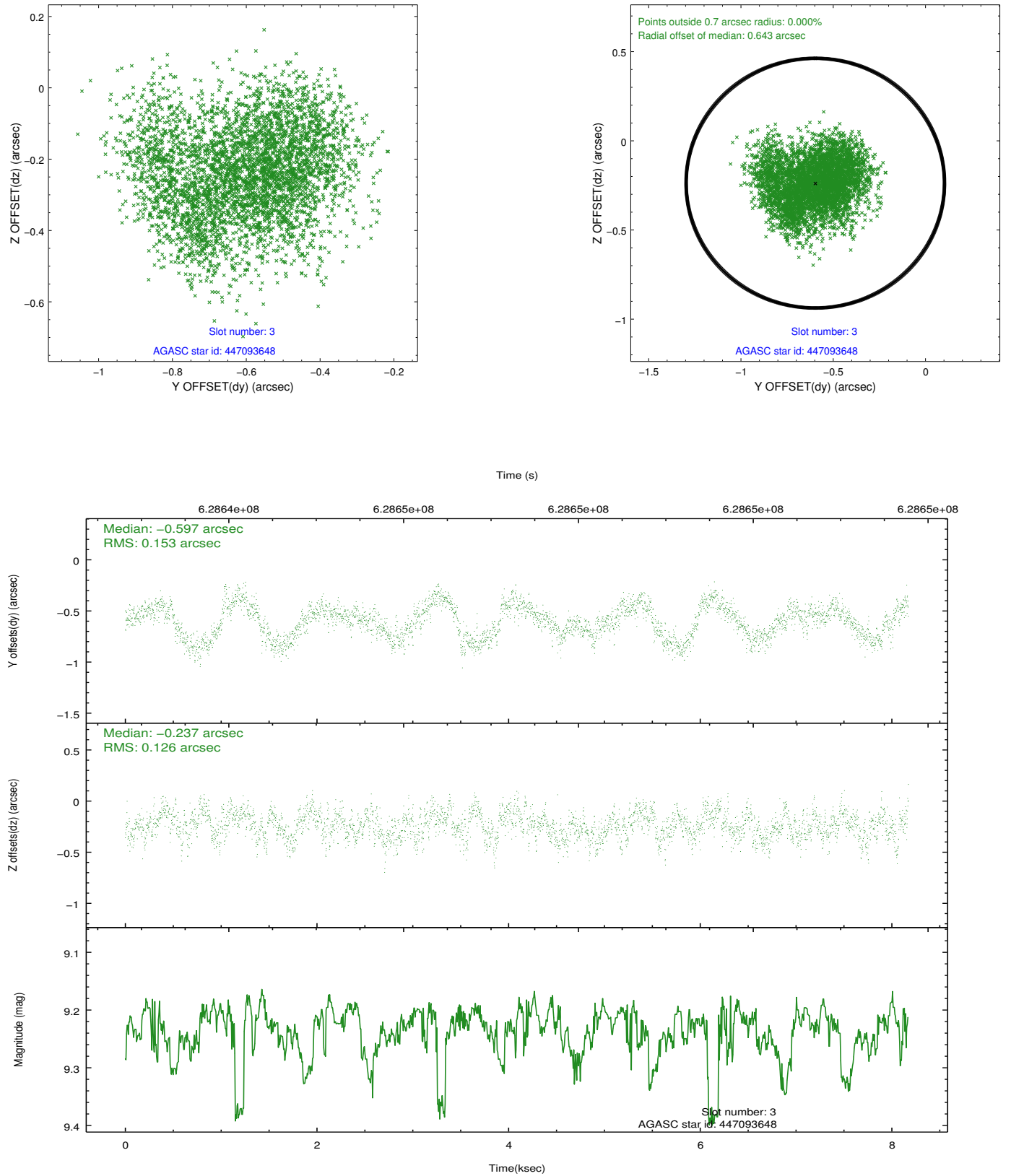


Slot Statistics

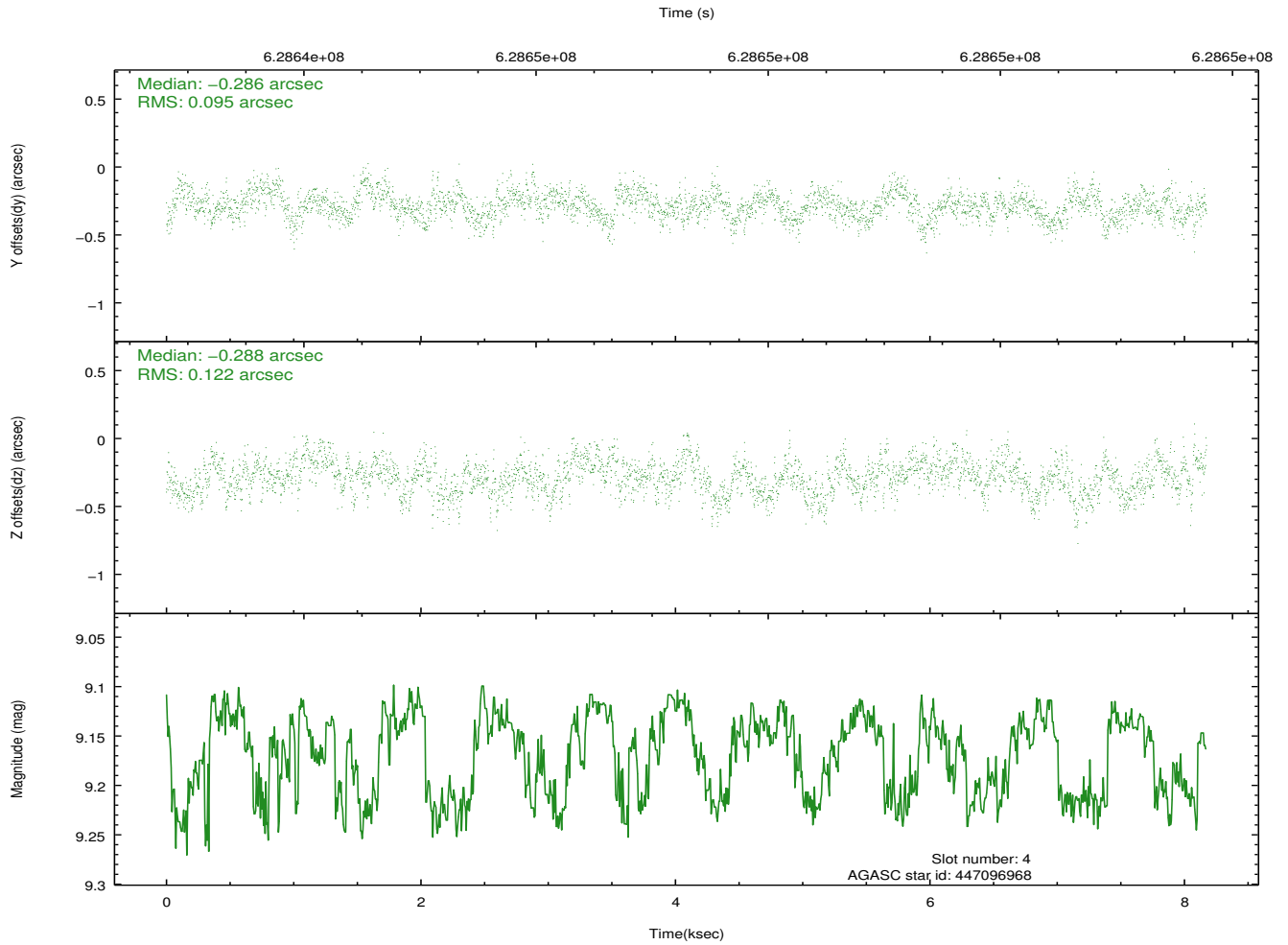
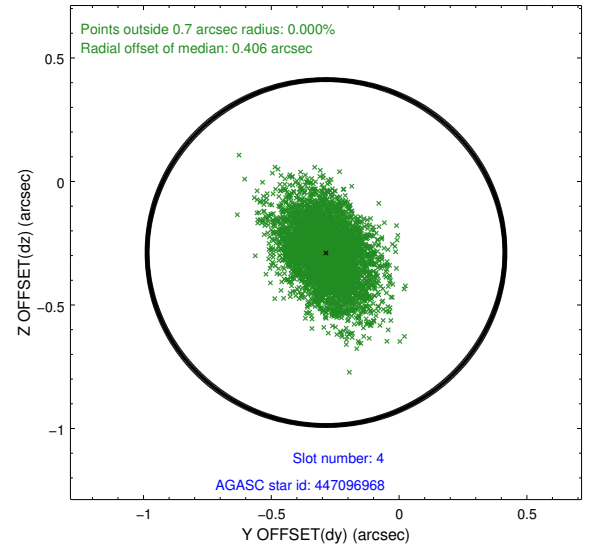
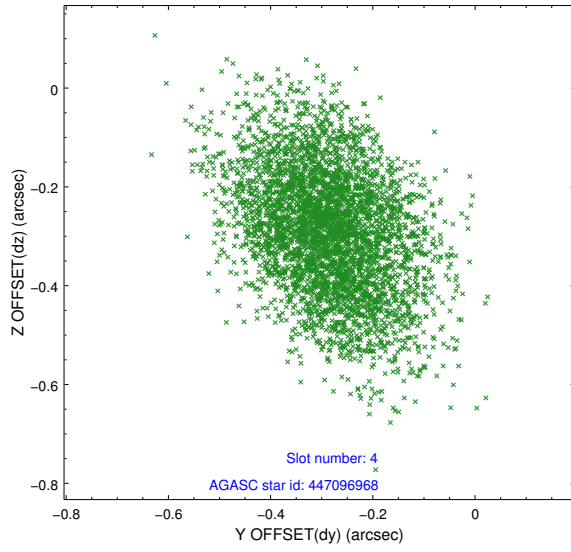
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.25	1994	0.144	-0.104	0.010	0.015	0.000000	0.000000	931.72	-1733.82
1	FID		ACIS-S-5	7.28	1994	-0.287	0.069	0.010	0.017	0.000000	0.000000	-1817.36	163.15
2	FID		ACIS-S-6	7.42	1994	0.122	0.046	0.009	0.015	0.000000	0.000000	396.46	807.90
3	GUIDE	used	447093648	9.23	3982	-0.597	-0.237	0.221	0.323	123.040412	49.315369	1279.09	1286.83
4	GUIDE	used	447096968	9.16	3985	-0.286	-0.288	0.165	0.271	122.968729	49.579442	2244.62	1247.14
5	GUIDE	used	447099336	7.80	3988	0.308	-0.123	0.118	0.216	123.619219	48.437866	-2096.50	612.13
6	GUIDE	used	448006808	9.21	3985	0.105	0.125	0.156	0.270	124.211537	49.499558	1360.24	-1534.52
7	GUIDE	used	448006160	8.27	3986	0.494	0.536	0.206	0.333	124.237130	48.566527	-1941.55	-924.82

2.4 Star Slots

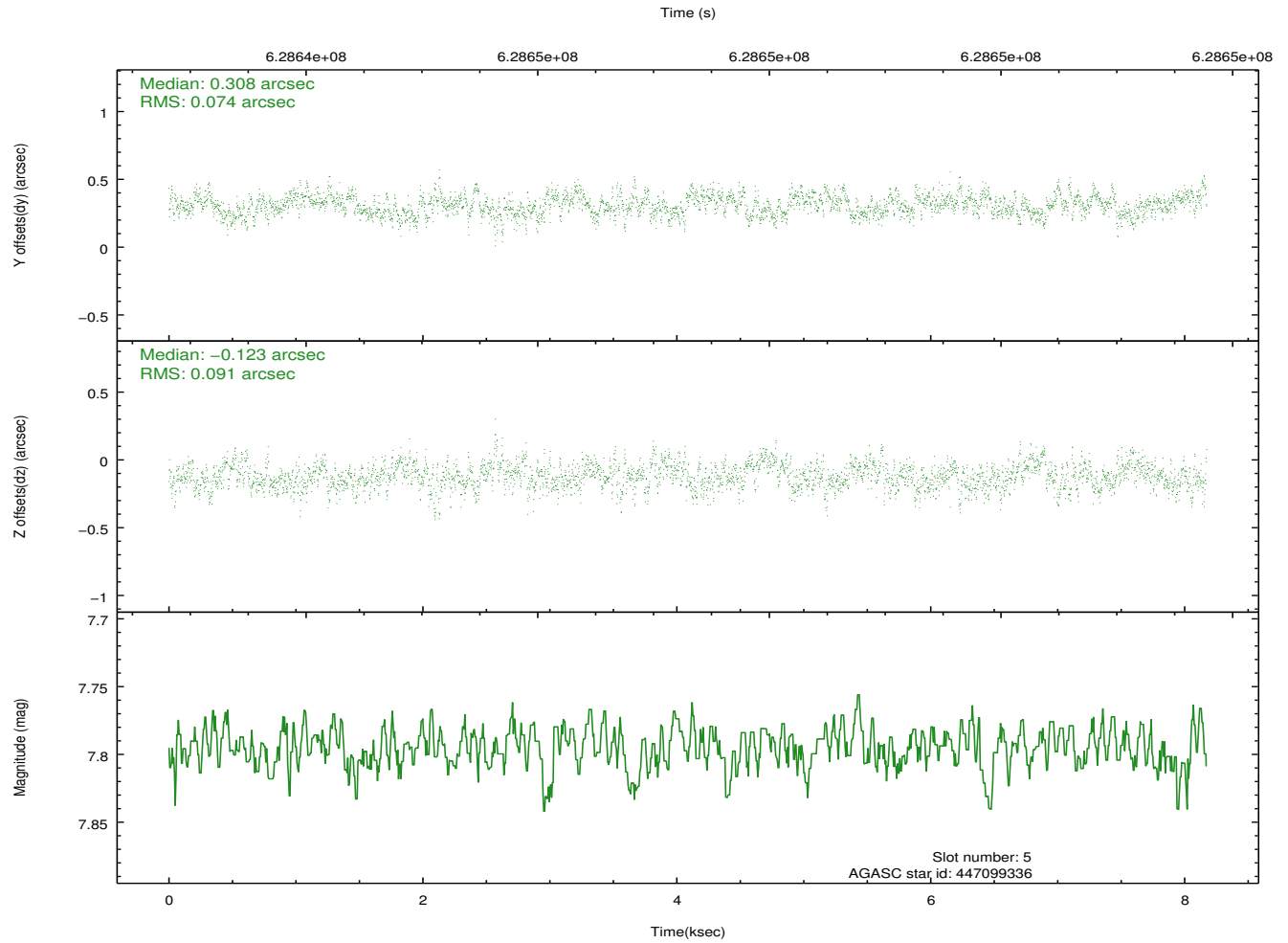
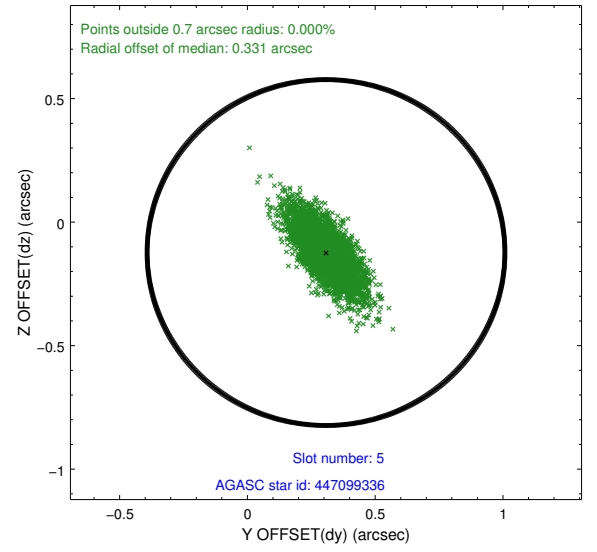
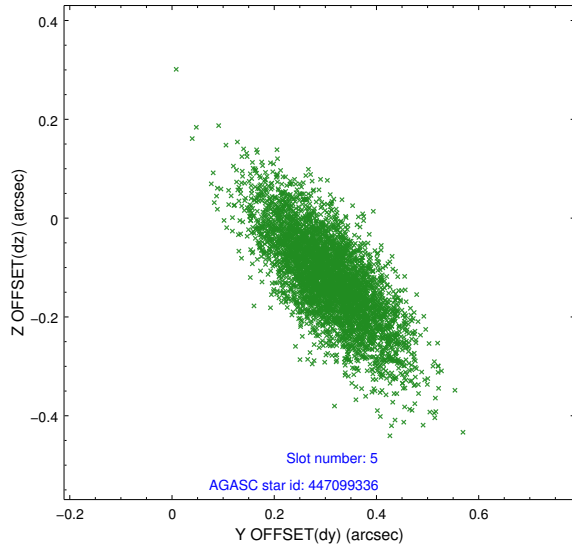
2.4.1 Slot 3



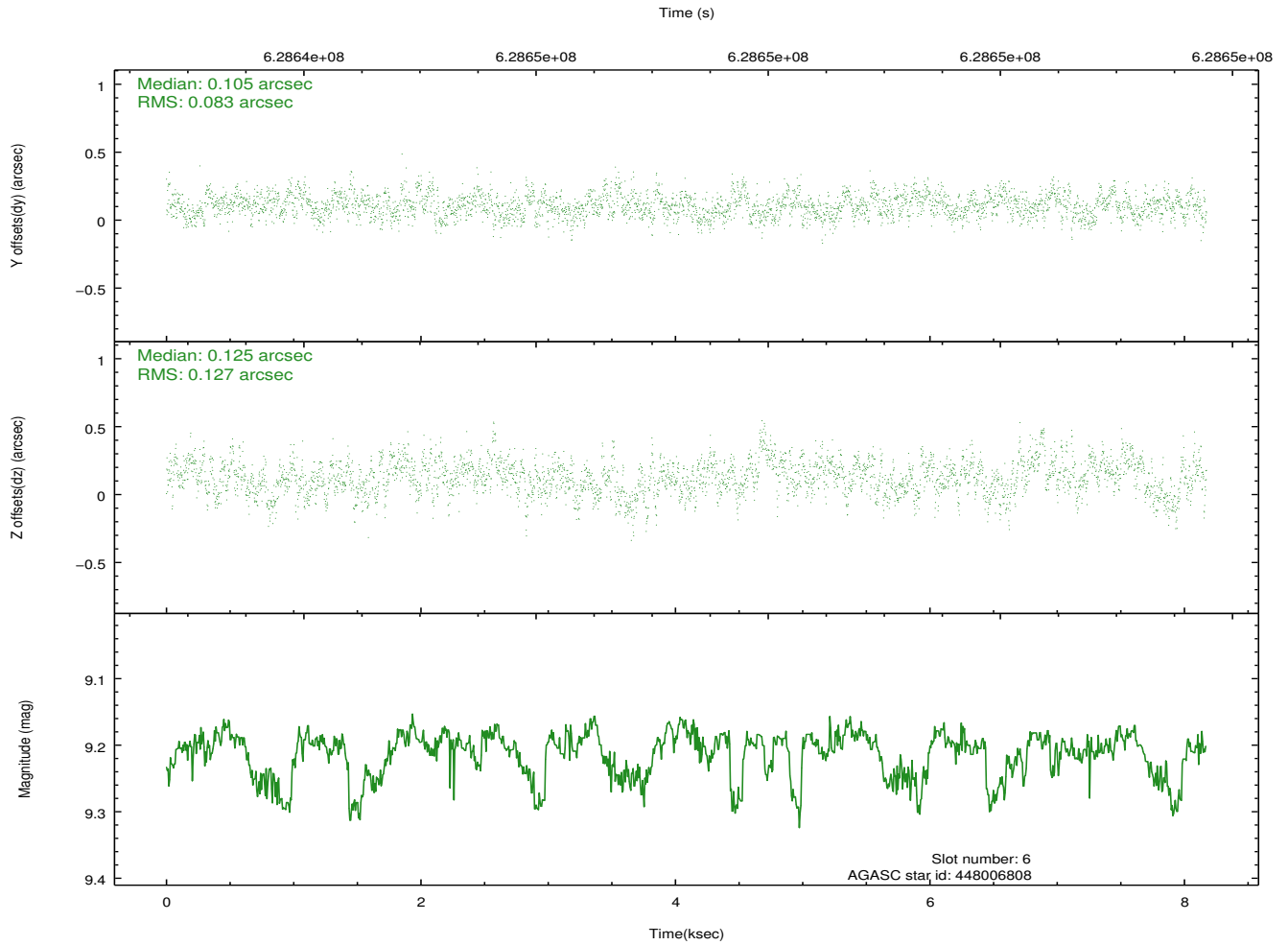
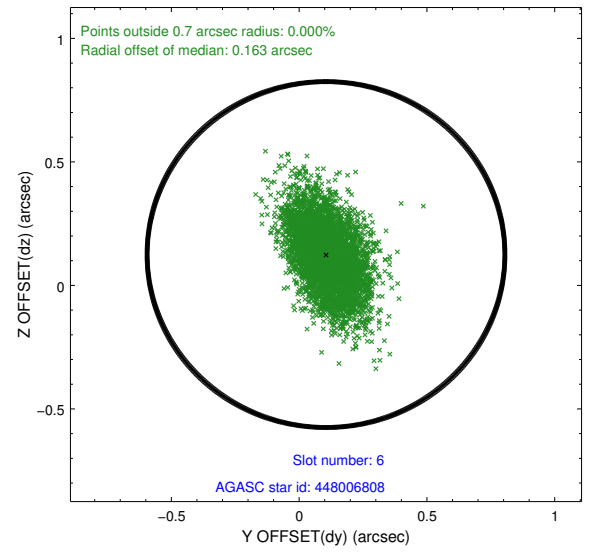
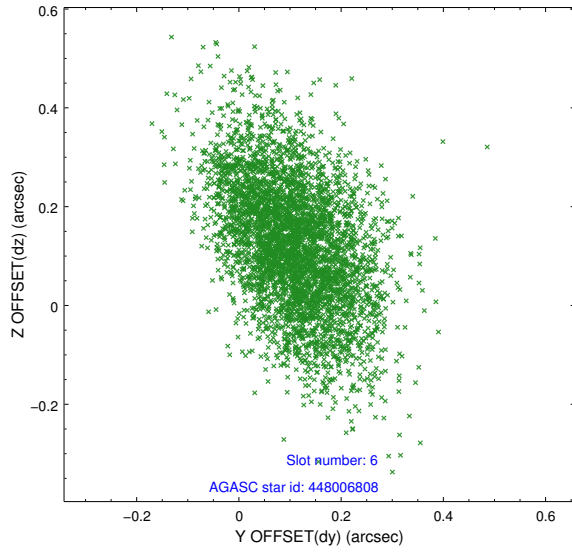
2.4.2 Slot 4



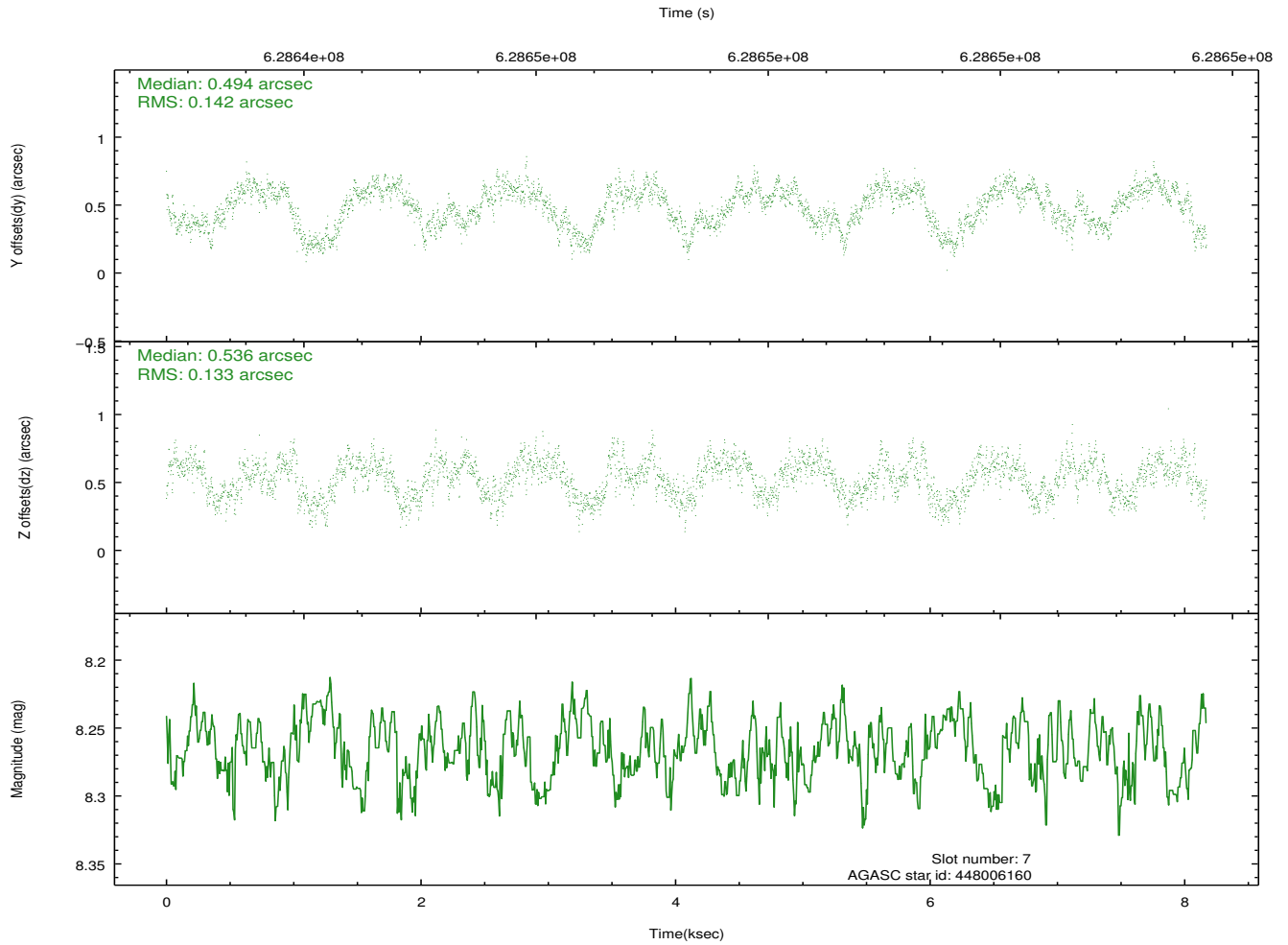
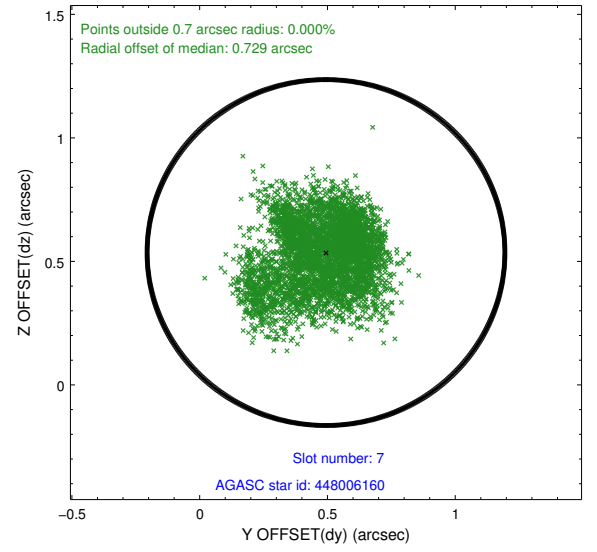
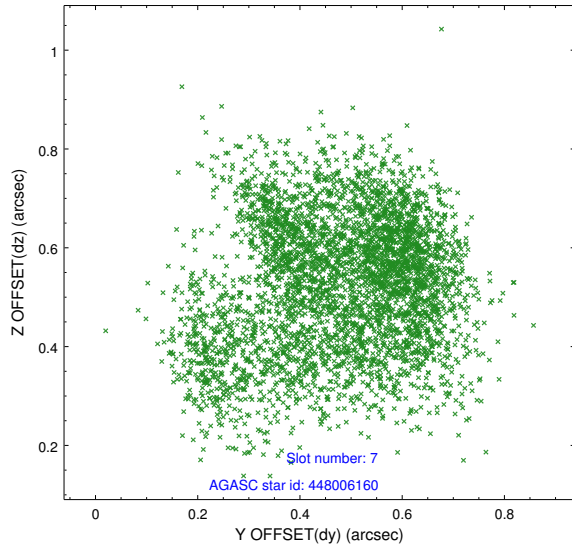
2.4.3 Slot 5



2.4.4 Slot 6

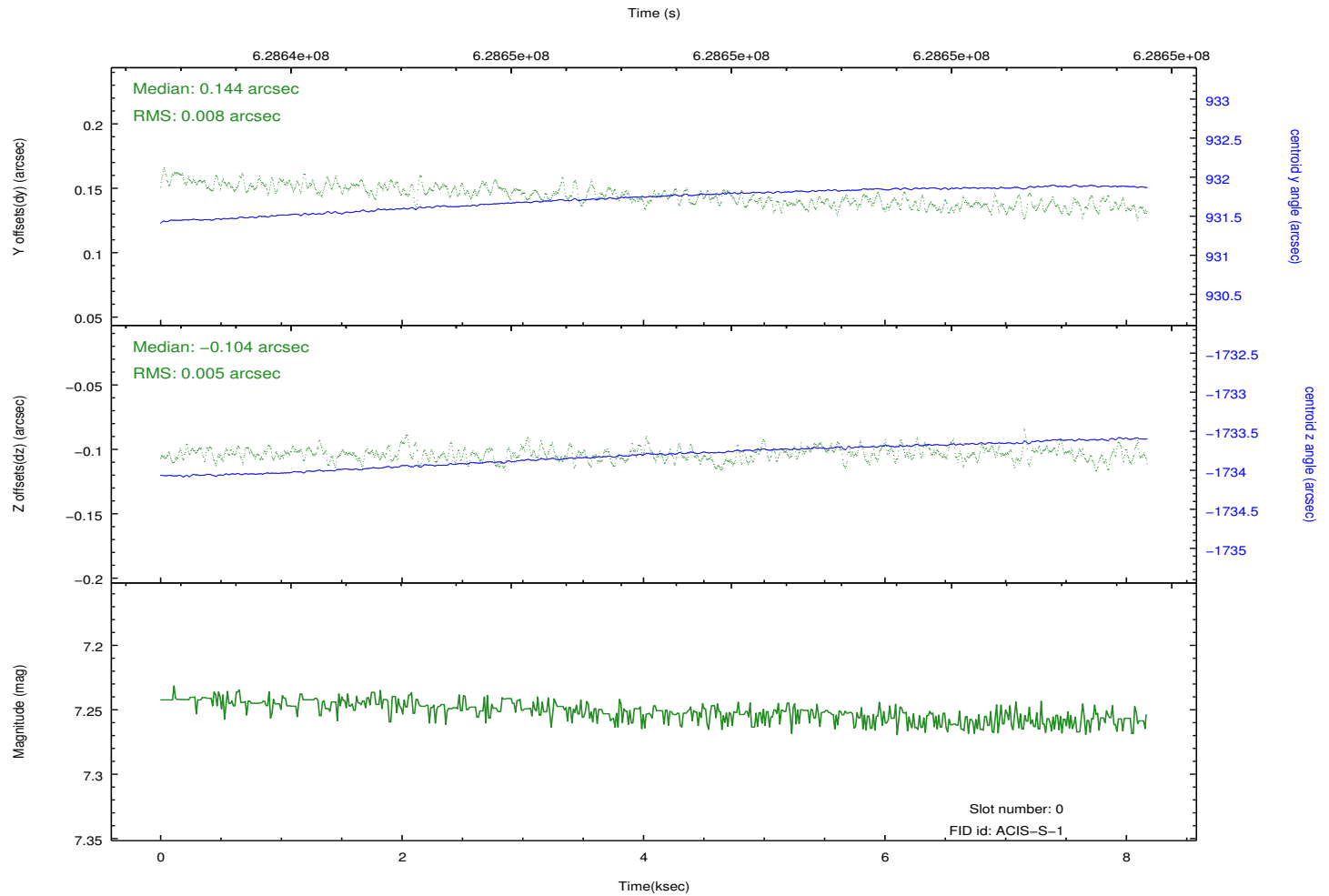
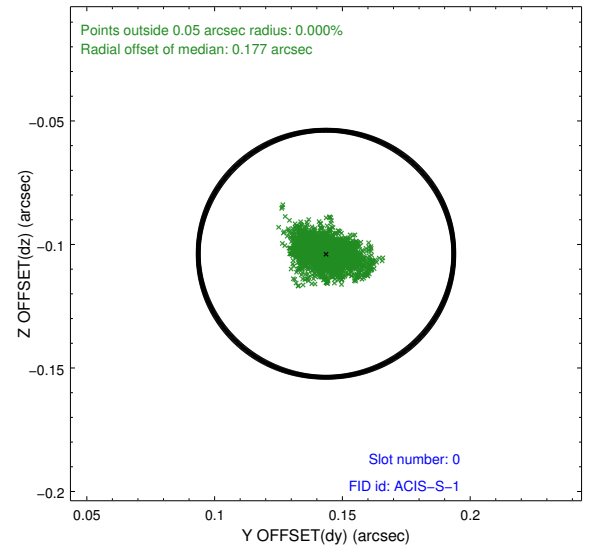
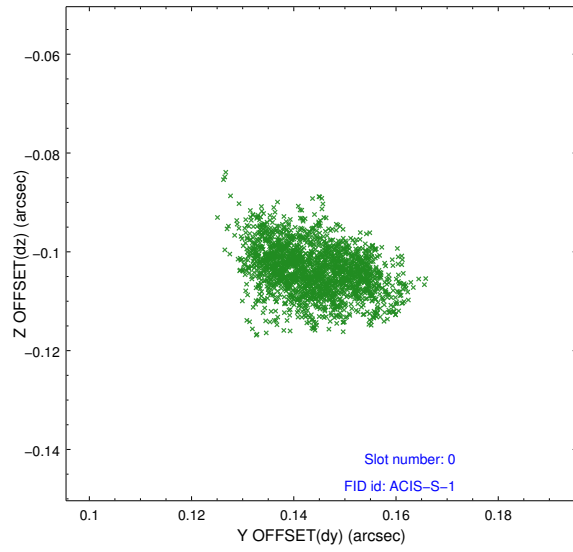


2.4.5 Slot 7

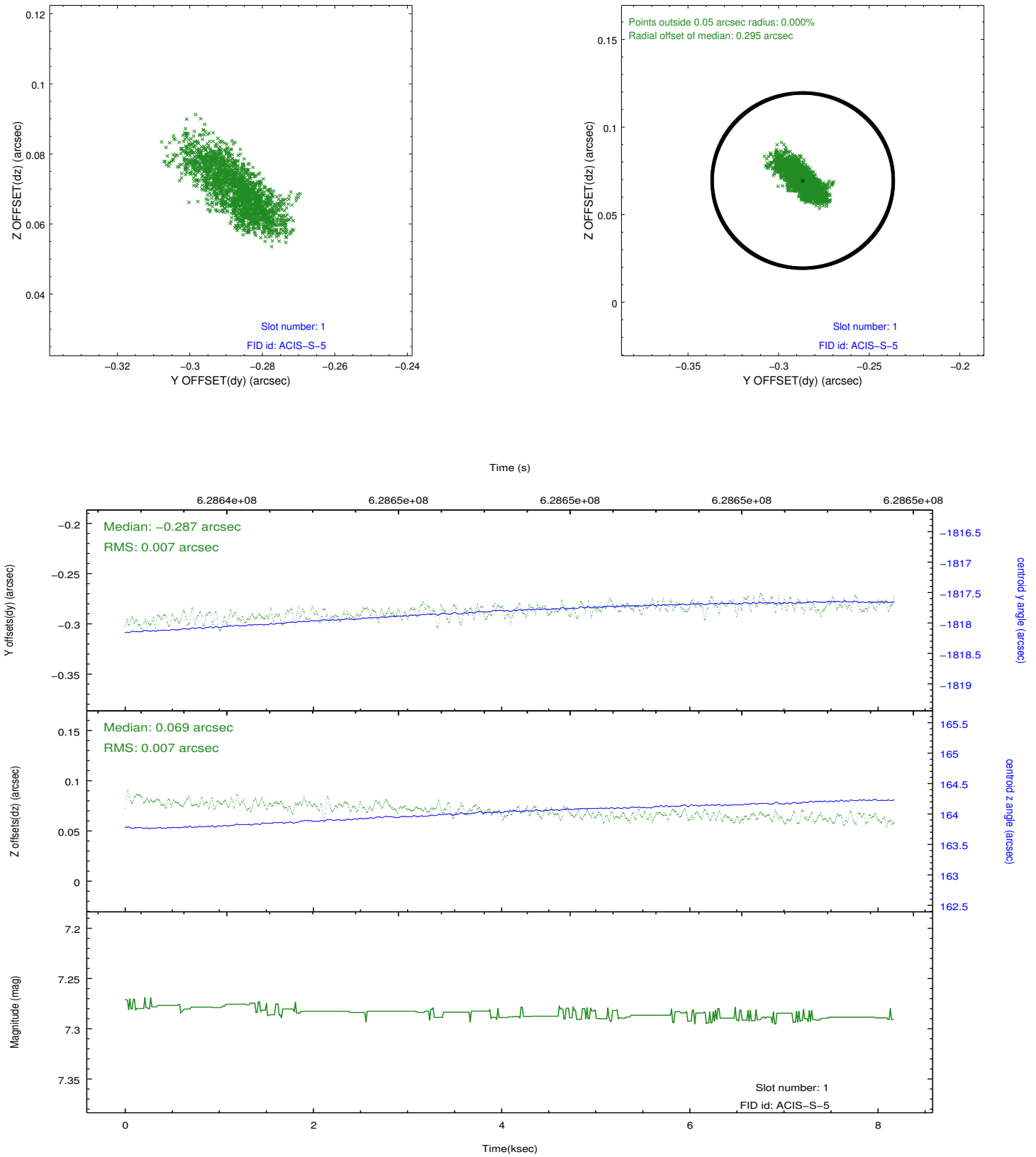


2.5 FID Slots

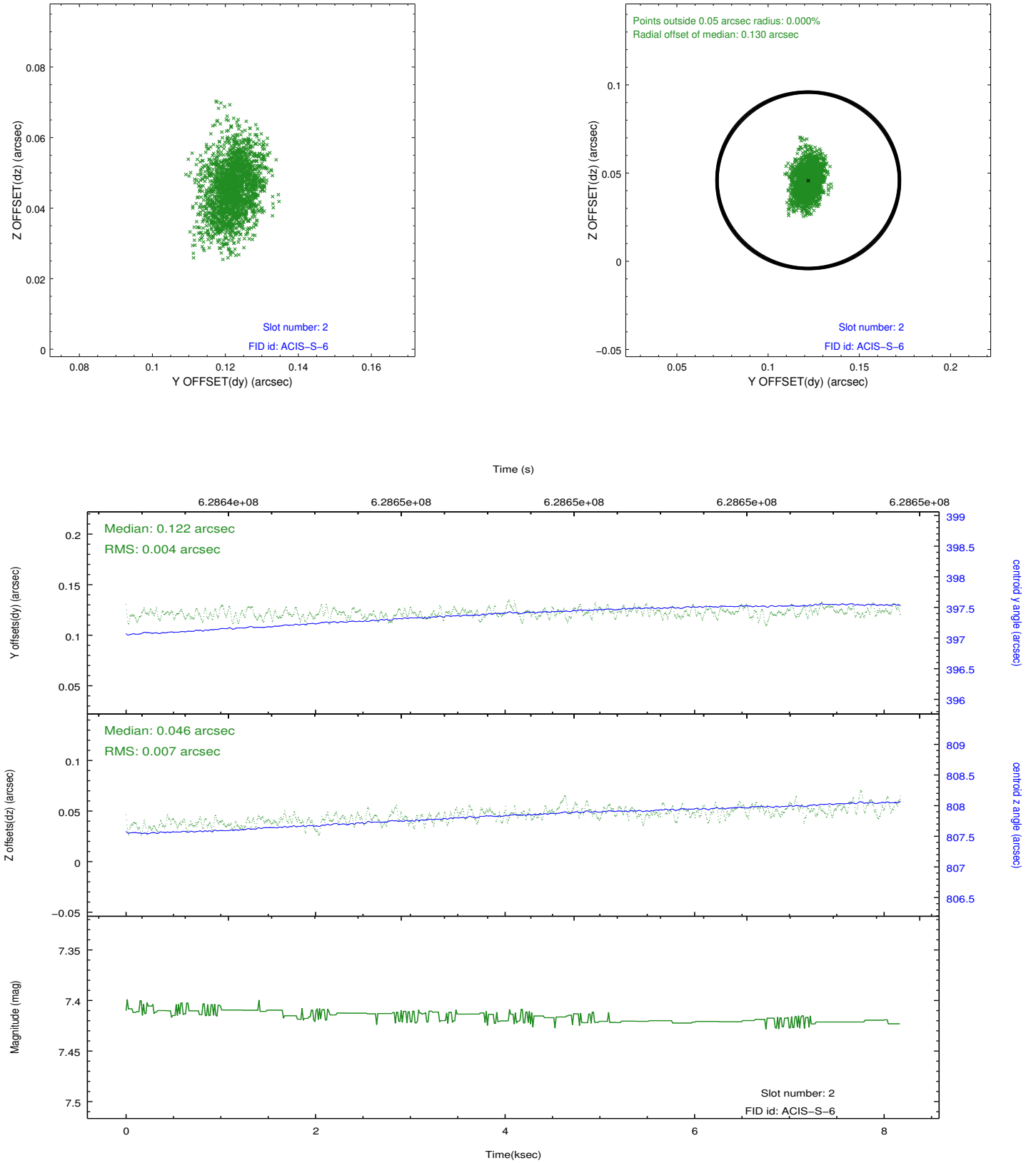
2.5.1 Slot 0



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)	2017.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0678435319662

A.2 Comments