

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 8261 - L2 Version 2
Chandra X-Ray Center

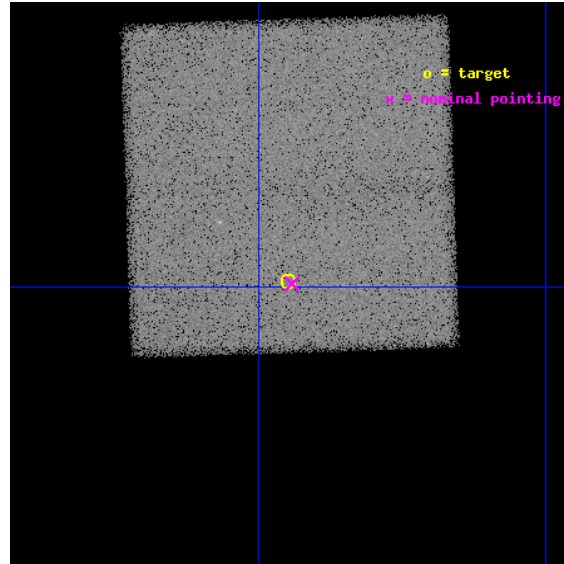
L2 Processing Date : Apr 9 2012

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1 Front

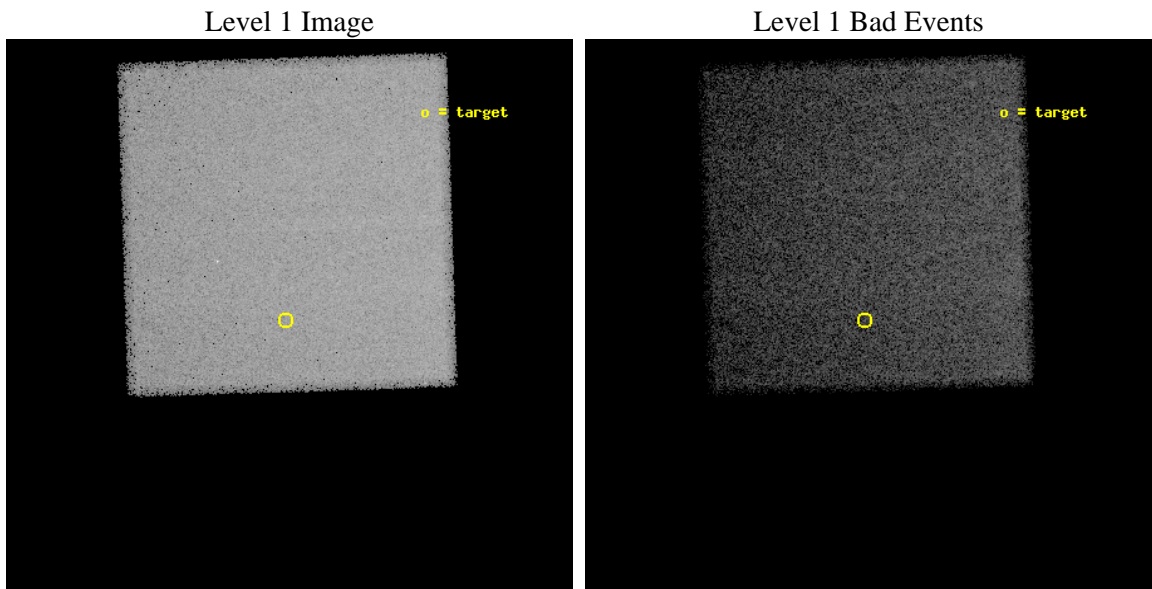
seq_num	400553	Sequence number
obs_id	8261	Observation id
title	The lowest-luminosity quiescent neutron star transient: implications for strong field gravity and the neutron star EoS	Proposal title
observer	dr Peter Jonker	Principal investigator
object	1H 1905+000	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.1125	Observer's specified target RA [deg]
dec_targ	0.168889	Observer's specified target Dec [deg]
ra_nom	287.11080148333	Nominal RA [deg]
dec_nom	0.1676988616943	Nominal Dec [deg]
roll_nom	268.15664265776	Nominal Roll [deg]
revision	2	Processing version of data
ontime	42180.0	Sum of GTIs [s]
liveltime	41610.764738379	Livetime [s]
ontime7	42180.0	Sum of GTIs [s]
l2events	211725	Number of level 2 events



2 OBI

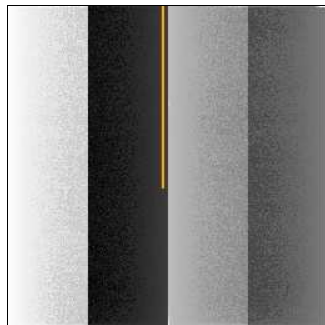
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	42000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	42180.0	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	42180.0	Sum of GTIs [s]
date	2012-04-09T17:57:40	Date and time of file creation	l1events	515752	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

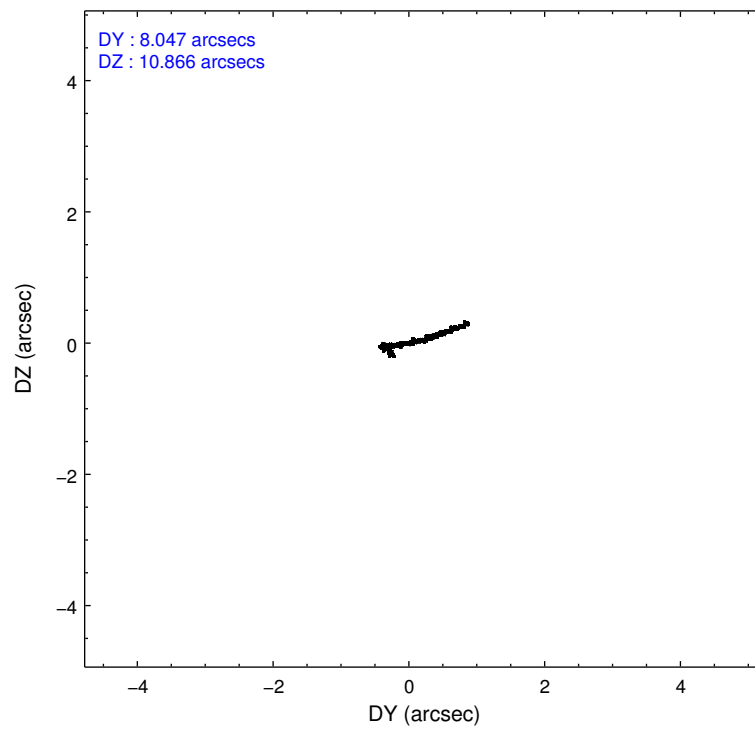
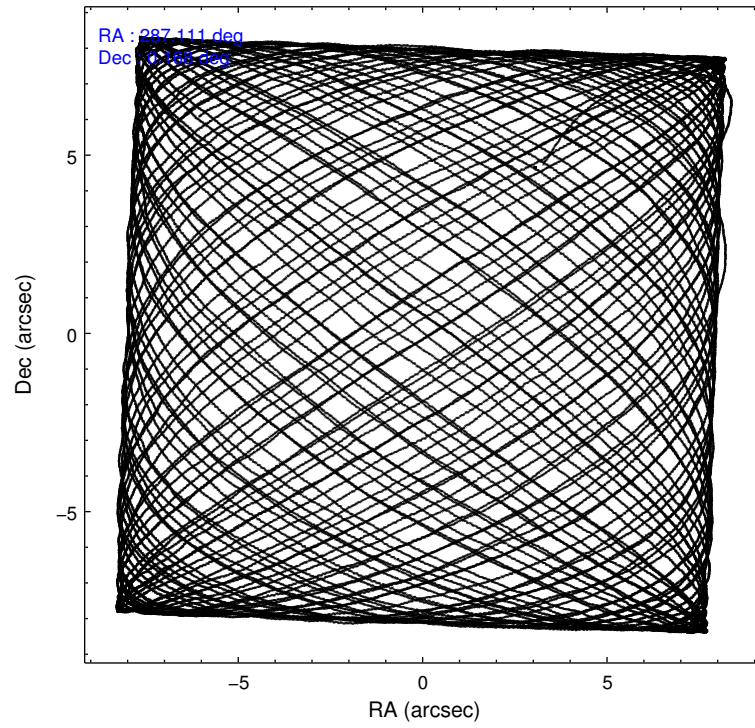
	ccd 7
level 1 events	515752
rejected events	298874
rejected %	57%

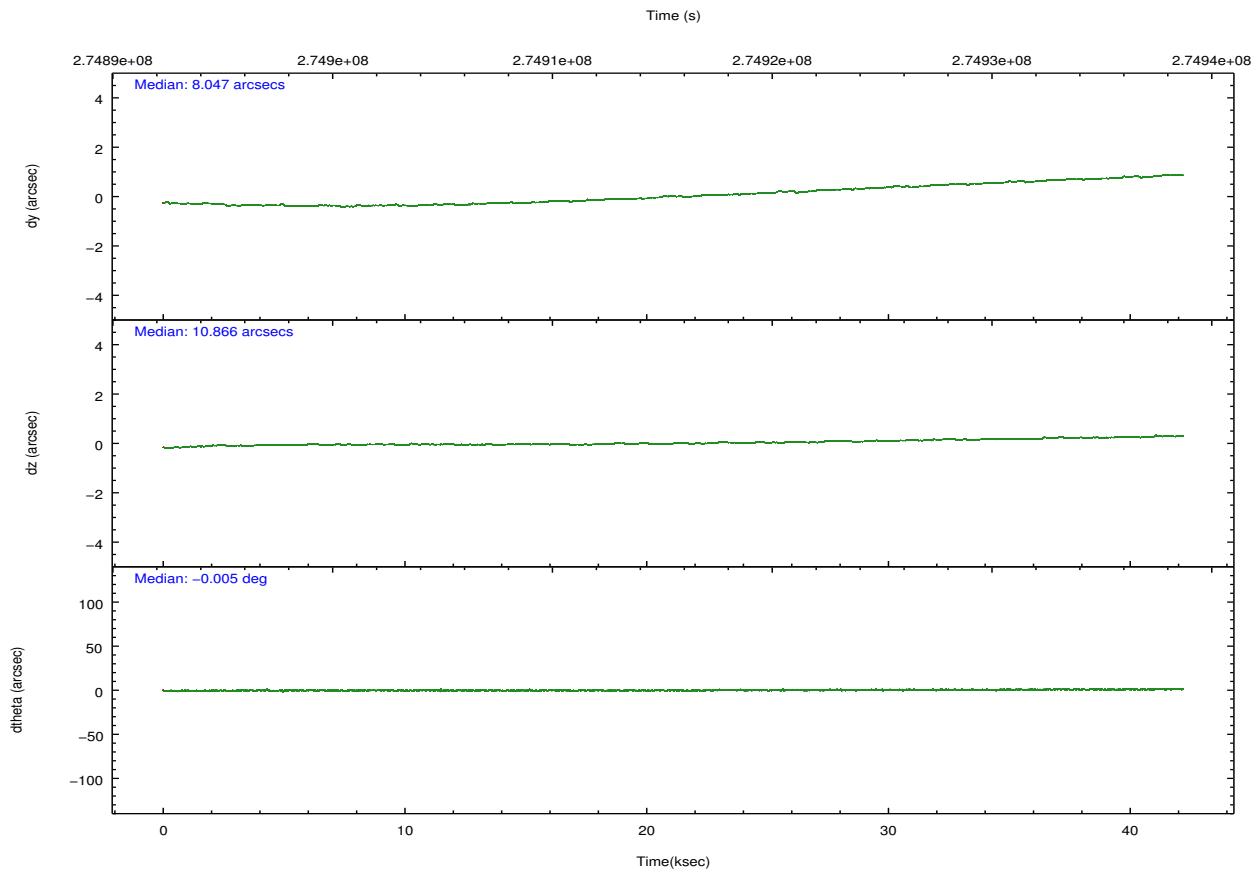
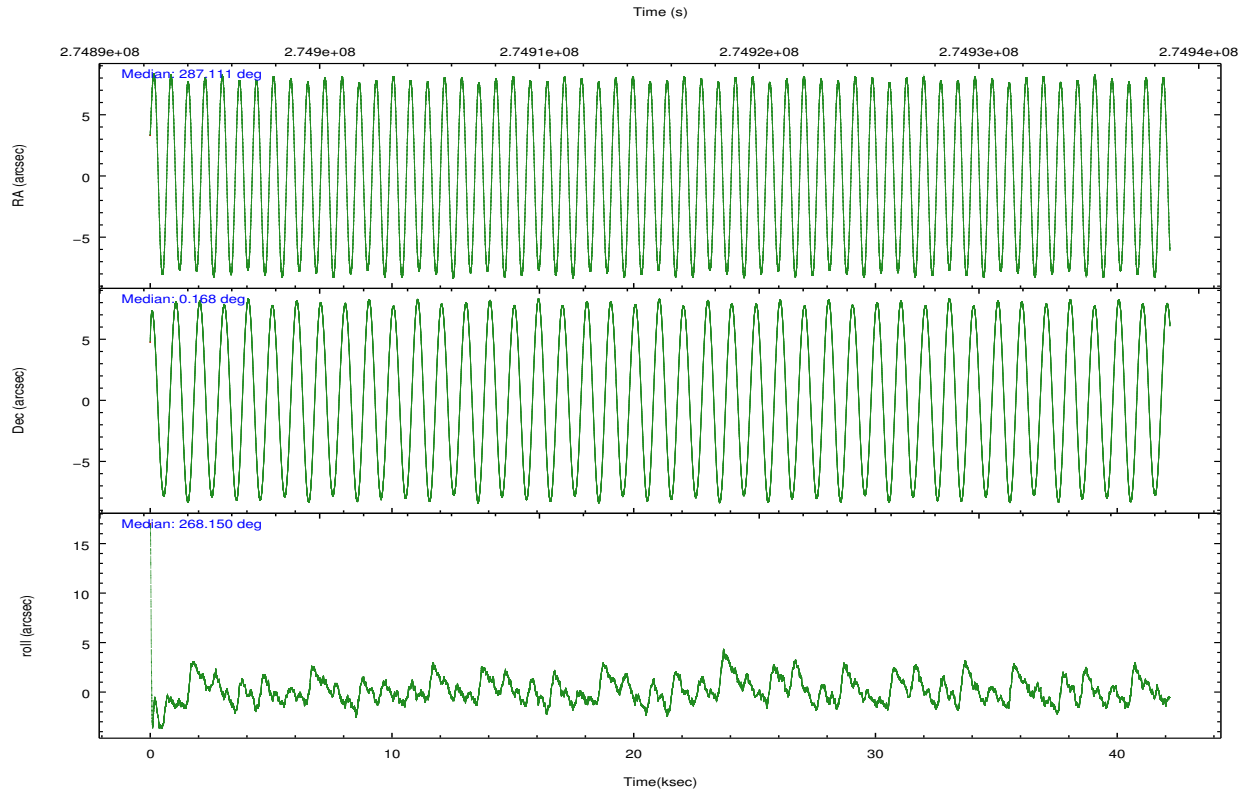
	ccd 7
grade 0 events	19810
	3%
grade 1 events	500
	0%
grade 2 events	44057
	8%
grade 3 events	19059
	3%
grade 4 events	18797
	3%
grade 5 events	48809
	9%
grade 6 events	116385
	22%
grade 7 events	248335
	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	287.097614	287.1108014833349	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.191529	0.1676988616942977	Alternating exposures requested	N	N
[deg] Pointing Roll	268.000047	268.1566426577618	[s] Primary exposure time	0.000000	3
[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)	274894581.184000	274893736.03786			
Observation start date	2006-09-17T15:35:16	2006-09-17T15:22:16			
[s] Observation end time (MET)	274936581.184000	274937099.1774			
Observation end date	2006-09-18T03:15:16	2006-09-18T03:24:59			
Read mode	TIMED	TIMED			

2.3 Aspect



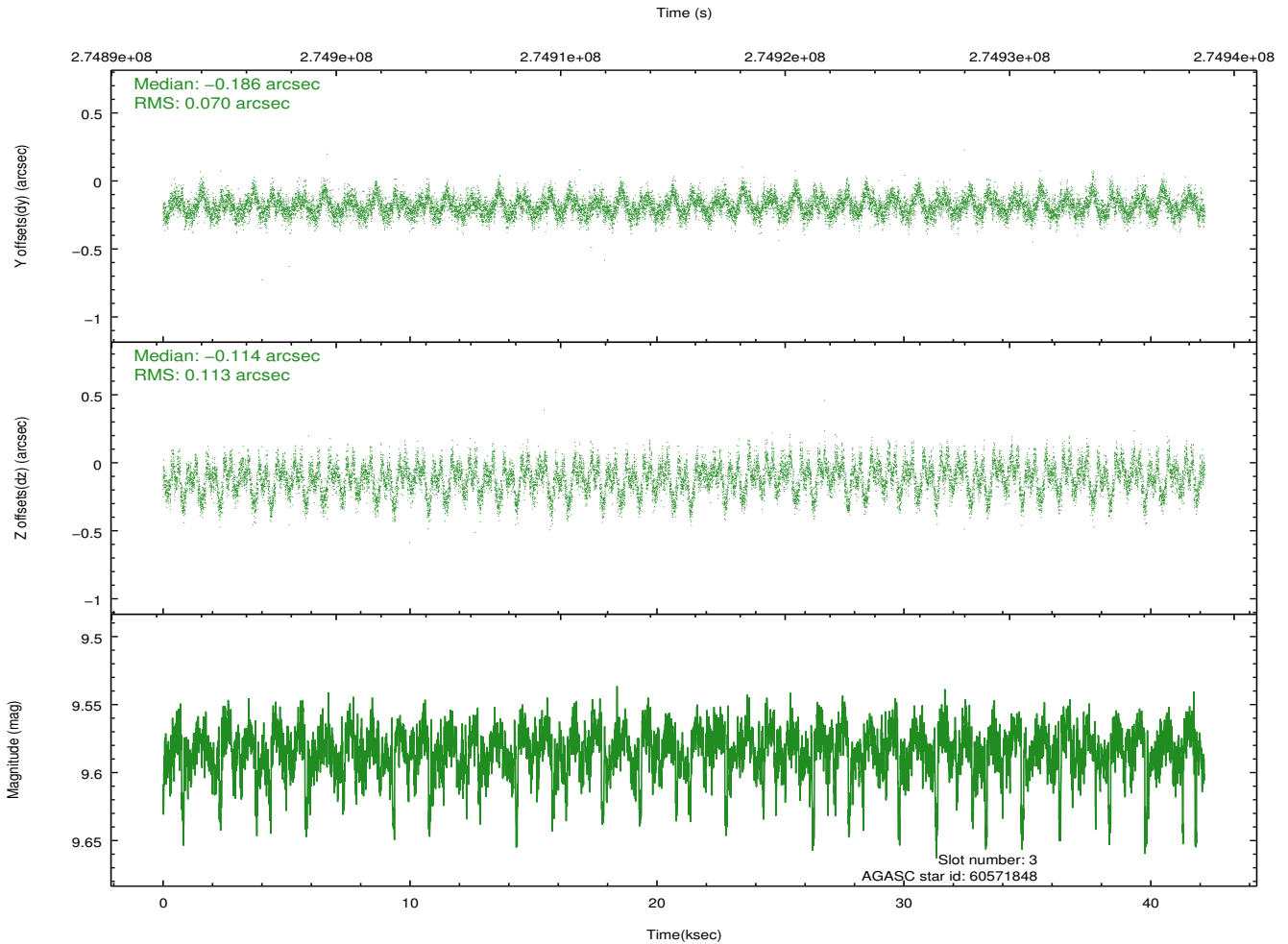
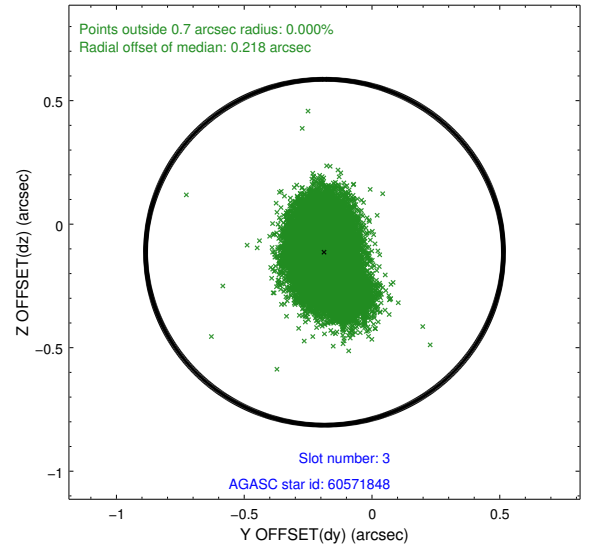
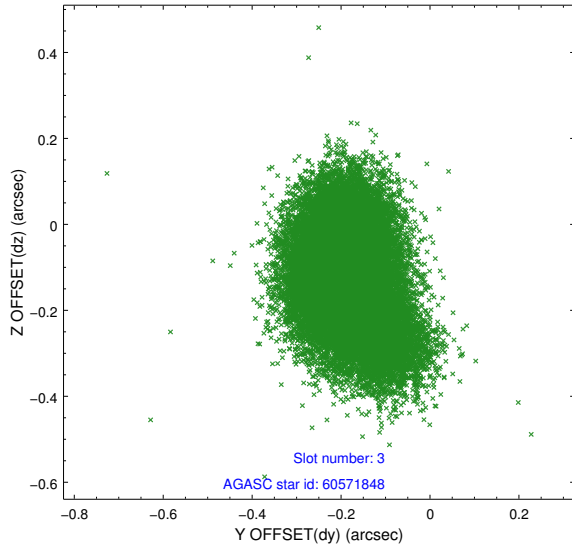


Slot Statistics

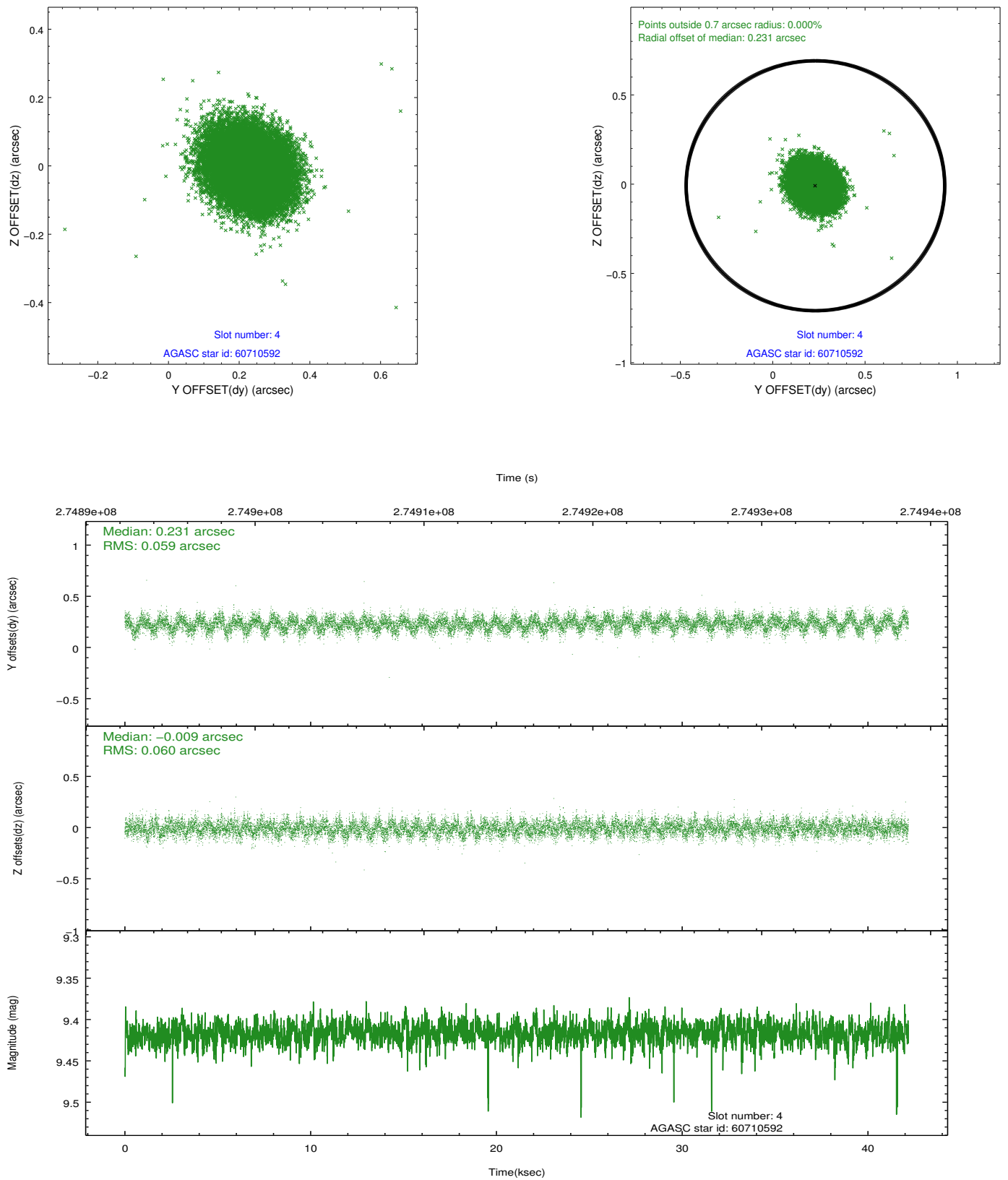
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	10289	-0.047	-0.024	0.013	0.019	0.000000	0.000000	-760.91	-1732.22
1	FID	ACIS-S-4	7.21	10289	0.136	0.030	0.011	0.020	0.000000	0.000000	2152.50	176.38
2	FID	ACIS-S-5	7.23	10289	-0.119	0.004	0.014	0.028	0.000000	0.000000	-1813.87	169.94
3	GUIDE	60571848	9.58	20547	-0.186	-0.114	0.139	0.235	286.580175	0.131372	281.78	-1854.22
4	GUIDE	60710592	9.42	20540	0.231	-0.009	0.089	0.143	287.035703	0.265770	-258.63	-232.18
5	GUIDE	672270944	6.82	20576	0.004	0.037	0.071	0.121	287.464983	-0.428115	2183.43	1399.89
6	GUIDE	672276928	8.47	20569	-0.035	0.062	0.061	0.099	287.532809	-0.439826	2217.05	1645.47
7	GUIDE	672281216	9.30	20553	-0.023	0.031	0.097	0.155	287.454836	-0.067927	888.84	1317.99

2.4 Star Slots

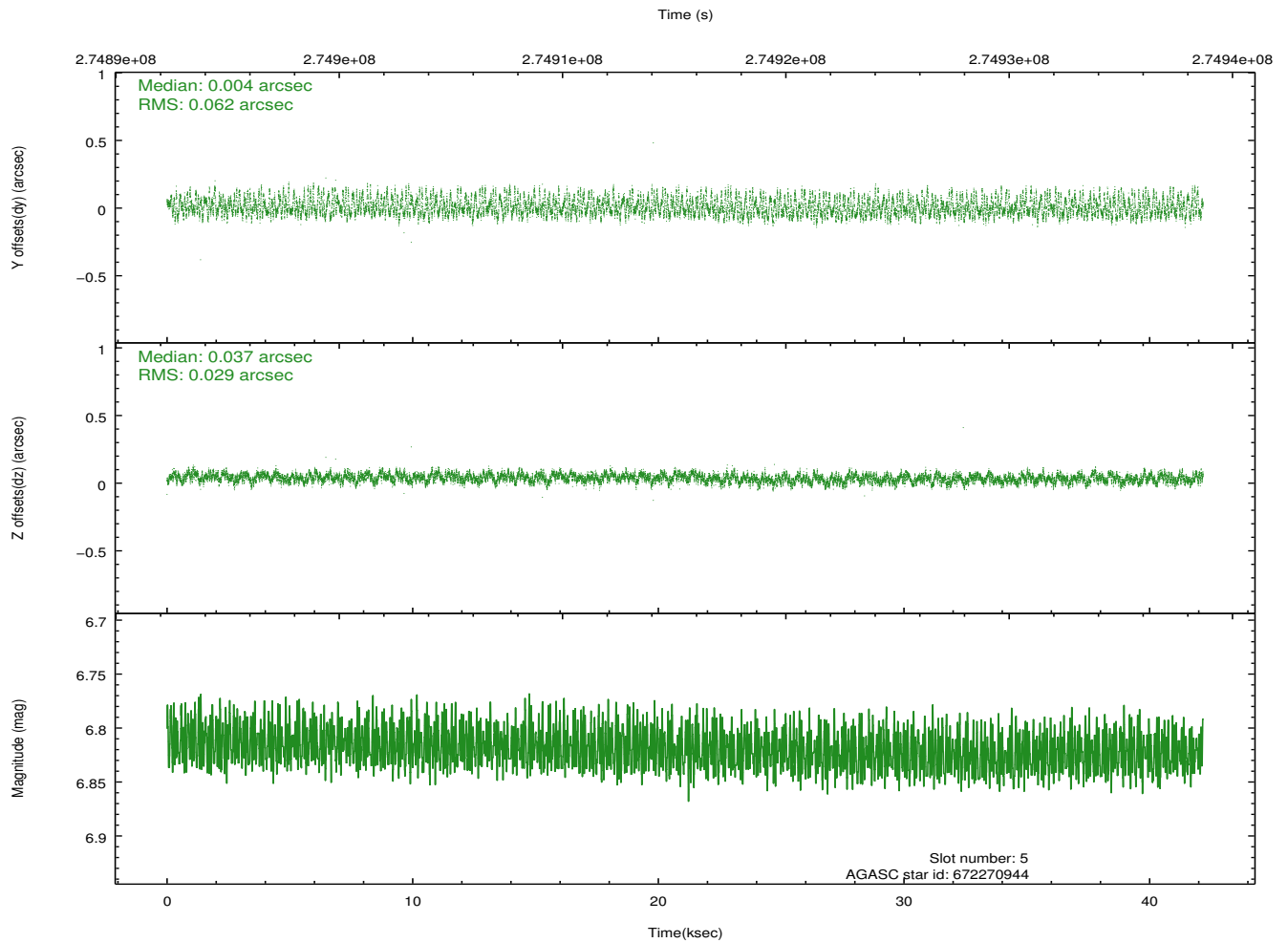
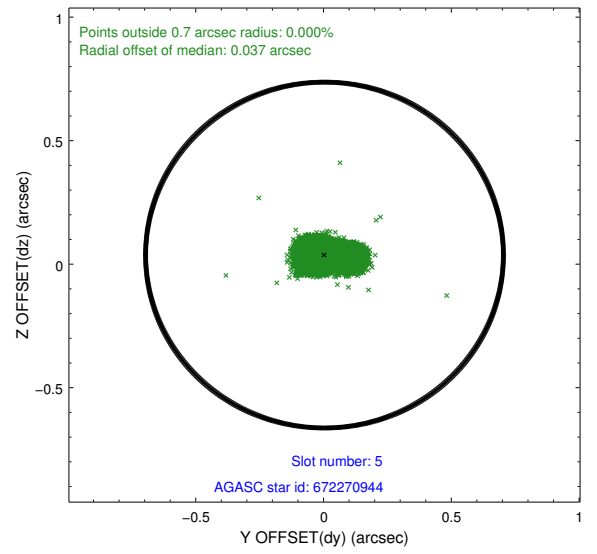
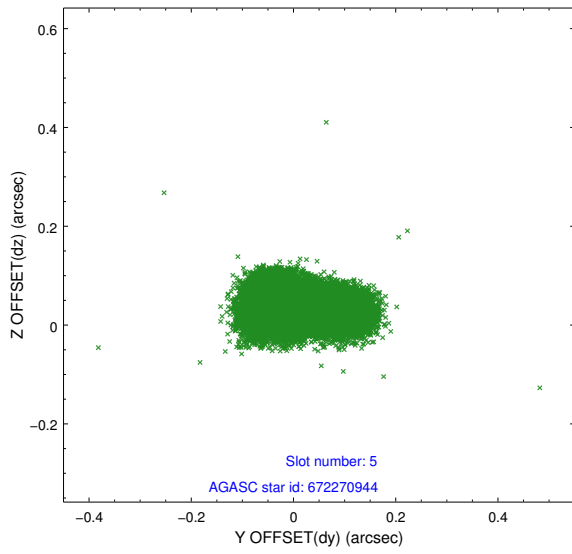
2.4.1 Slot 3



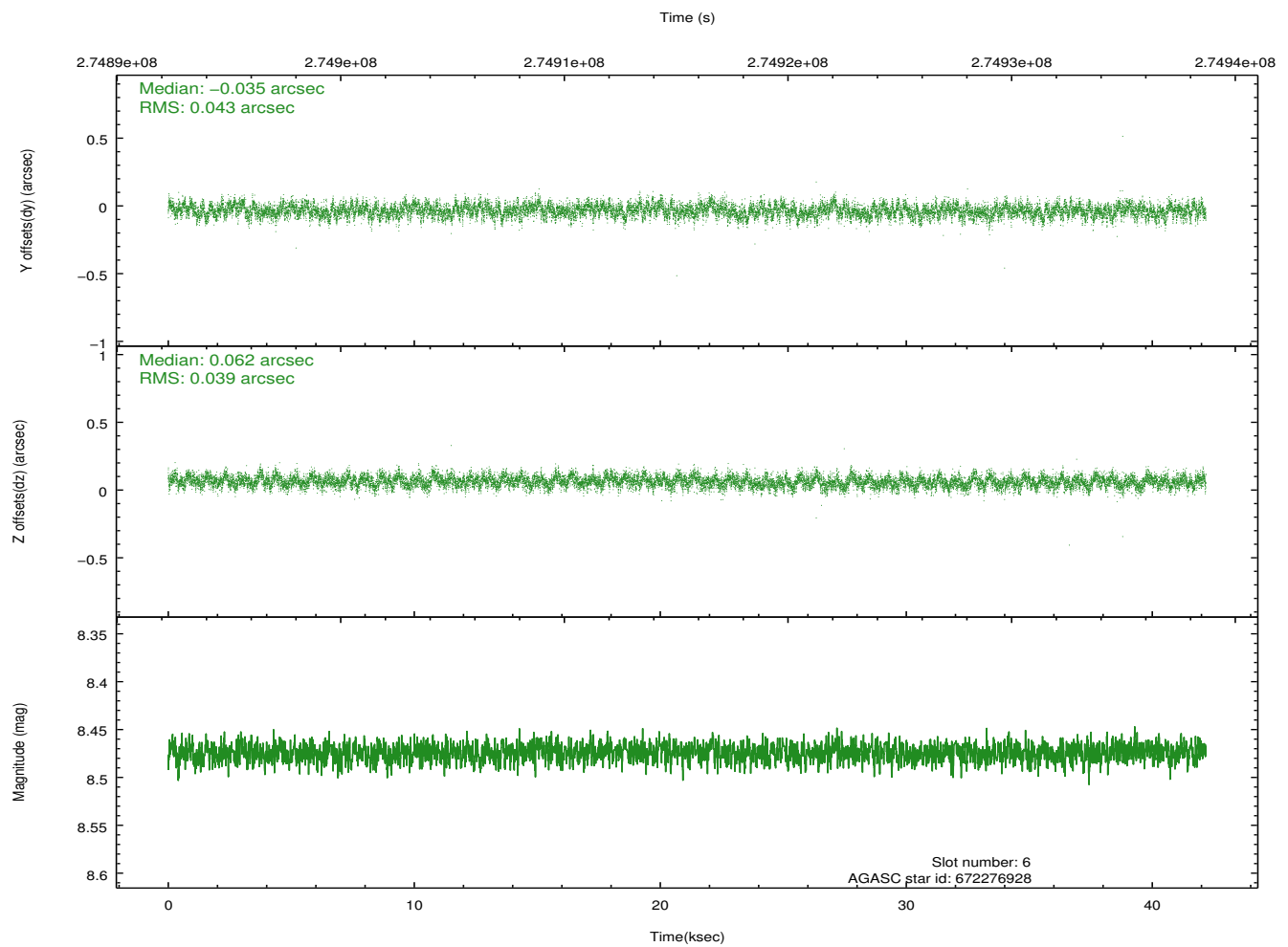
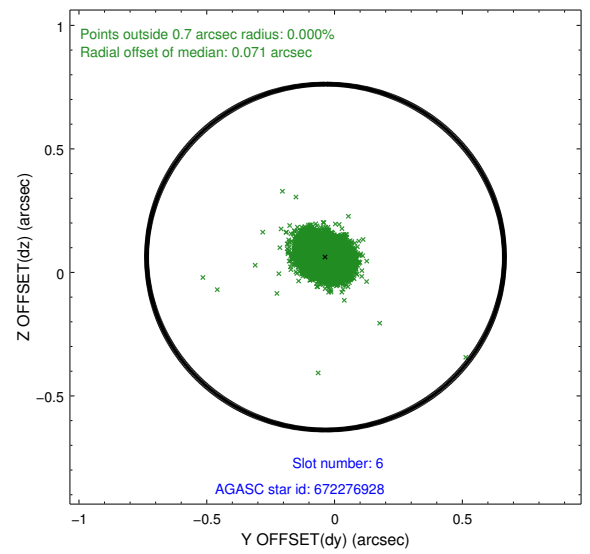
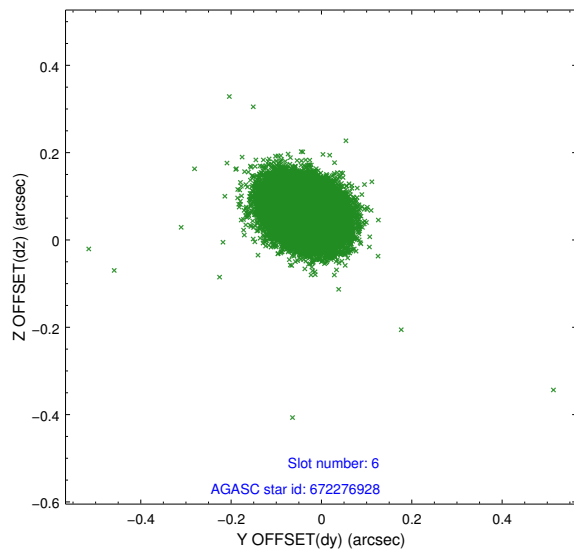
2.4.2 Slot 4



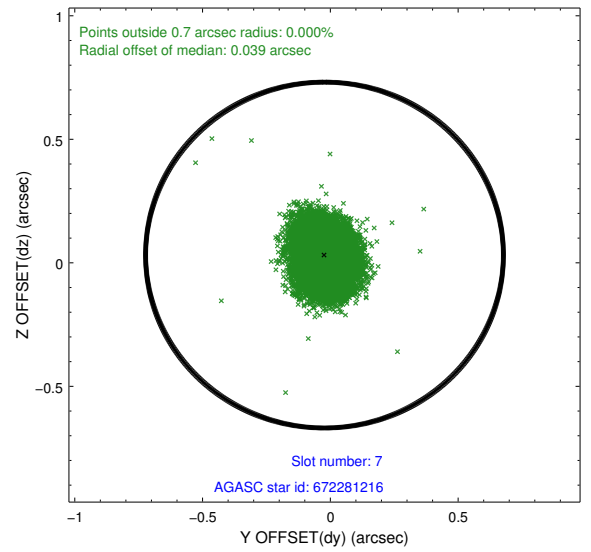
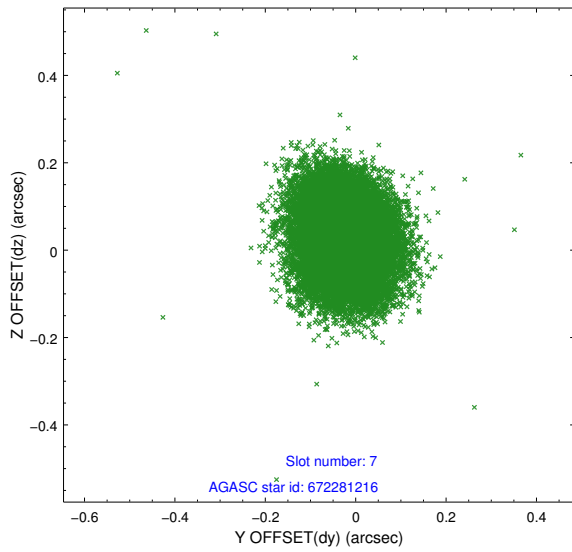
2.4.3 Slot 5



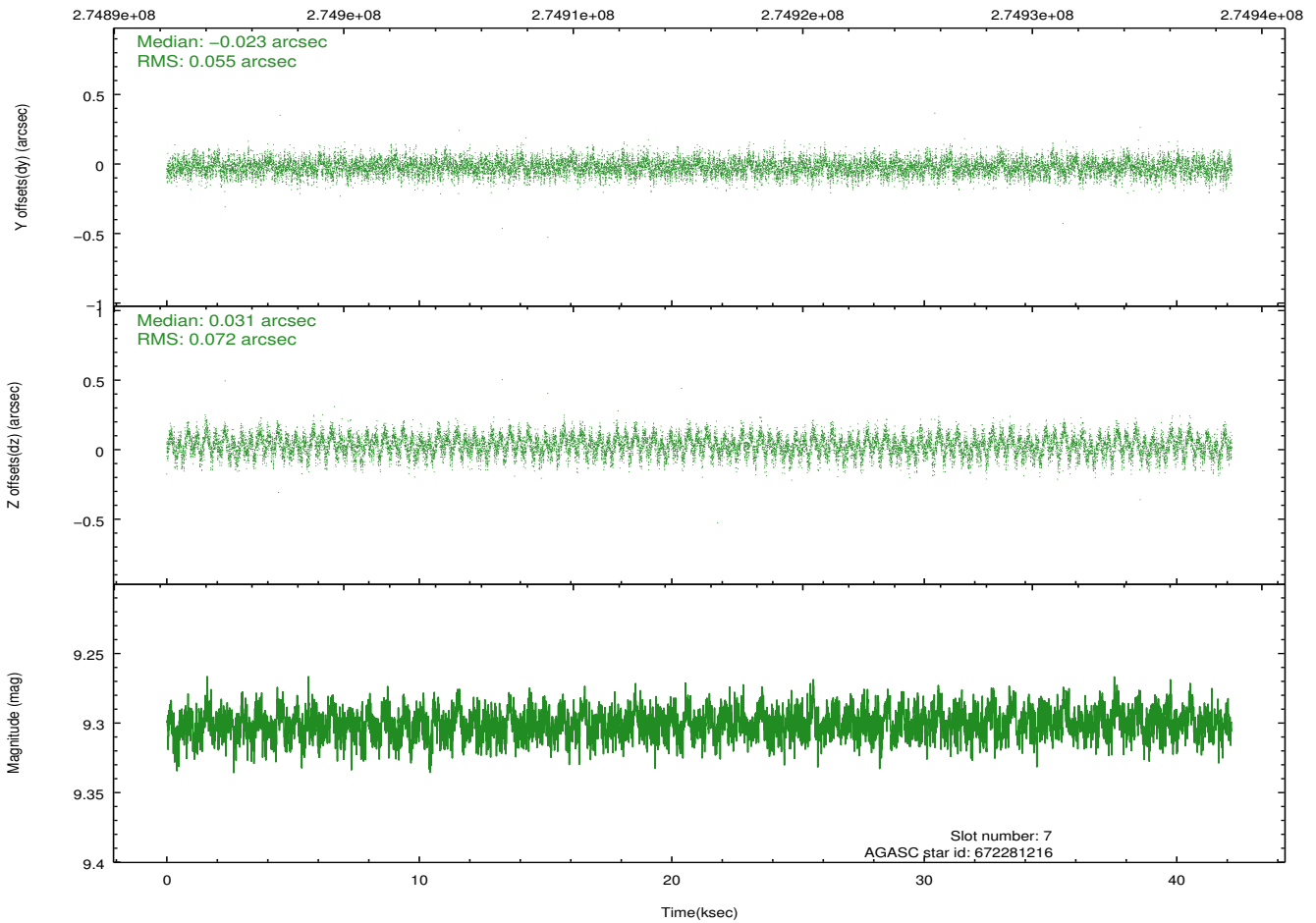
2.4.4 Slot 6



2.4.5 Slot 7

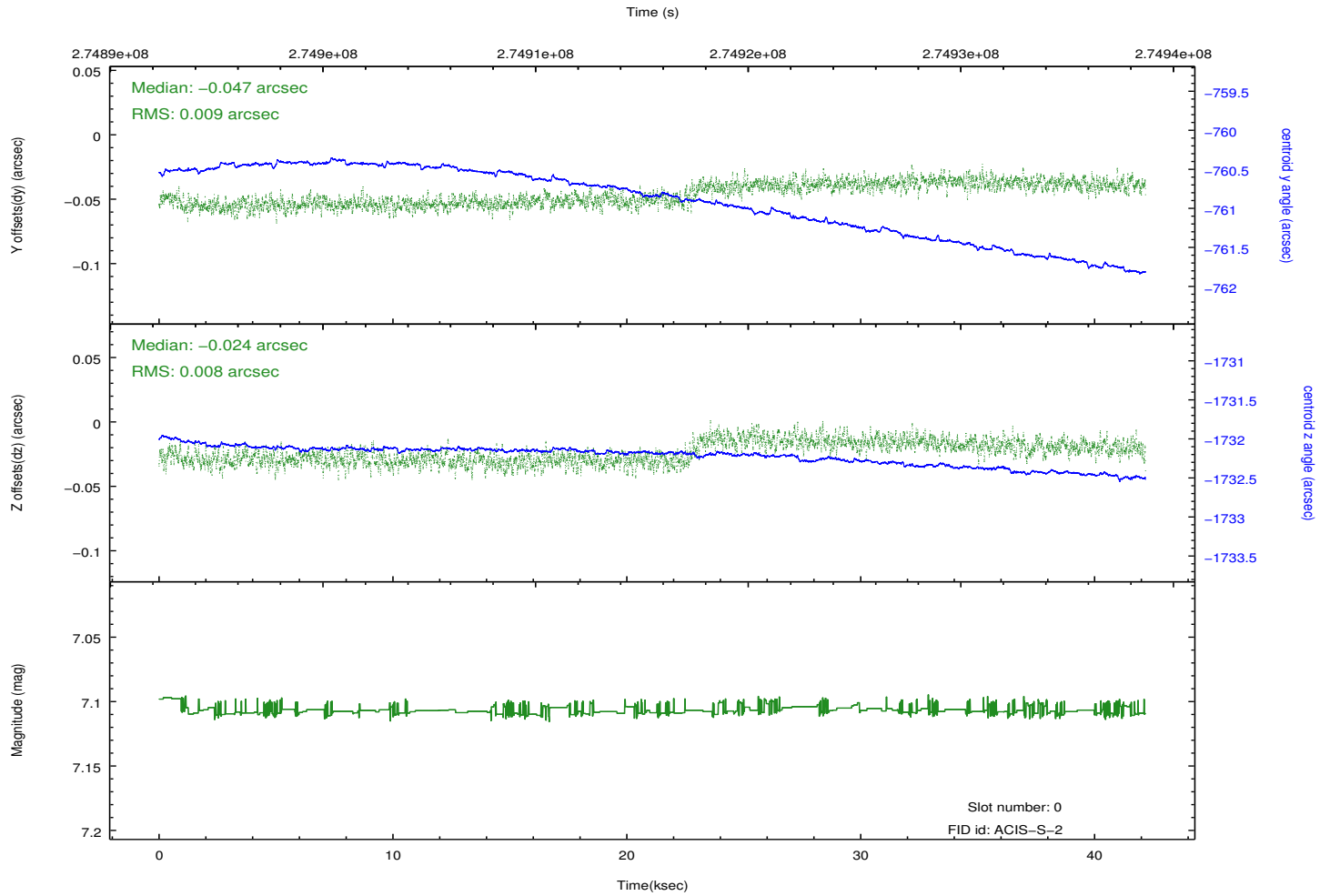
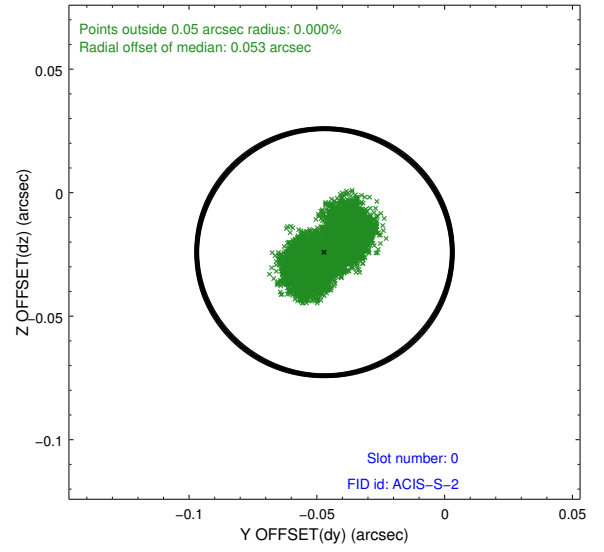
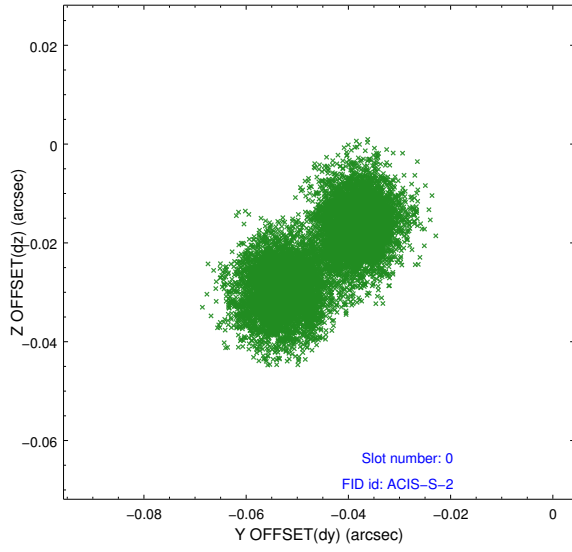


Time (s)

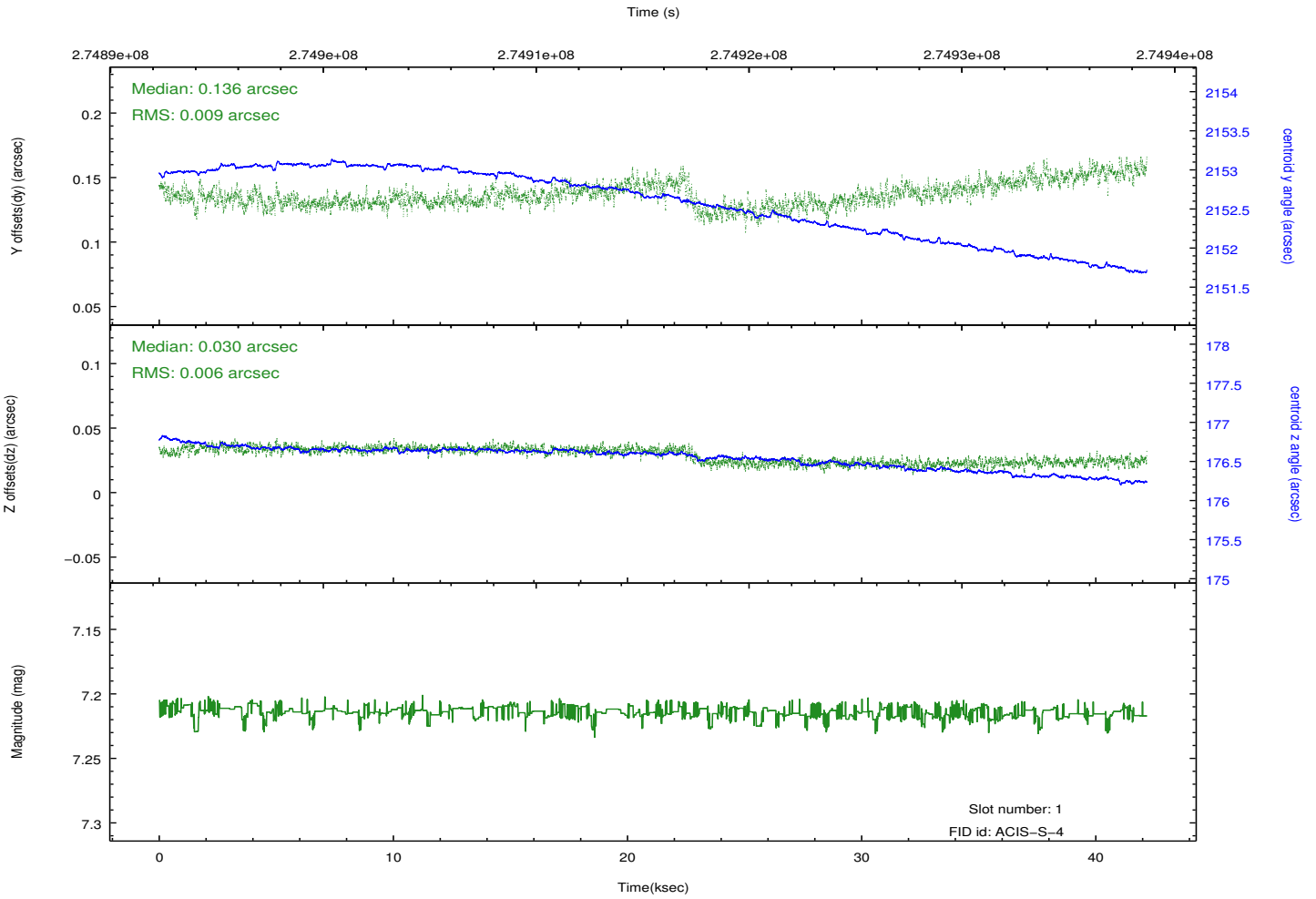
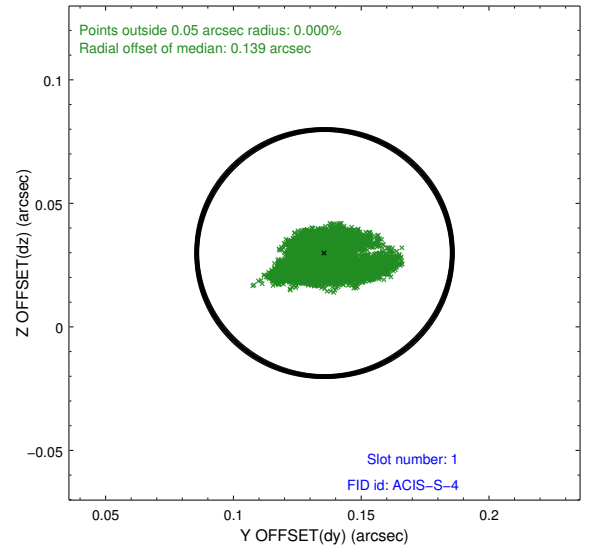
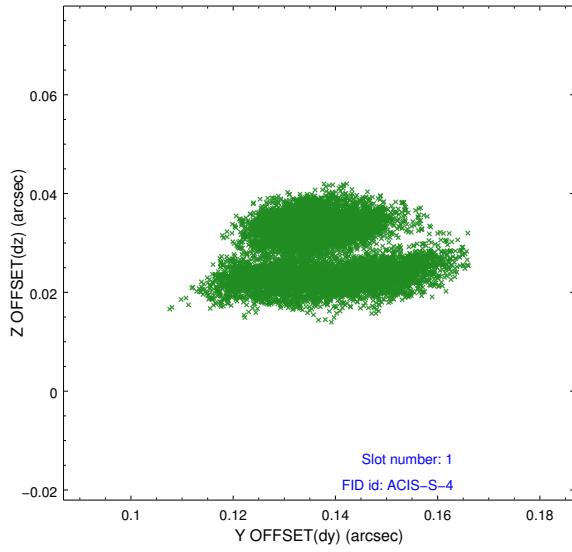


2.5 FID Slots

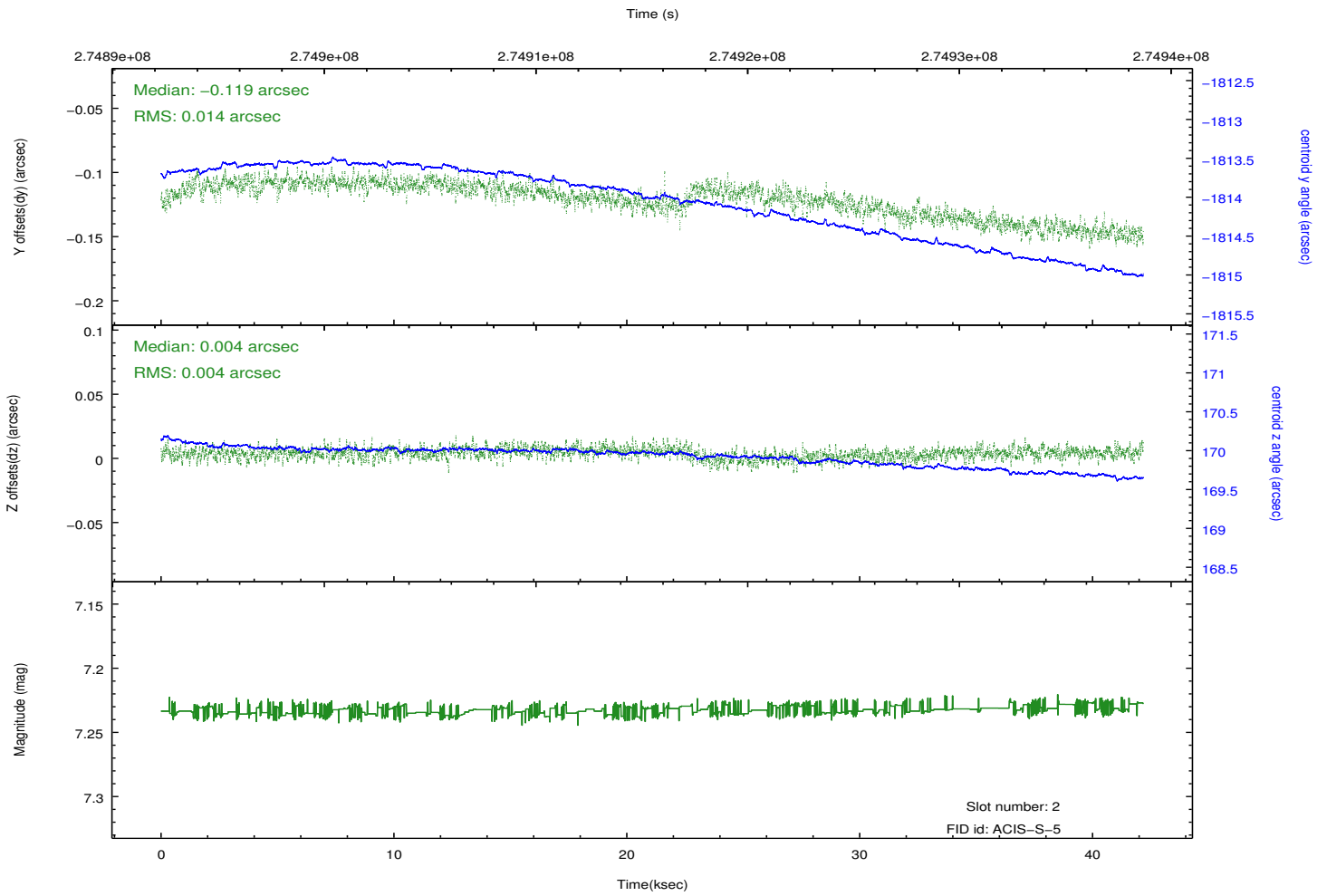
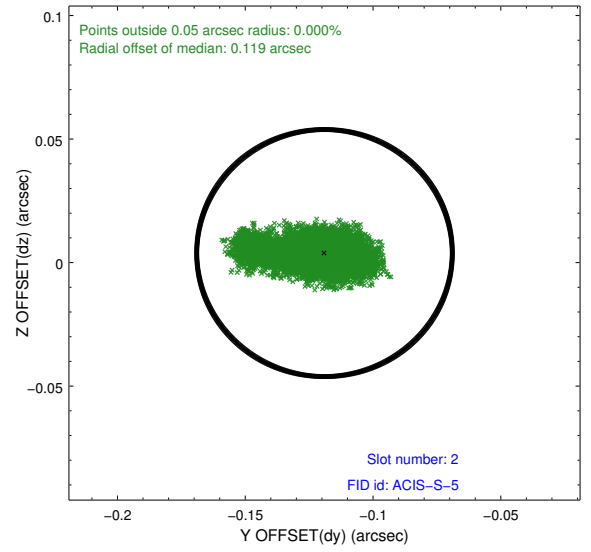
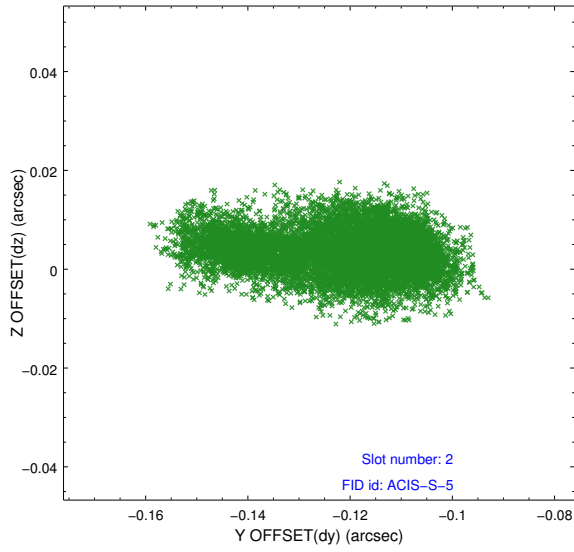
2.5.1 Slot 0



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)	2012.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	42.18

A.2 Comments