

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13749 - L2 Version 1
Chandra X-Ray Center

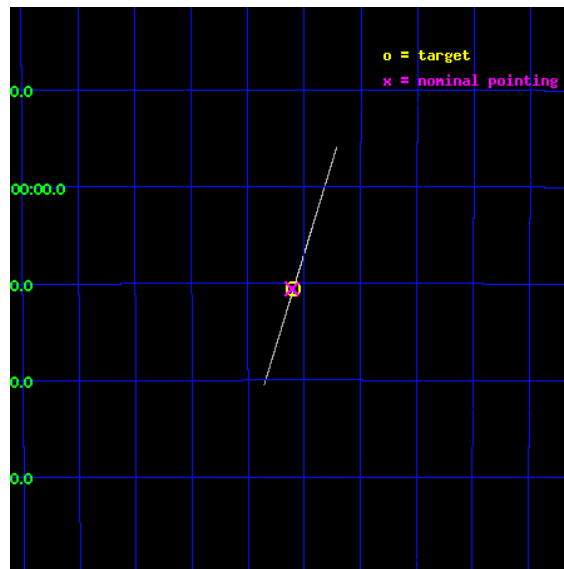
L2 Processing Date : Jul 17 2012

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1 Front

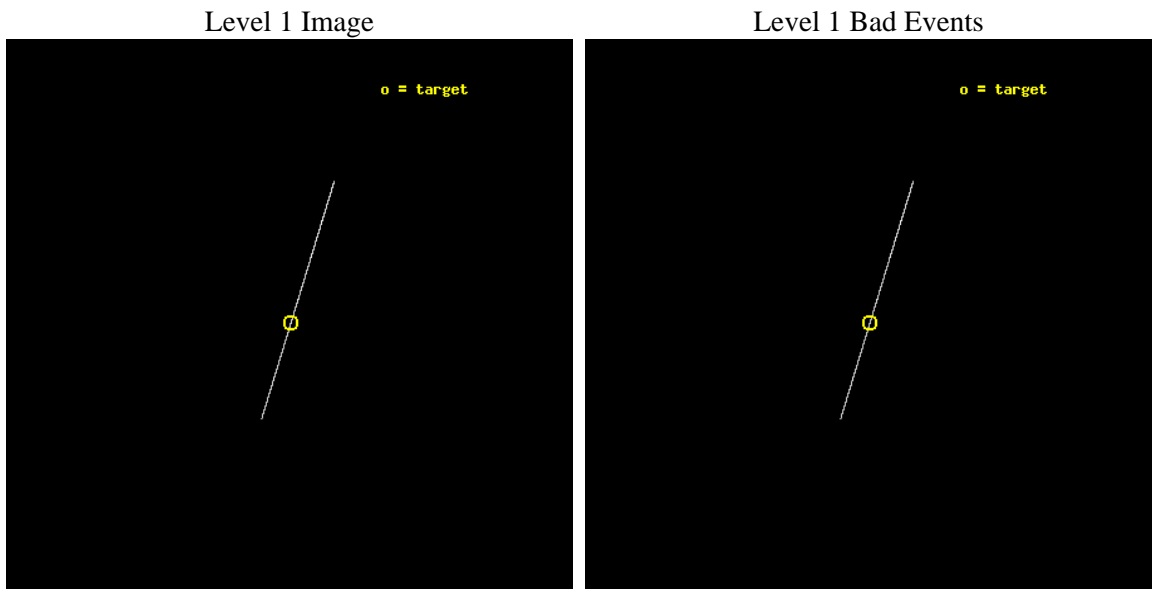
seq_num	501582	Sequence number
obs_id	13749	Observation id
title	The Energetic New Magnetar in HESS J1713-381/CTB 37B	Proposal titl
observer	Prof. Jules Halpern	Principal investigator
object	CXOU J171405.7-381031	Source name
ra_targ	258.52375	Observer's specified target RA [deg]
dec_targ	-38.17525	Observer's specified target Dec [deg]
ra_nom	258.5274743371	Nominal RA [deg]
dec_nom	-38.176032227293	Nominal Dec [deg]
roll_nom	287.13155100731	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20130.25	Sum of GTIs [s]
livetime	20051.616210938	Livetime [s]
ontime6	20130.25	Sum of GTIs [s]
ontime7	20130.25	Sum of GTIs [s]
ontime8	20130.25	Sum of GTIs [s]
l2events	100409	Number of level 2 events



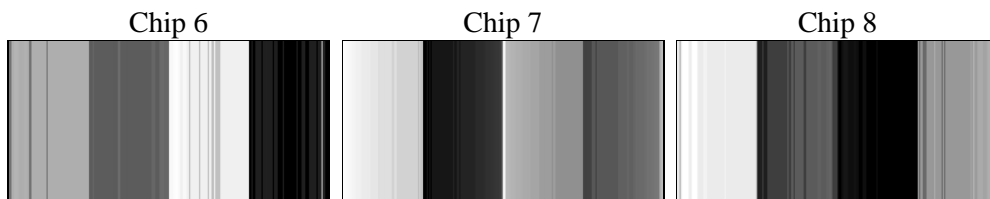
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20130.25	Sum of GTIs [s]
caldsver	4.5.0	 	ontime6	20130.25	Sum of GTIs [s]
date	2012-07-17T04:10:36	Date and time of file creation	ontime7	20130.25	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	20130.25	Sum of GTIs [s]
			l1events	702427	Number of level 1 events

2.1.4 Events

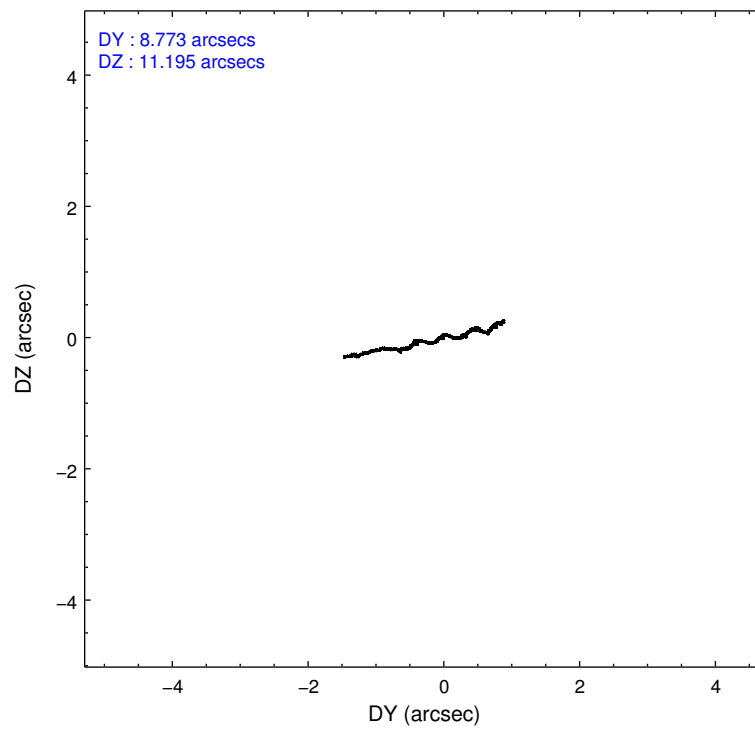
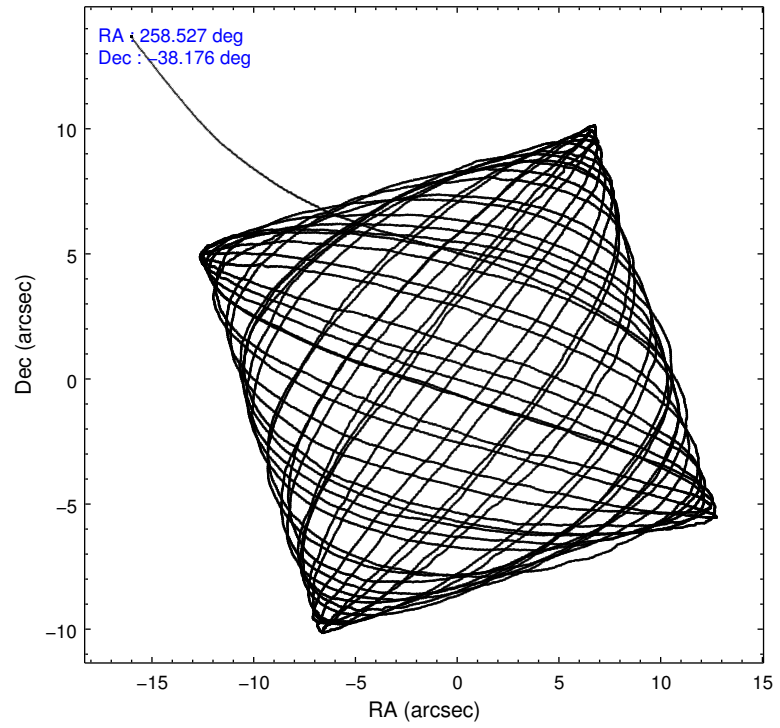
	ccd 6	ccd 7	ccd 8
level 1 events	175243	199856	327328
rejected events	154743	134343	257881
rejected %	88%	67%	78%

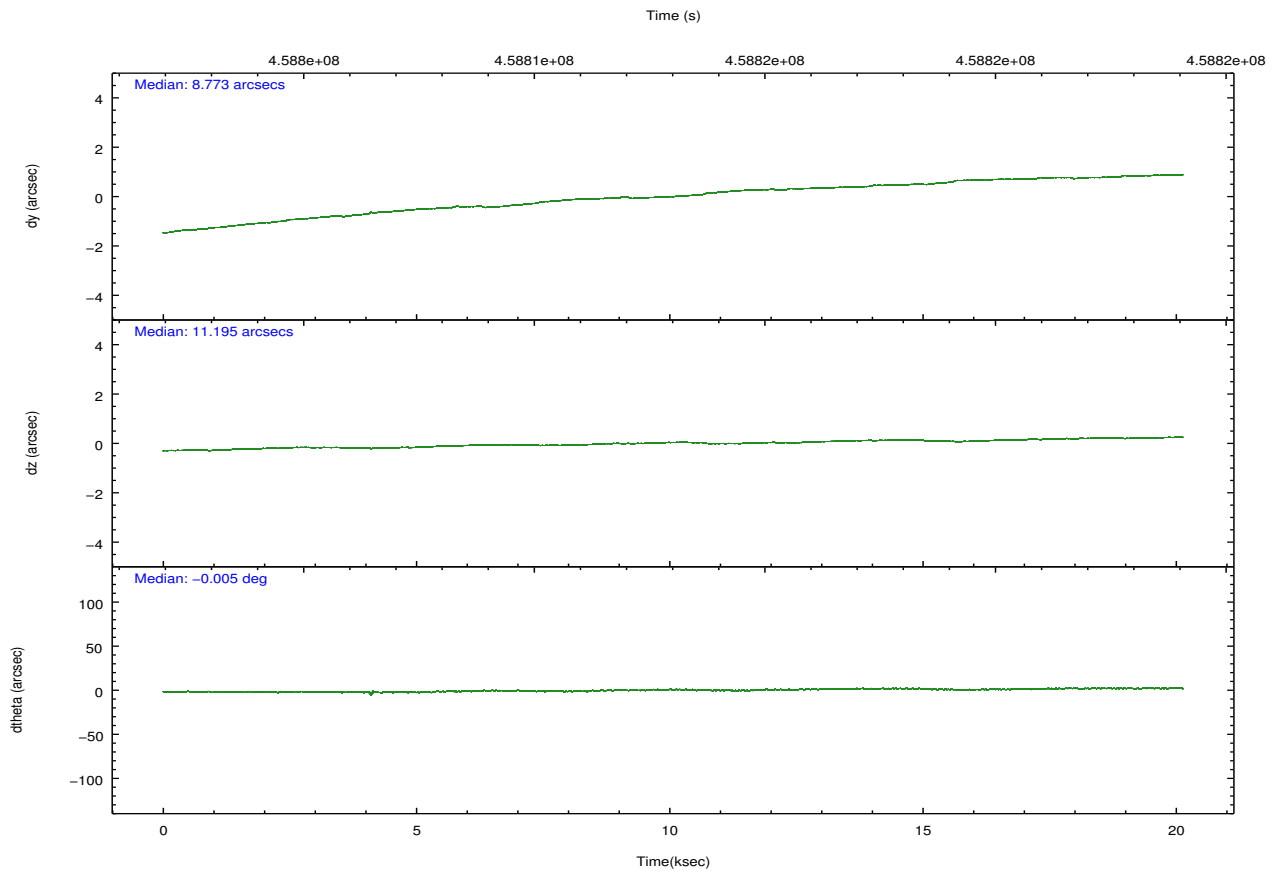
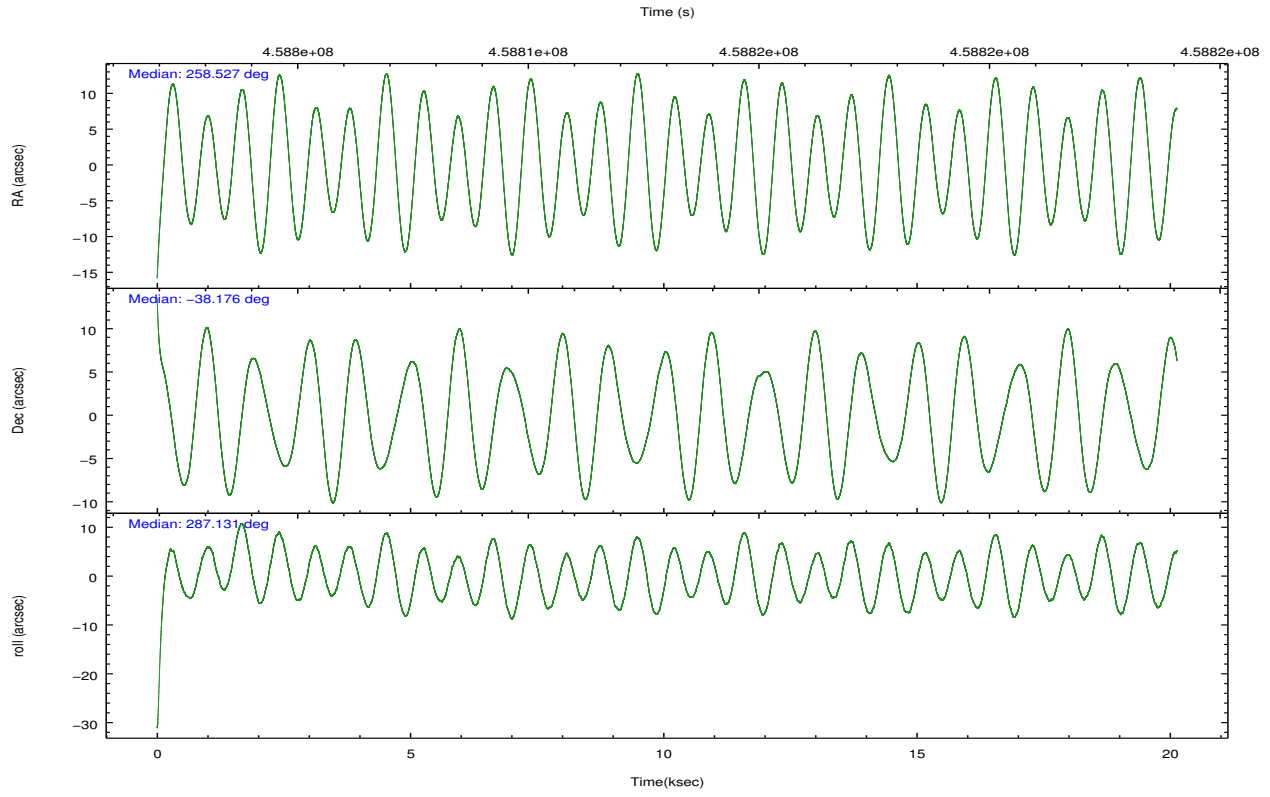
	ccd 6	ccd 7	ccd 8
grade 0 events	2409	4991	19816
	1%	2%	6%
grade 1 events	86	172	252
	0%	0%	0%
grade 2 events	8624	17898	15822
	4%	8%	4%
grade 3 events	2311	3544	9857
	1%	1%	3%
grade 4 events	2177	3394	9231
	1%	1%	2%
grade 5 events	5317	12911	7727
	3%	6%	2%
grade 6 events	5005	35798	14836
	2%	17%	4%
grade 7 events	149314	121148	249787
	85%	60%	76%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	258.501658	258.5274743371045	Subarray requested	NONE	NONE
[deg] Pointing Dec	-38.157726	-38.17603222729281	Alternating exposures requested	N	N
[deg] Pointing Roll	286.958982	287.1315510073121	[s] Primary exposure time	0.000000	0
[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)	458803076.184000	458802007.33395			
Observation start date	2012-07-16T05:16:49	2012-07-16T05:00:07			
[s] Observation end time (MET)	458823076.184000	458823936.18512			
Observation end date	2012-07-16T10:50:09	2012-07-16T11:05:36			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



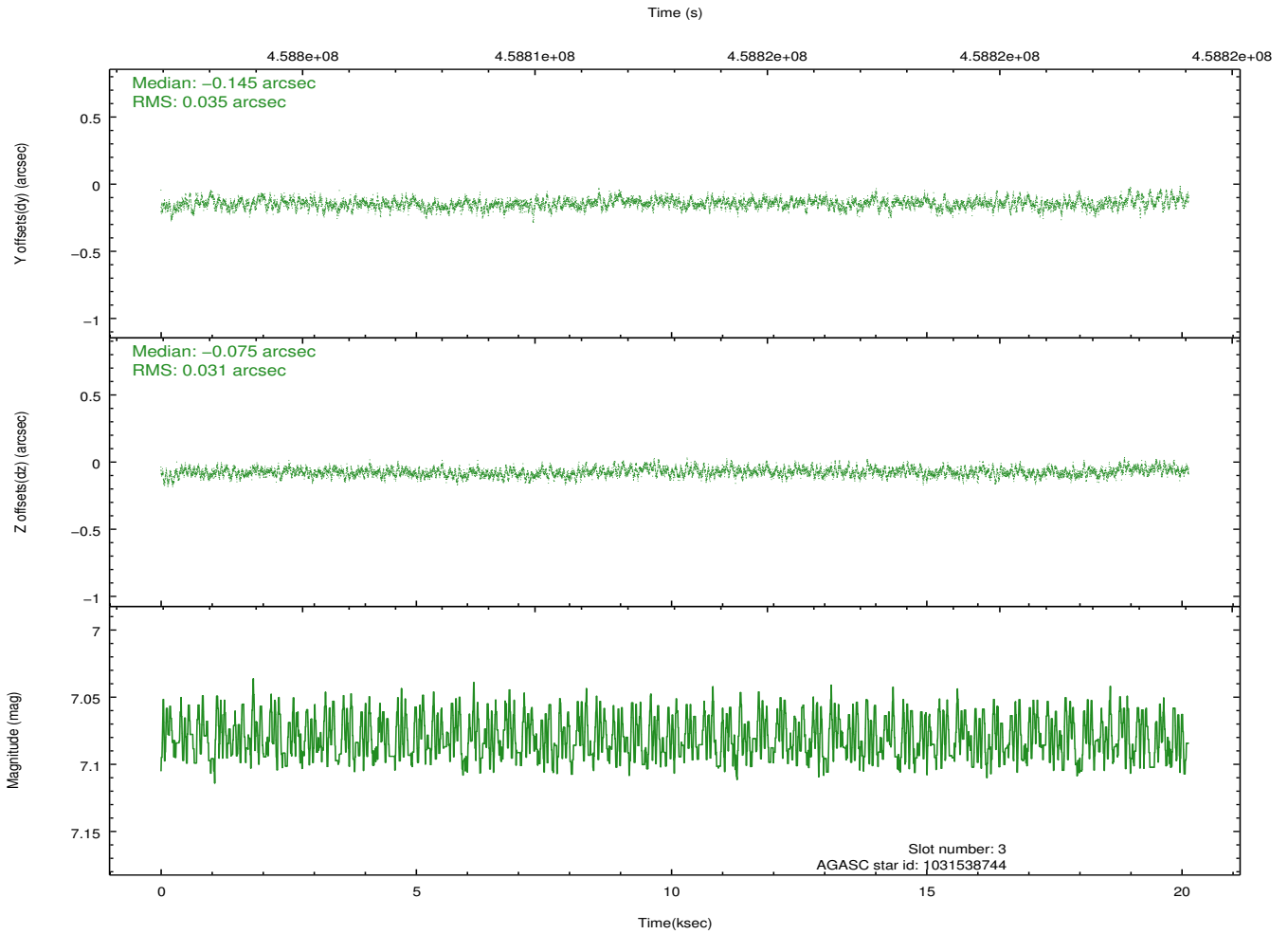
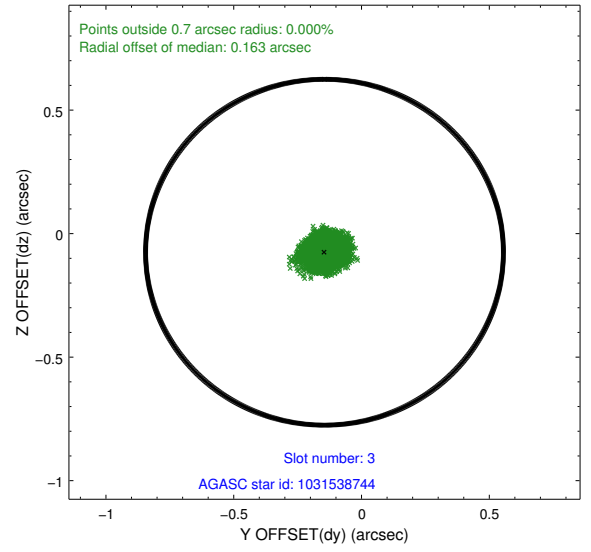
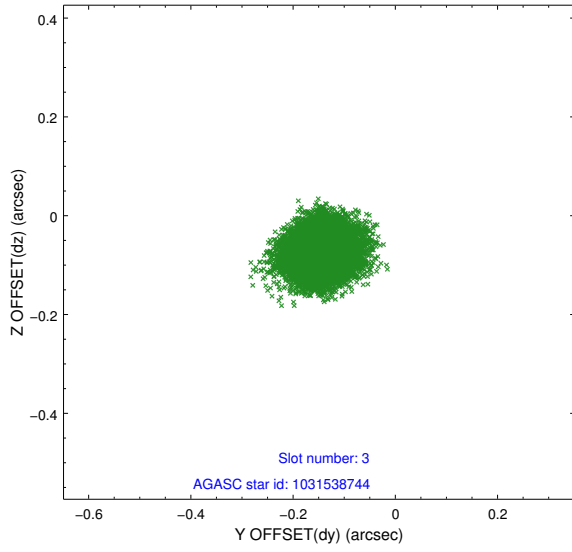


Slot Statistics

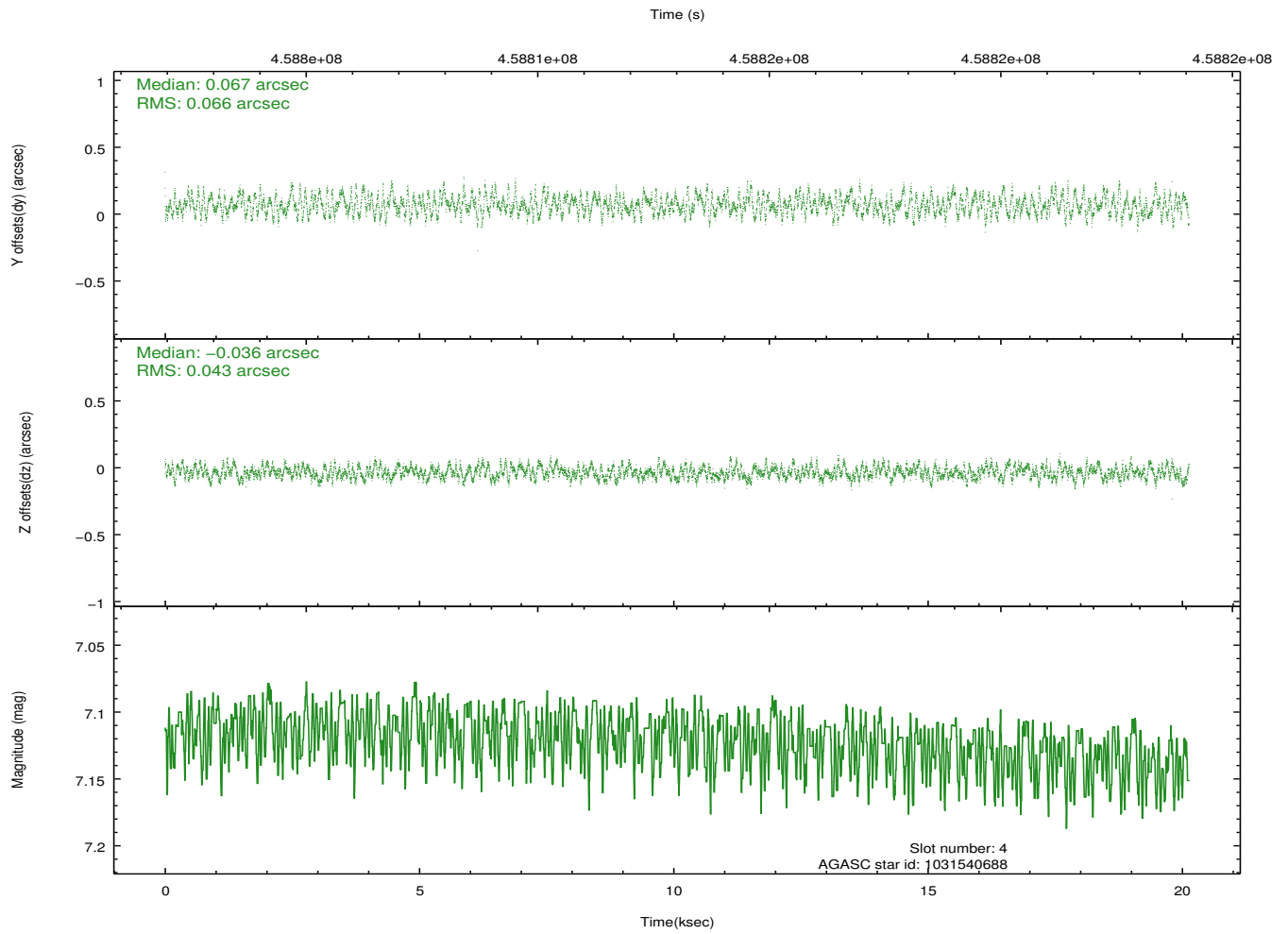
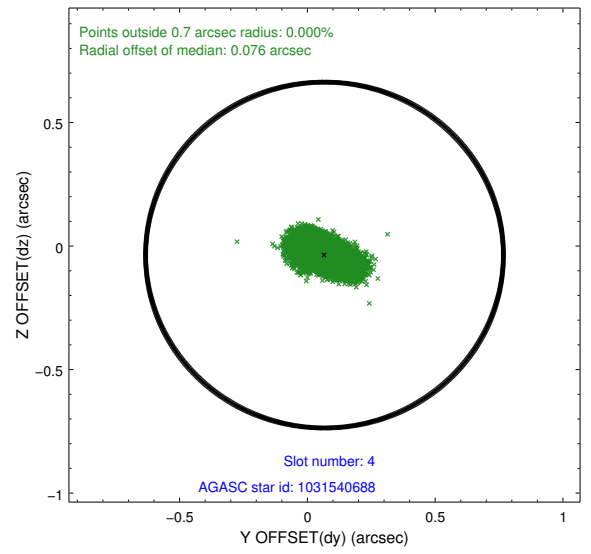
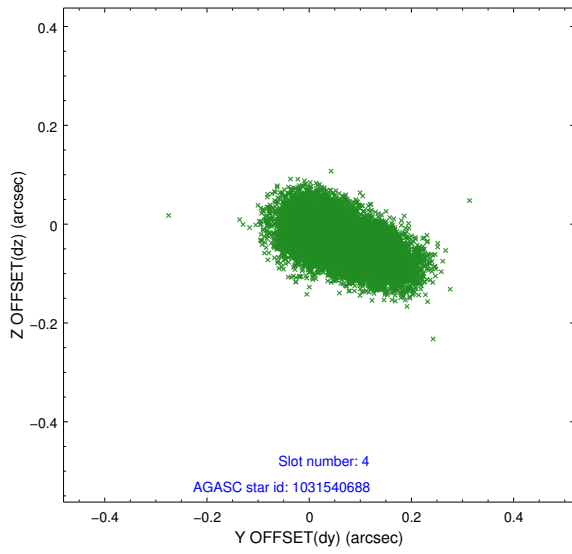
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	4911	-0.055	-0.015	0.011	0.017	0.000000	0.000000	-761.57	-1732.49
1	FID	ACIS-S-4	7.02	4911	0.197	0.031	0.019	0.039	0.000000	0.000000	2151.86	175.88
2	FID	ACIS-S-5	7.04	4911	-0.174	-0.007	0.013	0.042	0.000000	0.000000	-1814.30	169.68
3	GUIDE	1031538744	7.08	9822	-0.145	-0.075	0.050	0.081	257.905000	-37.853256	-1537.58	-1304.42
4	GUIDE	1031540688	7.12	9821	0.067	-0.036	0.085	0.137	258.843021	-38.212972	473.82	864.84
5	GUIDE	1031541216	6.76	9823	-0.036	0.056	0.069	0.126	258.289266	-37.952377	-881.95	-361.19
6	GUIDE	1031549032	7.98	9822	0.168	0.144	0.064	0.102	258.584727	-38.516573	1304.45	-152.96
7	GUIDE	1031541992	8.54	9818	-0.061	-0.090	0.079	0.125	259.348449	-38.357588	1396.35	2073.32

2.4 Star Slots

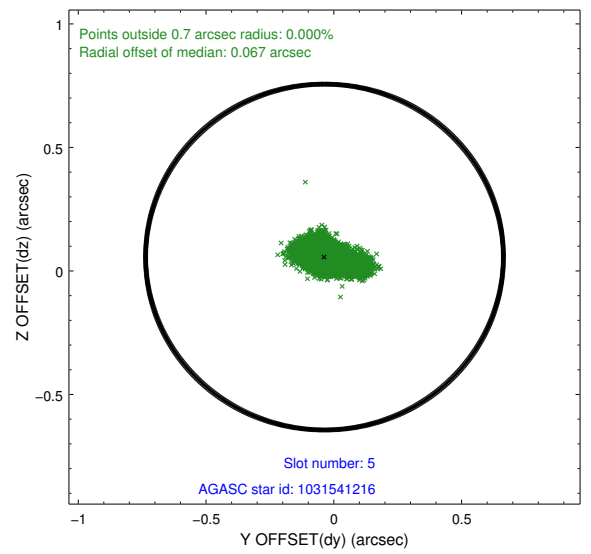
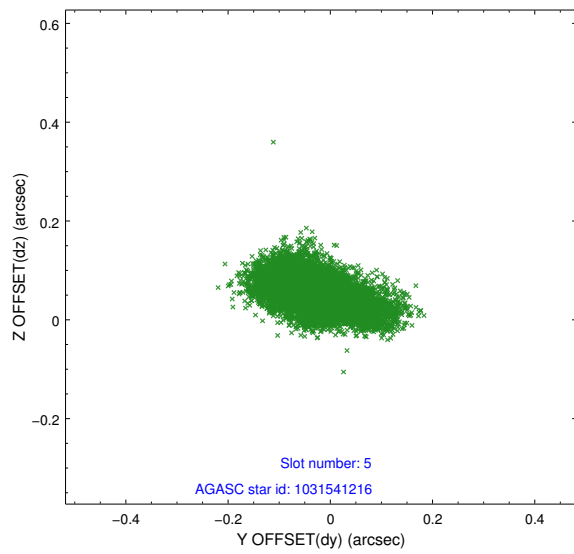
2.4.1 Slot 3



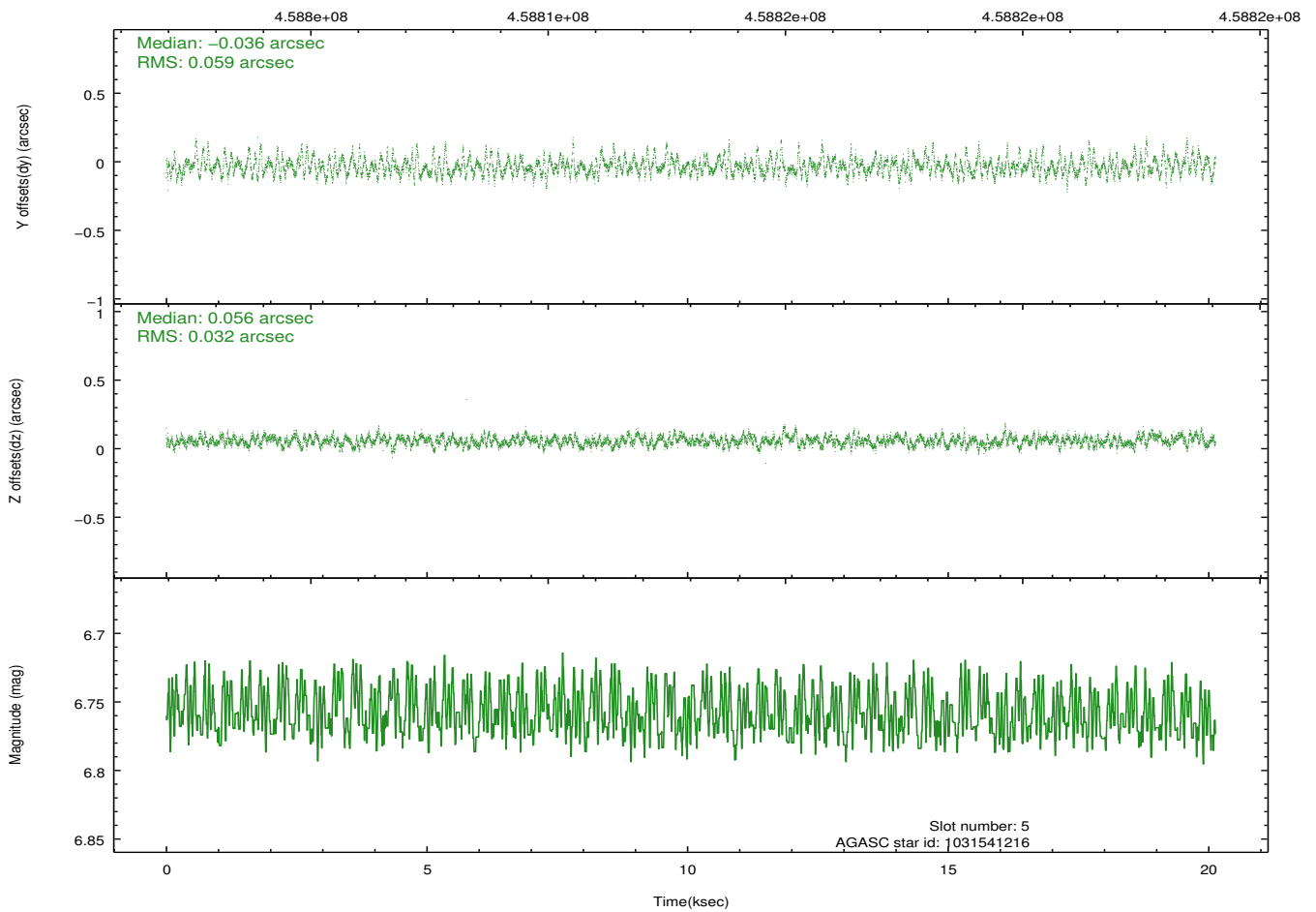
2.4.2 Slot 4



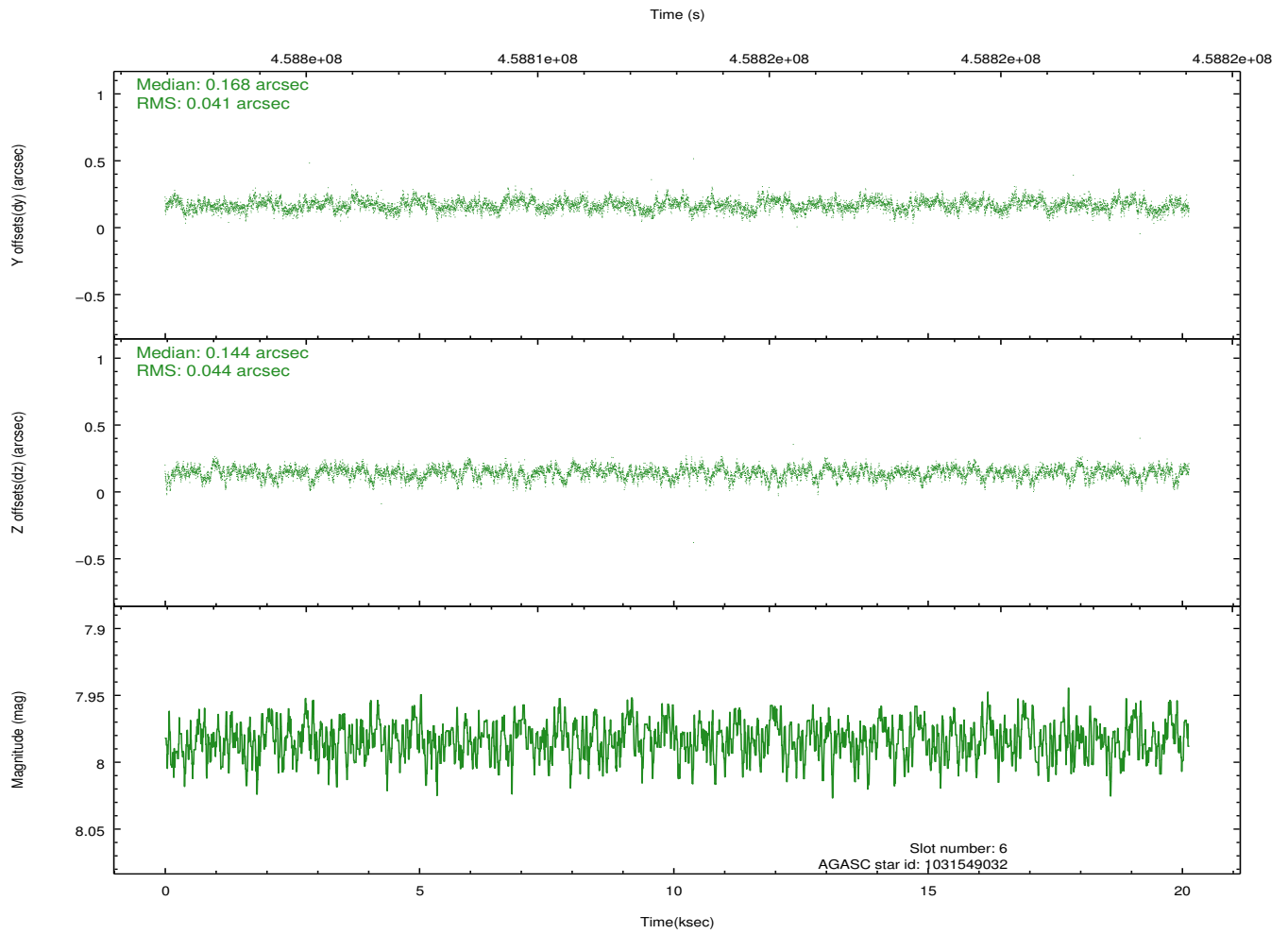
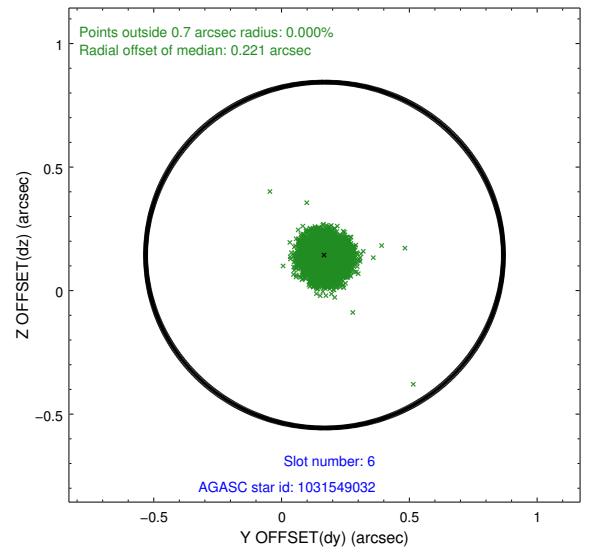
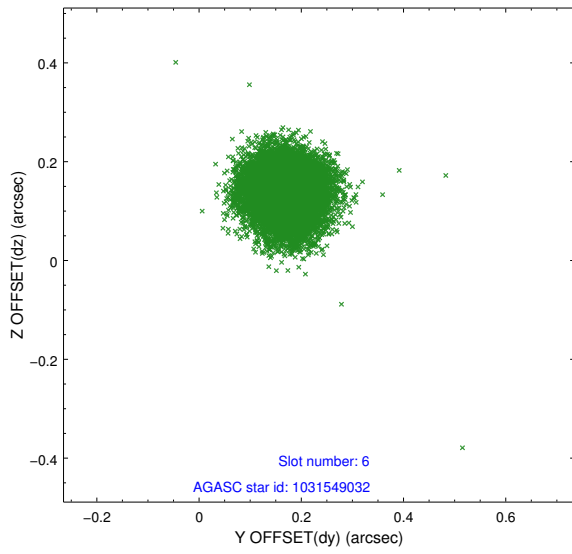
2.4.3 Slot 5



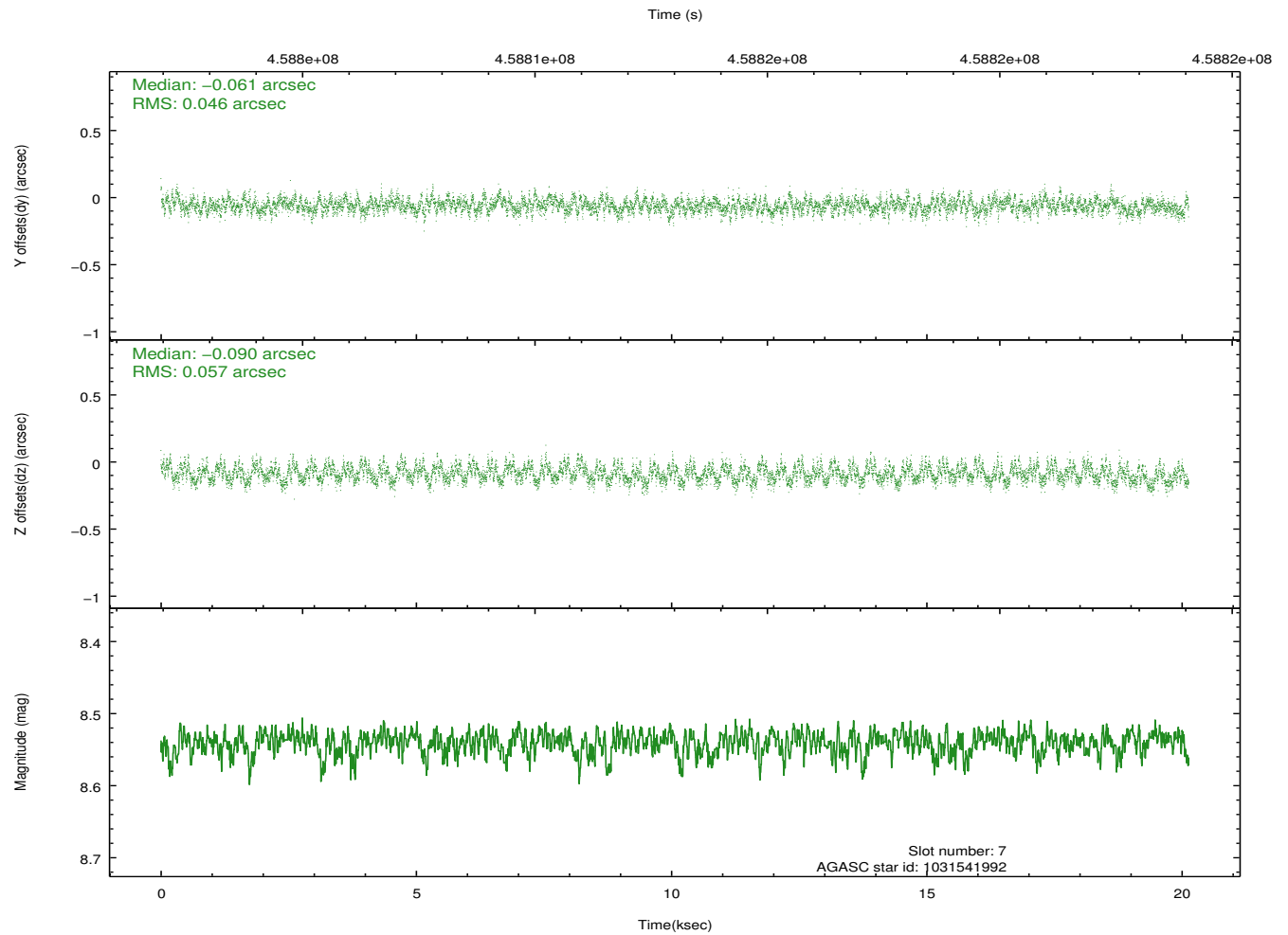
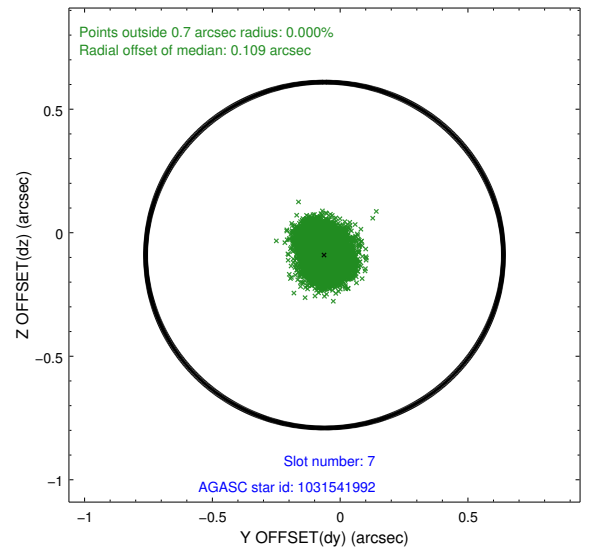
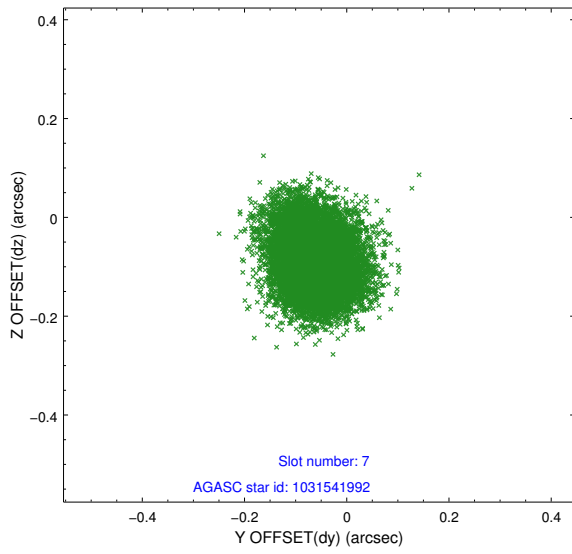
Time (s)



2.4.4 Slot 6

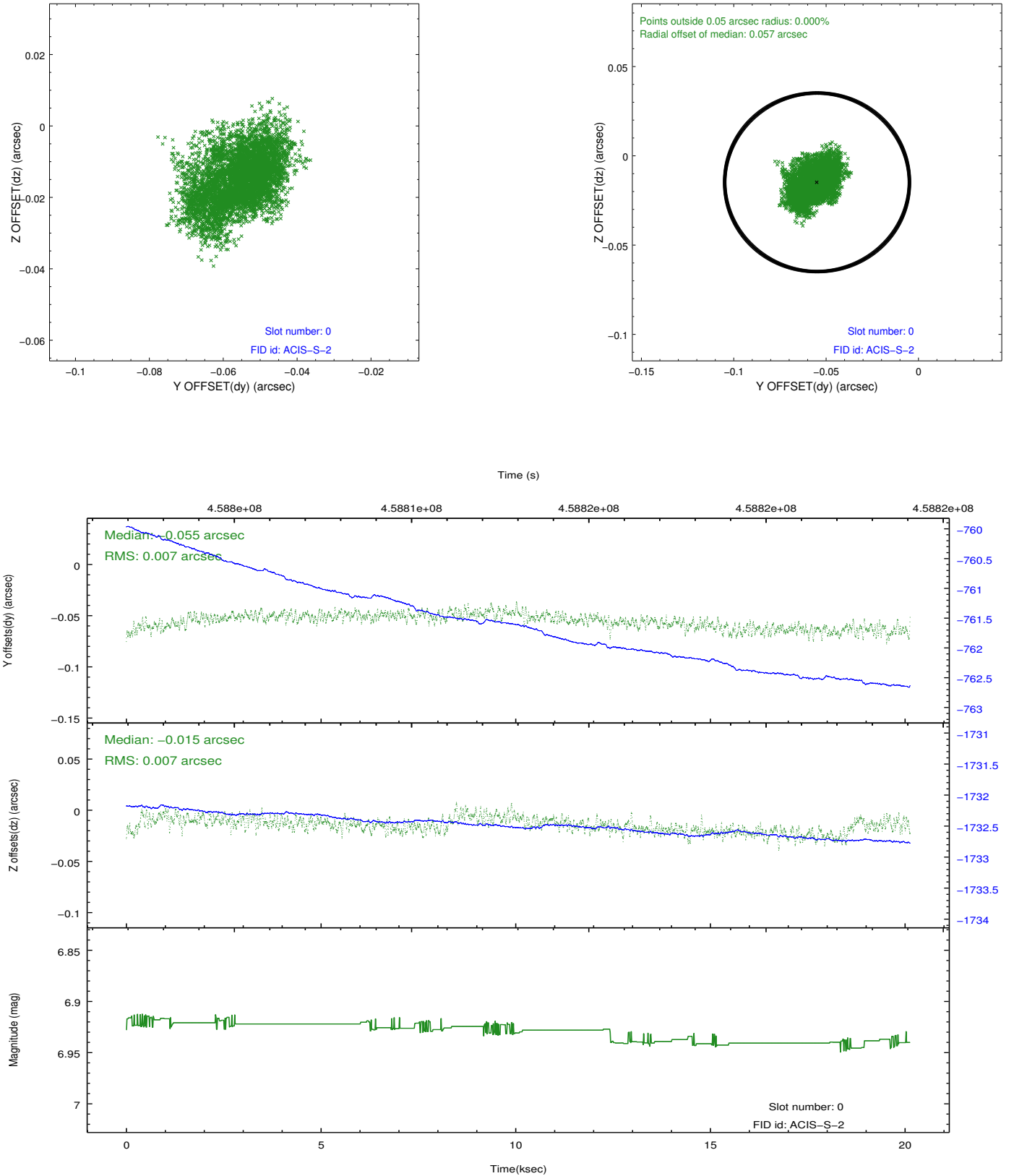


2.4.5 Slot 7

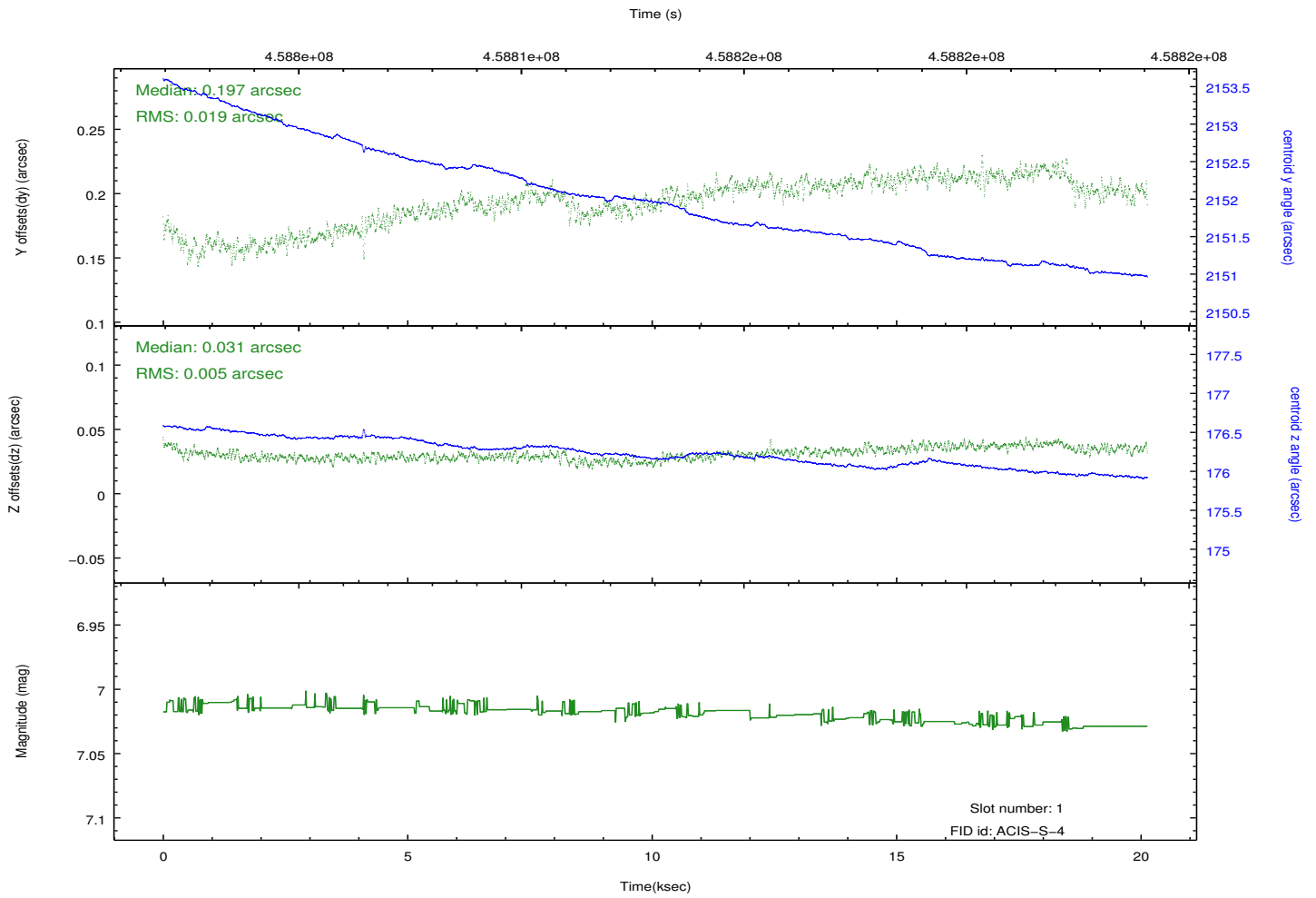
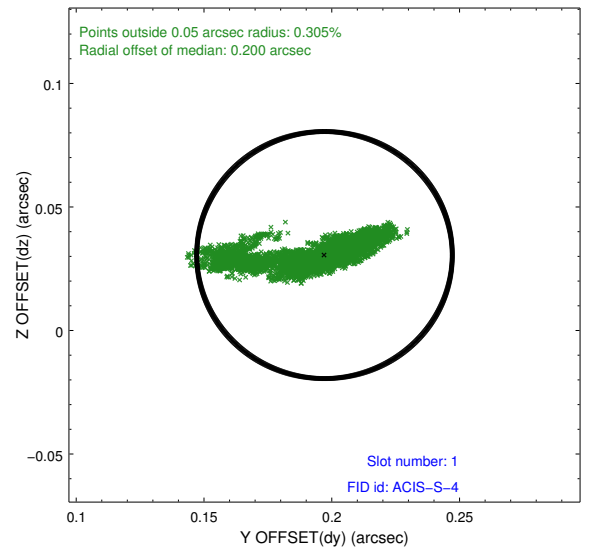
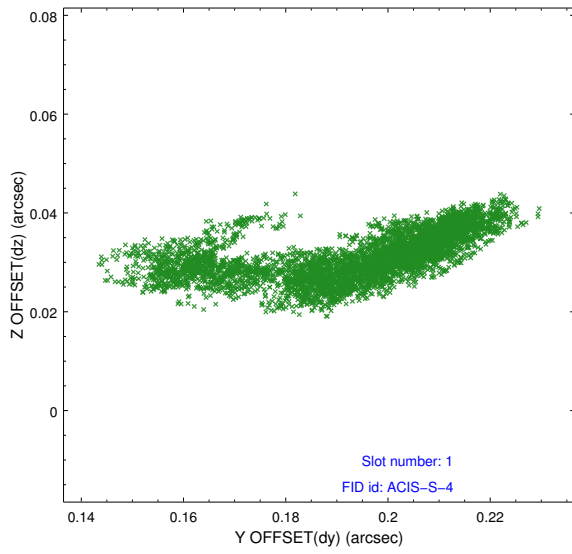


2.5 FID Slots

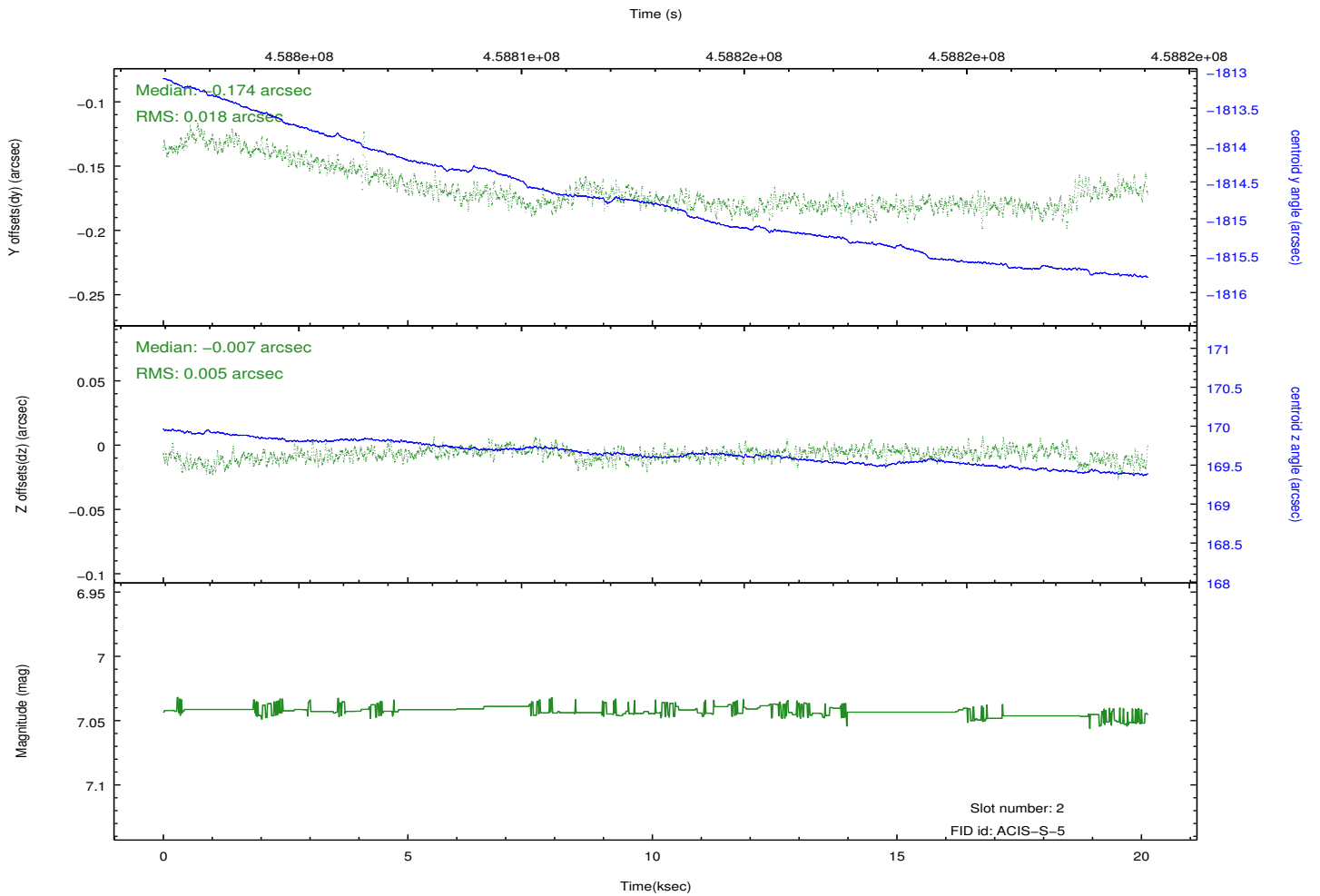
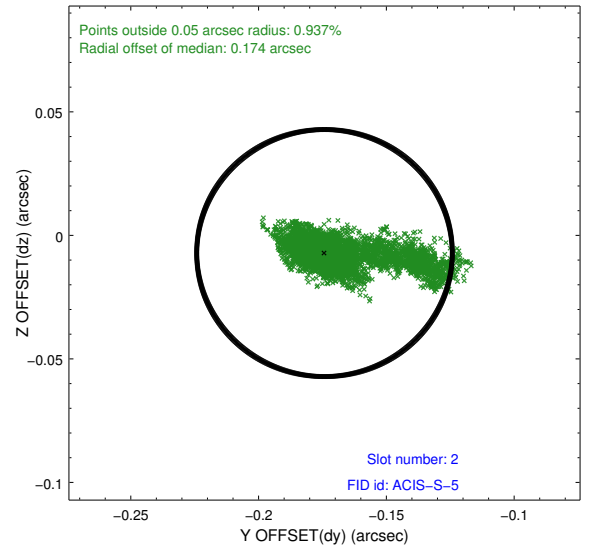
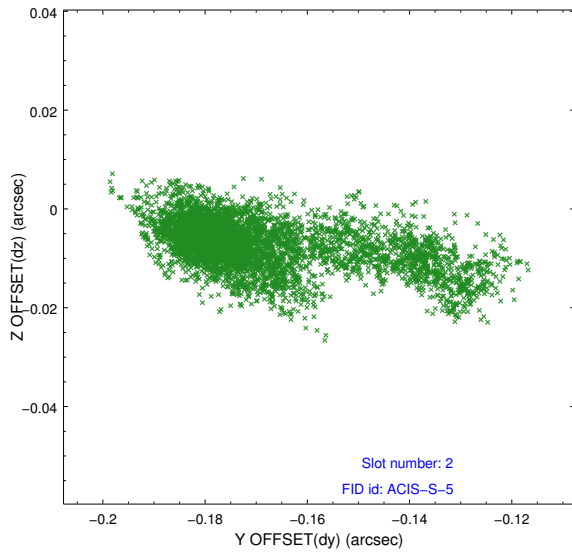
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.13025

A.2 Comments