

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5319 - L2 Version 3
Chandra X-Ray Center

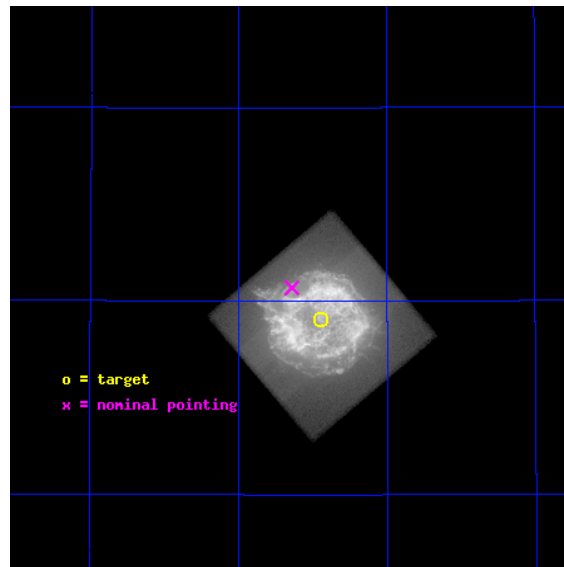
L2 Processing Date : Dec 1 2012

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1 Front

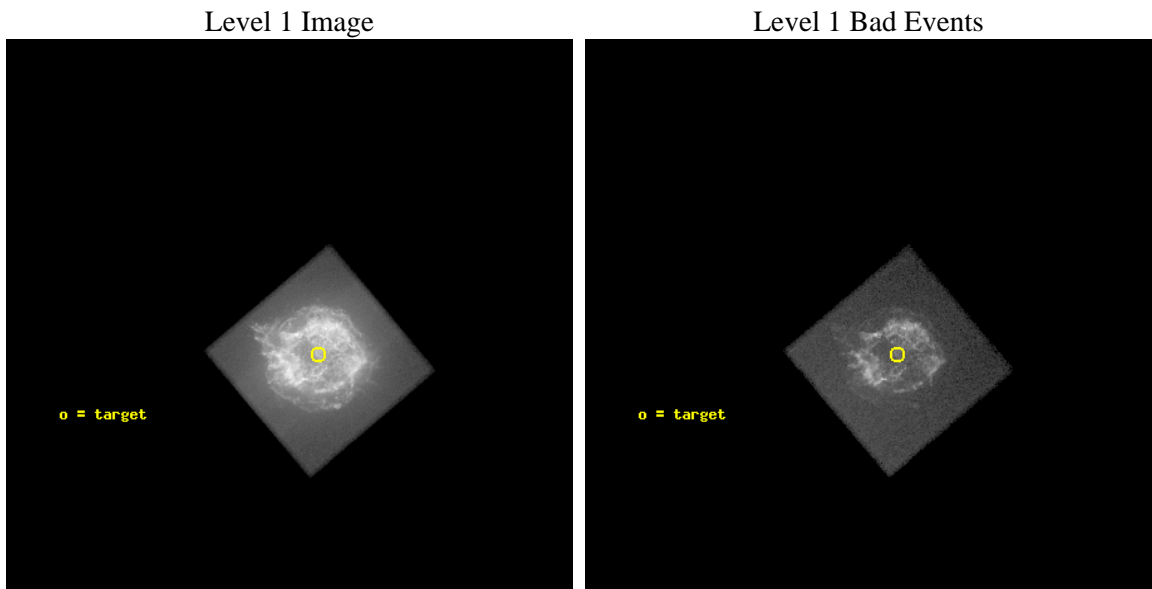
seq_num	500459	Sequence number
obs_id	5319	Observation id
title	The Cassiopeia A Explosion: Getting at the Core Issues	Proposal ti
observer	Dr Una Hwang	Principal investigator
object	Cassiopeia A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.86125	Observer's specified target RA [deg]
dec_targ	58.8175	Observer's specified target Dec [deg]
ra_nom	350.91048578714	Nominal RA [deg]
dec_nom	58.844887161679	Nominal Dec [deg]
roll_nom	49.767496277483	Nominal Roll [deg]
revision	3	Processing version of data
ontime	42837.0	Sum of GTIs [s]
livetime	42258.898271644	Livetime [s]
ontime7	42837.0	Sum of GTIs [s]
l2events	12709089	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	42388.863000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	42837.0	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	42837.0	Sum of GTIs [s]
date	2012-11-30T21:52:55	Date and time of file creation	l1events	13654993	Number of level 1 events
revision	3	Processing version of data			

2.1.3 Events

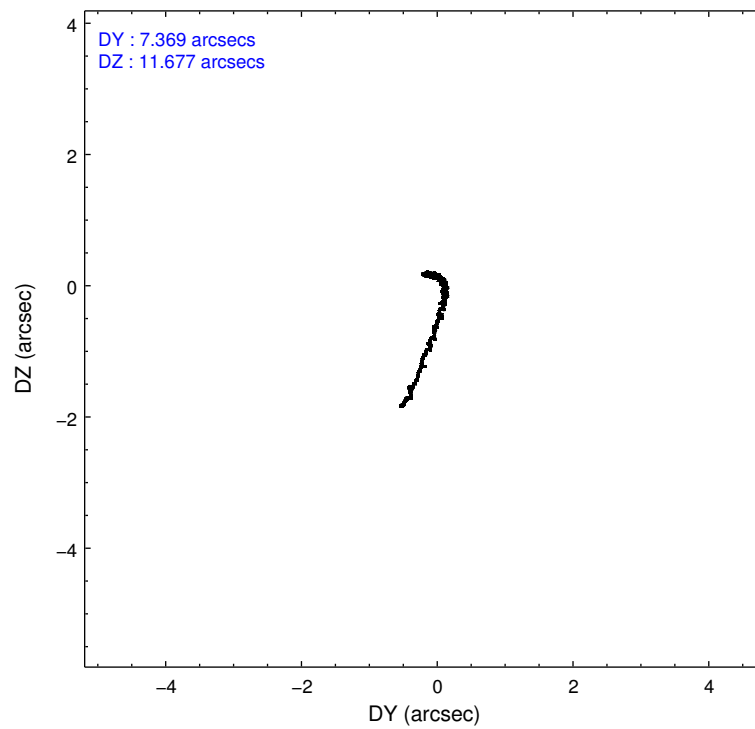
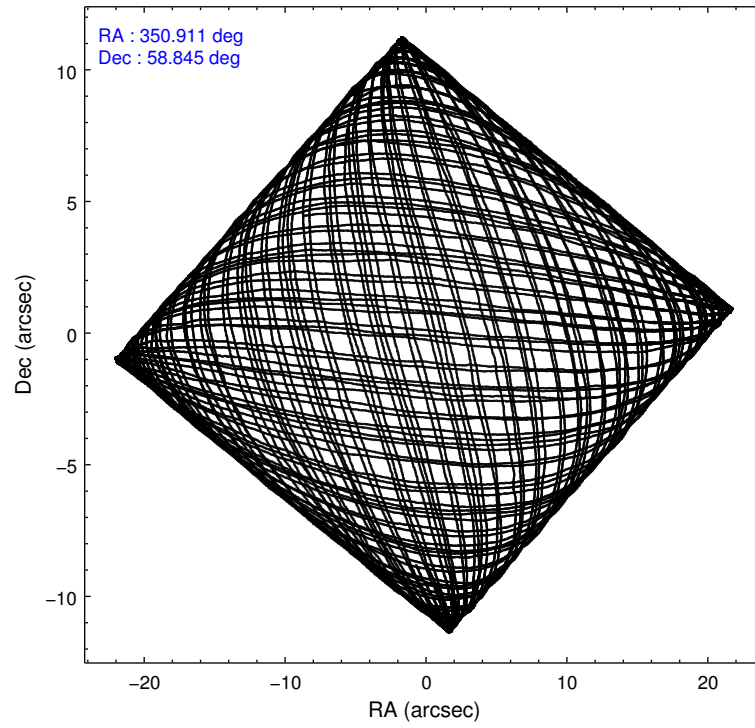
	ccd 7
level 1 events	13654993
rejected events	817733
rejected %	5%

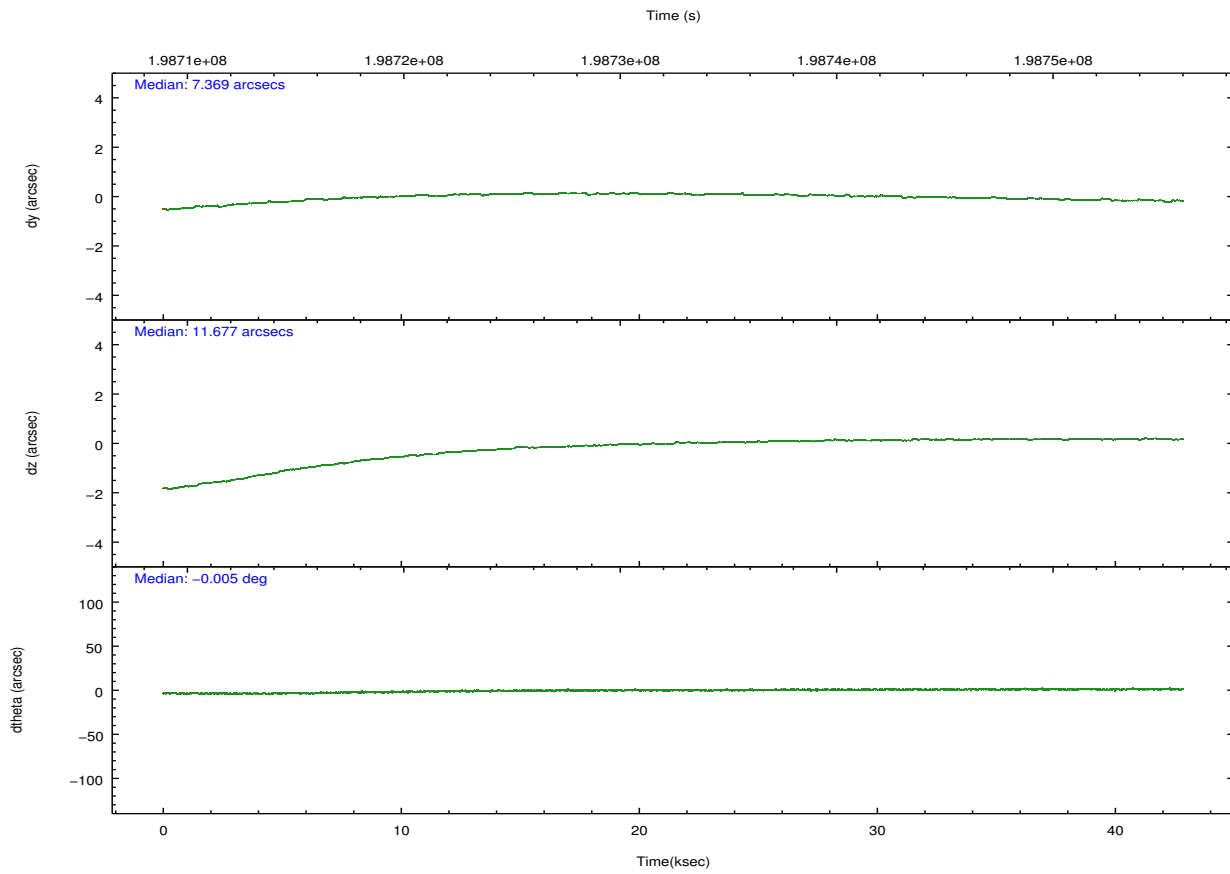
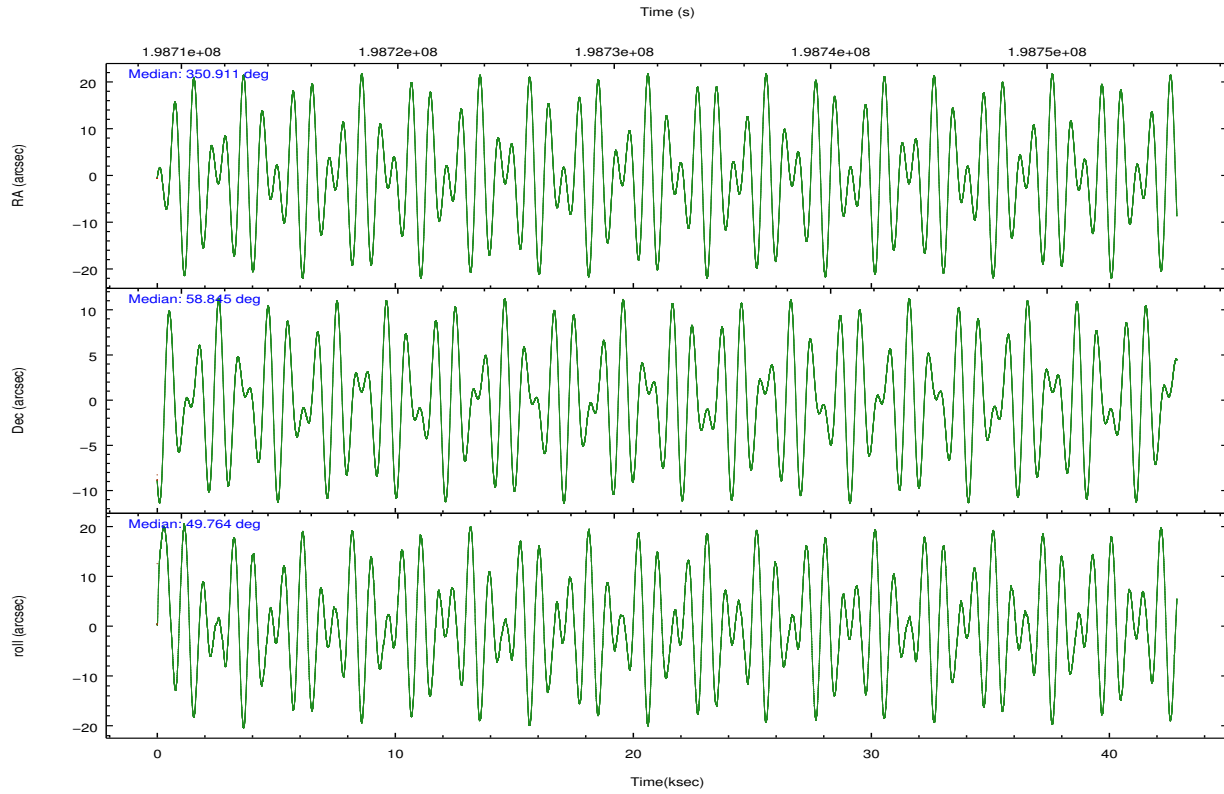
	ccd 7
grade 0 events	2856372
	20%
grade 1 events	51111
	0%
grade 2 events	3752830
	27%
grade 3 events	1383983
	10%
grade 4 events	1363082
	9%
grade 5 events	239537
	1%
grade 6 events	3522574
	25%
grade 7 events	485504
	3%

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	GRADED	GRADED	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	350.901823	350.9104857871395	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.818026	58.84488716167853	Alternating exposures requested	N	N
[deg] Pointing Roll	49.618278	49.76749627748271	[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)	198711472.184000	198710376.93488			
Observation start date	2004-04-18T21:36:48	2004-04-18T21:19:36			
[s] Observation end time (MET)	198753861.184000	198754176.21181			
Observation end date	2004-04-19T09:23:17	2004-04-19T09:29:36			
Read mode	TIMED	TIMED			

2.3 Aspect





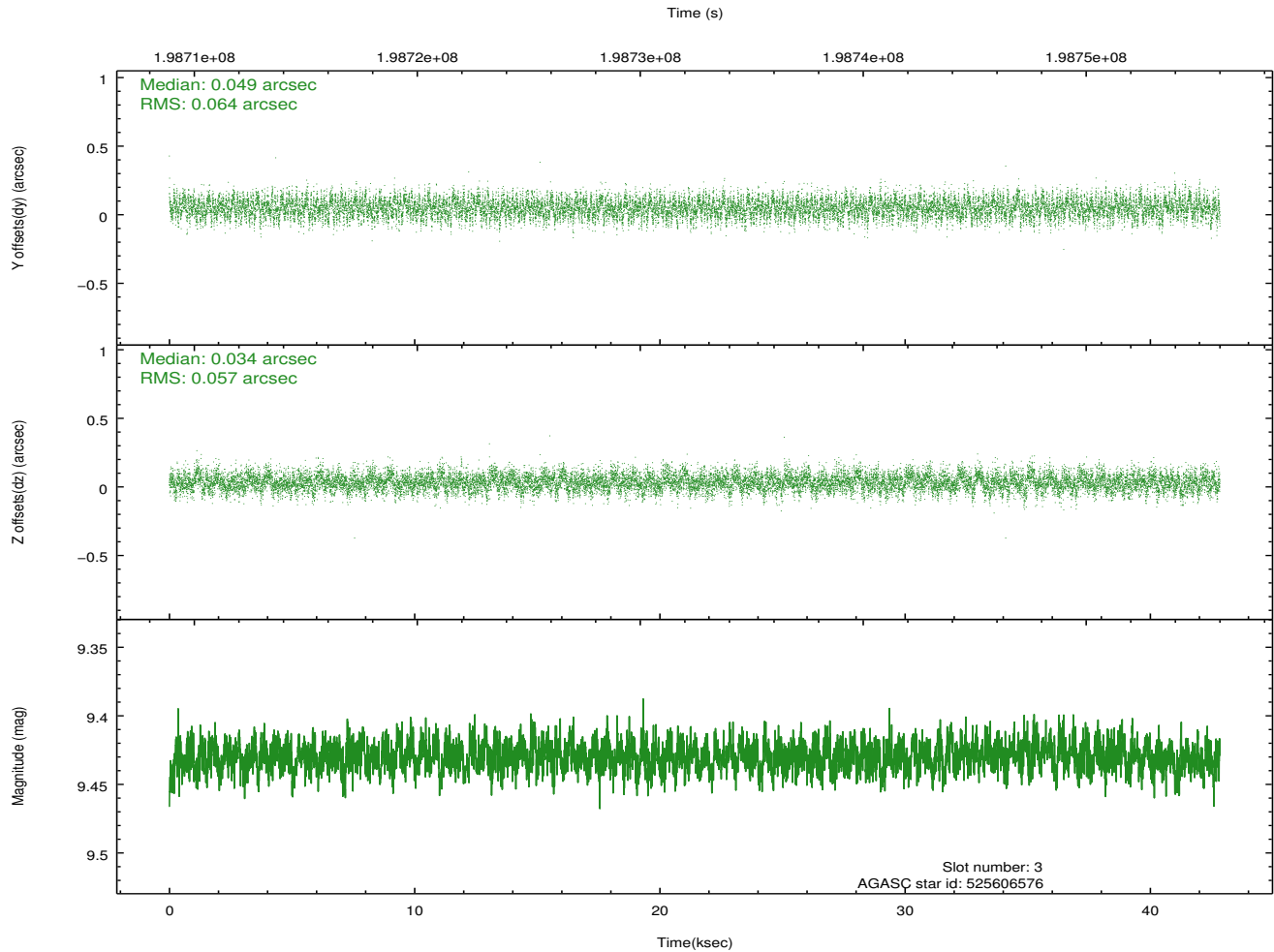
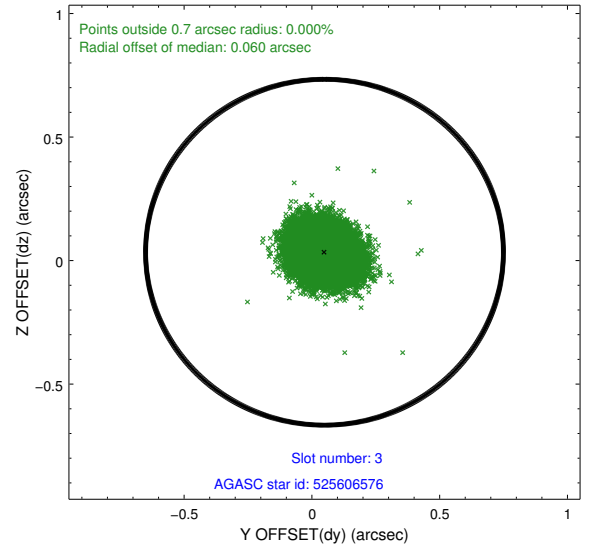
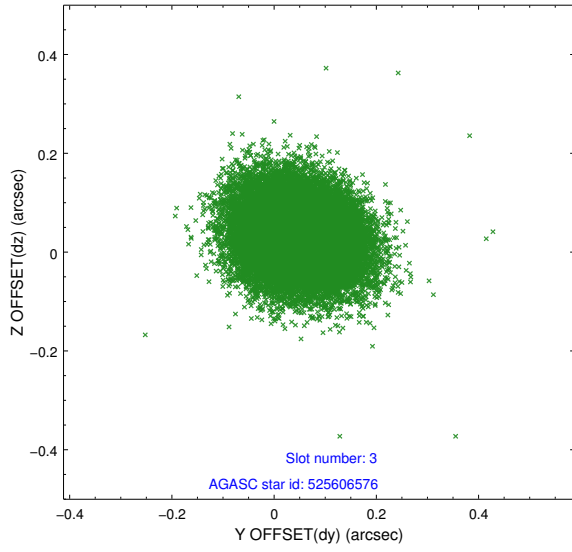
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	10450	0.051	-0.082	0.011	0.065	0.000000	0.000000	935.97	-1728.42
1	FID	ACIS-S-5	7.23	10448	-0.045	0.040	0.013	0.026	0.000000	0.000000	-1813.09	169.28
2	FID	ACIS-S-6	7.34	10449	-0.028	0.053	0.016	0.046	0.000000	0.000000	401.48	813.23
3	GUIDE	525606576	9.43	20889	0.049	0.034	0.091	0.146	349.543555	58.678895	-2008.69	1628.53
4	GUIDE	525732232	9.11	20883	0.015	0.017	0.073	0.121	351.669550	58.757012	767.85	-1229.22
5	GUIDE	525732488	8.41	20897	-0.058	-0.044	0.059	0.095	350.087090	58.516915	-1810.80	470.58
6	GUIDE	525736400	9.07	20888	0.033	-0.037	0.071	0.115	350.974563	59.175145	1066.39	731.12
7	GUIDE	525732528	9.37	20882	-0.040	0.030	0.092	0.149	351.607241	59.298932	2164.18	138.94

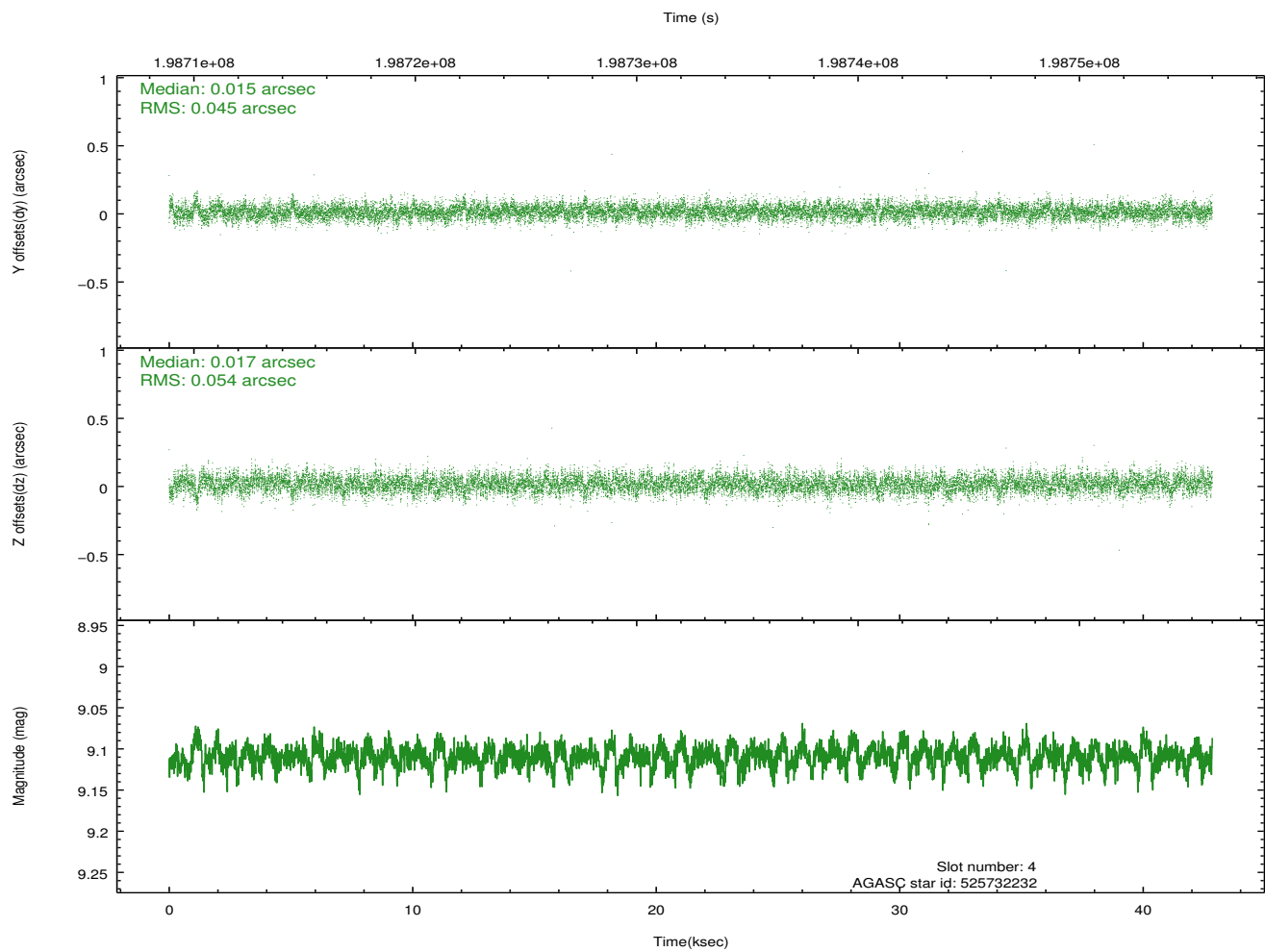
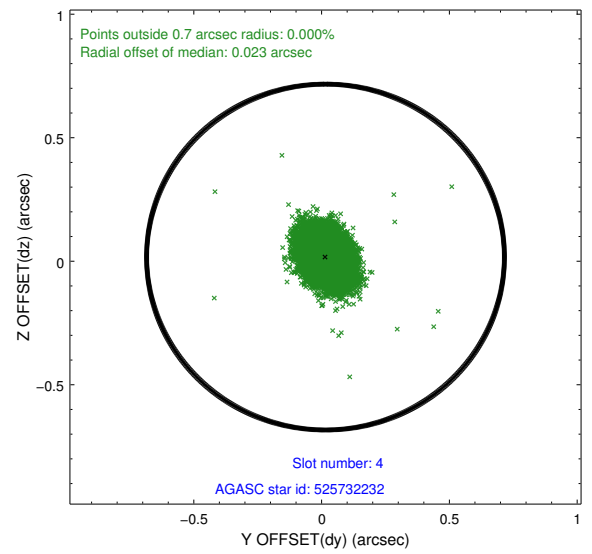
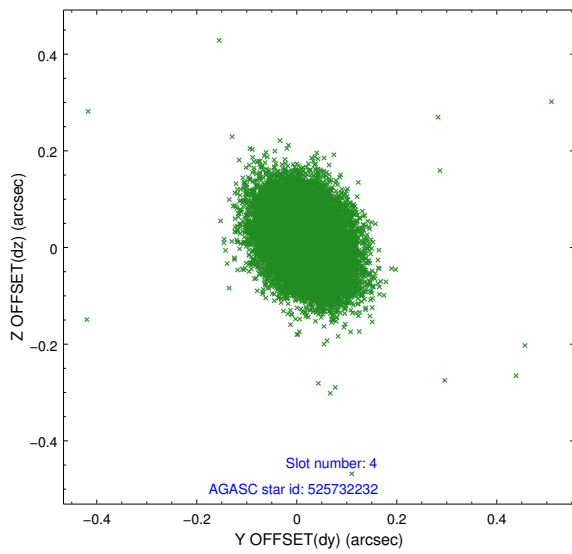
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2.4 Star Slots

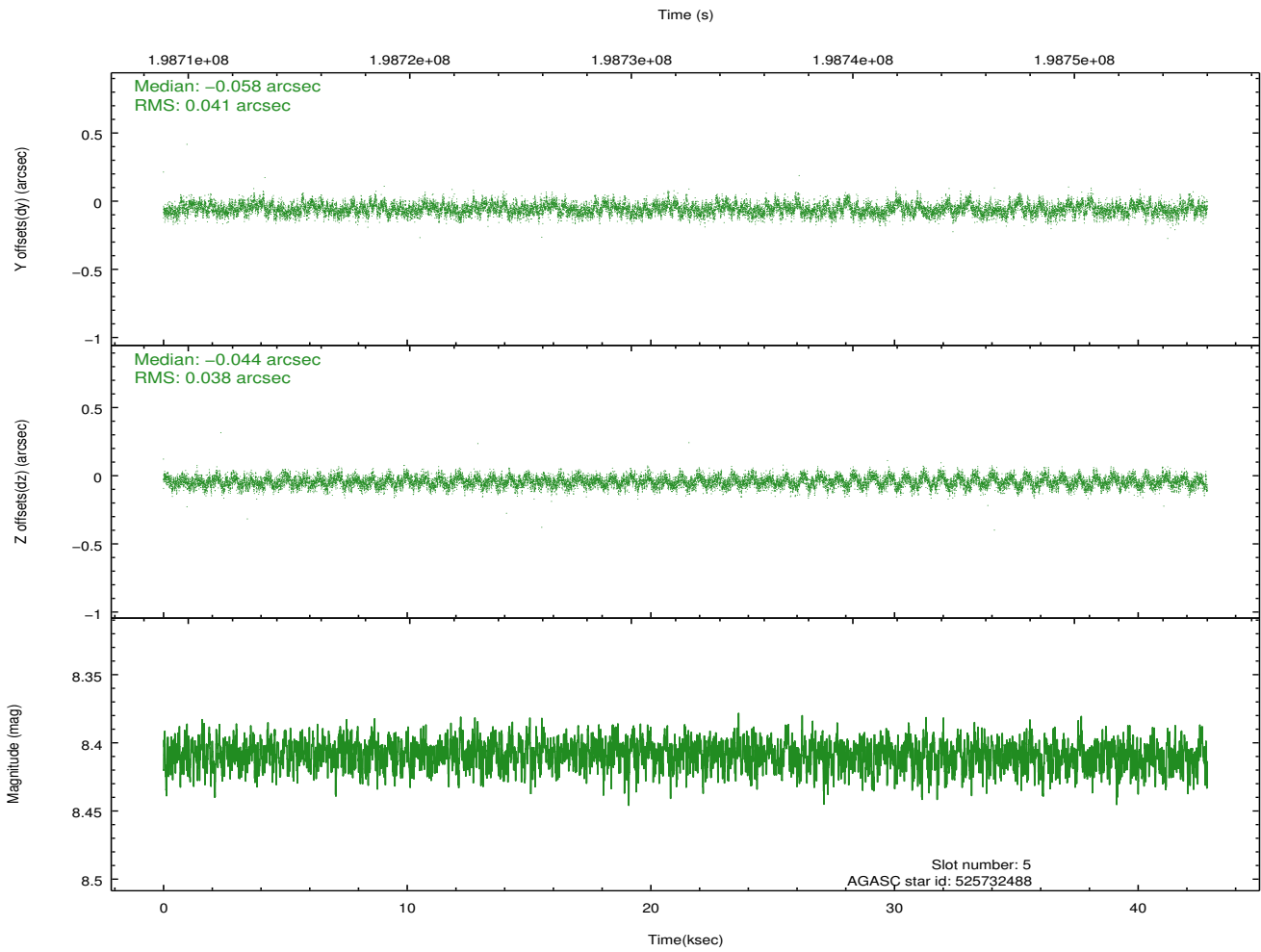
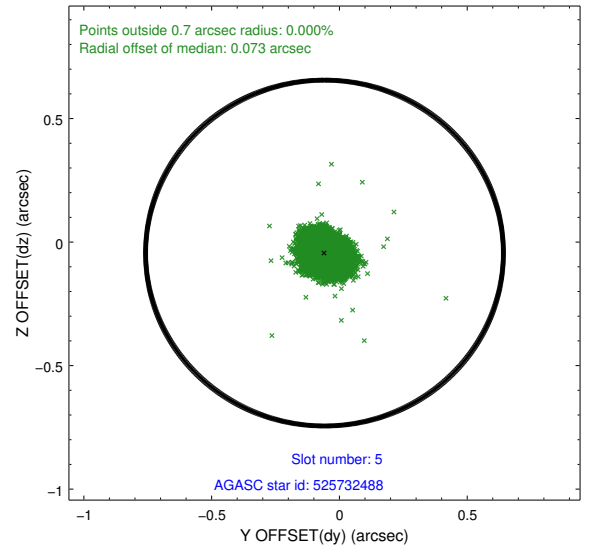
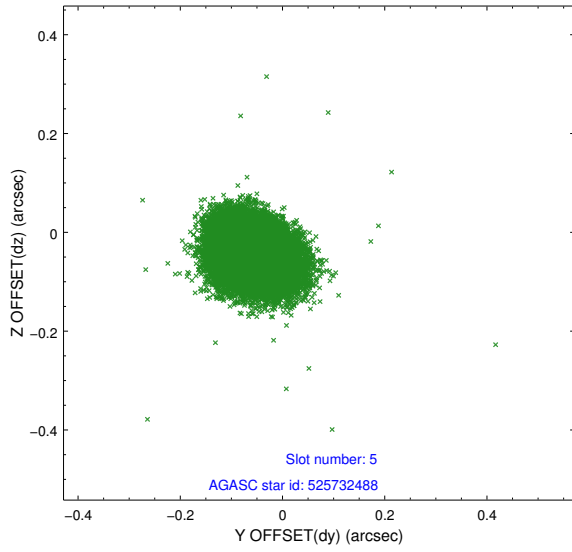
2.4.1 Slot 3



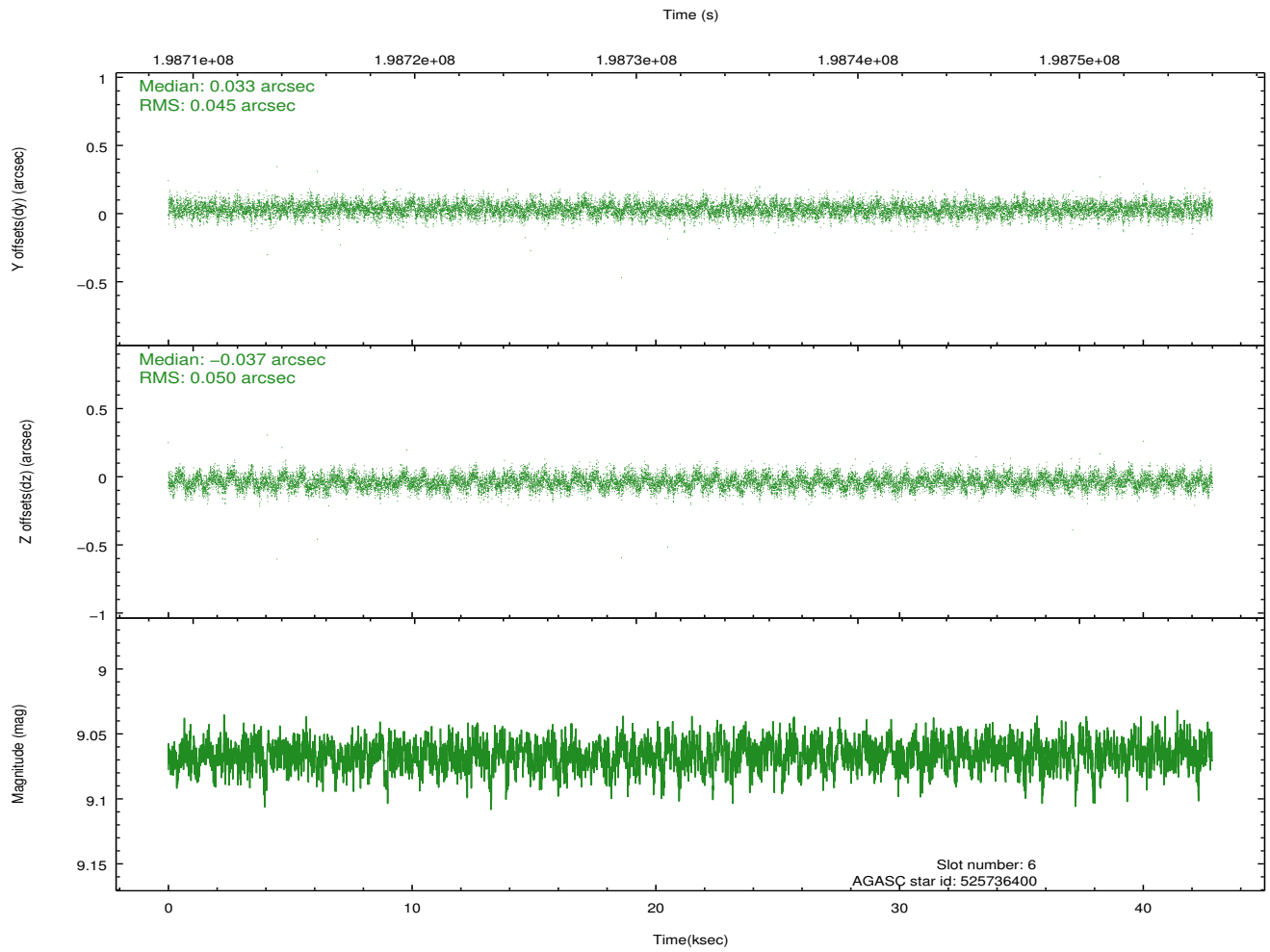
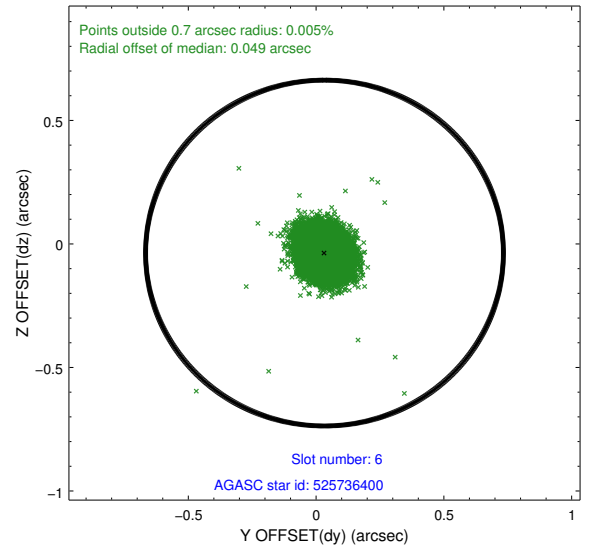
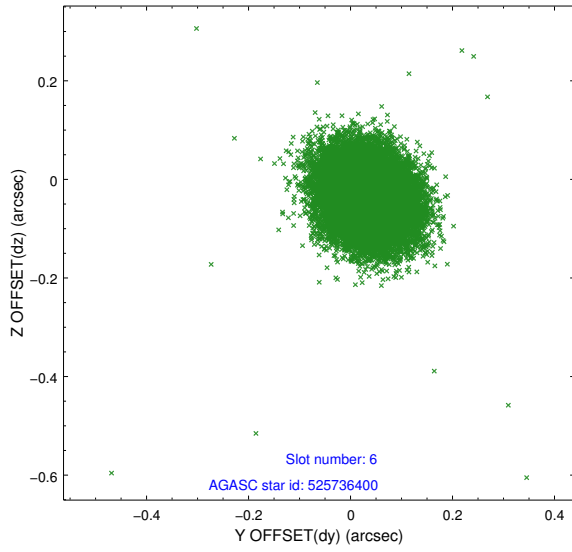
2.4.2 Slot 4



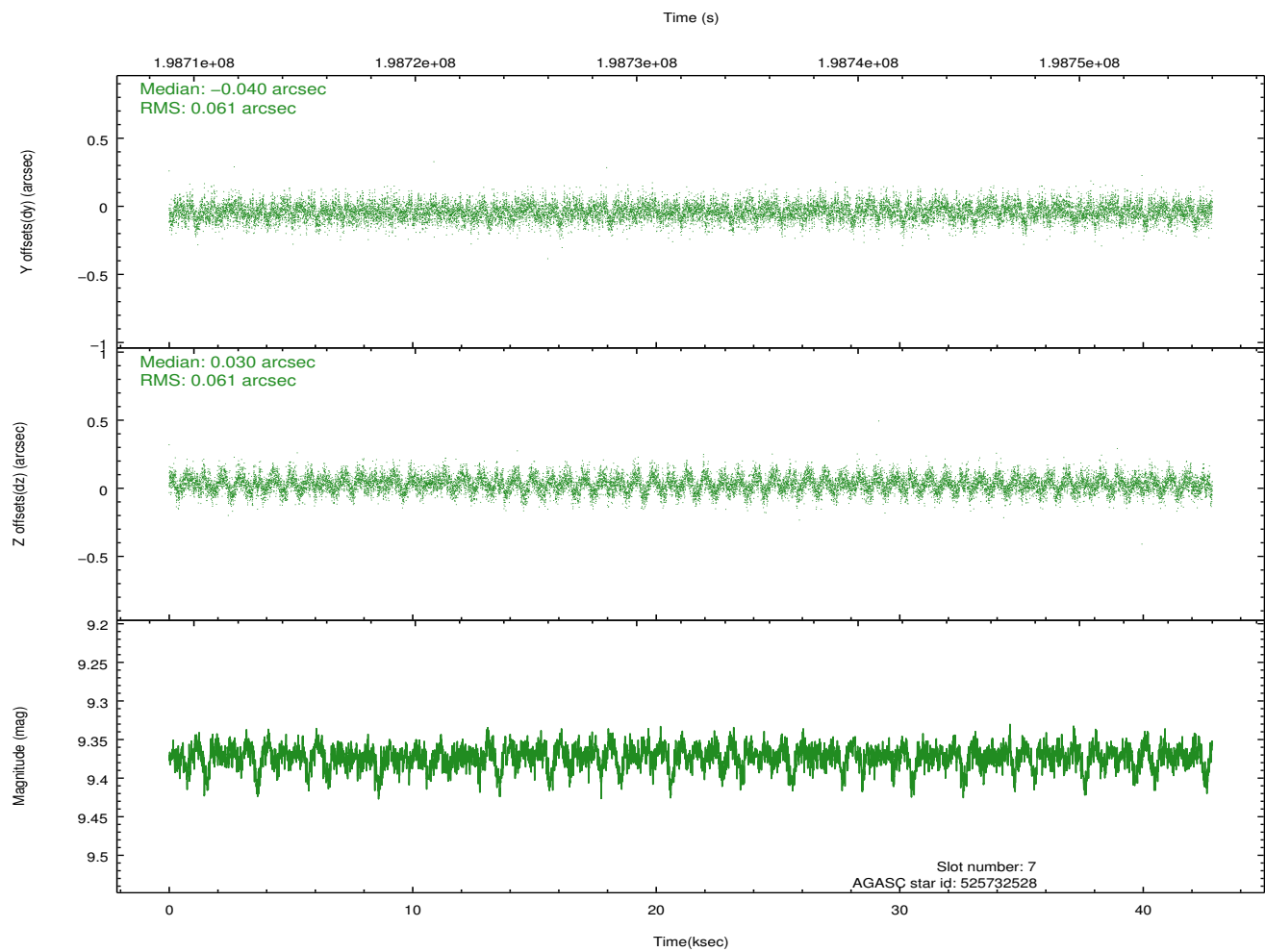
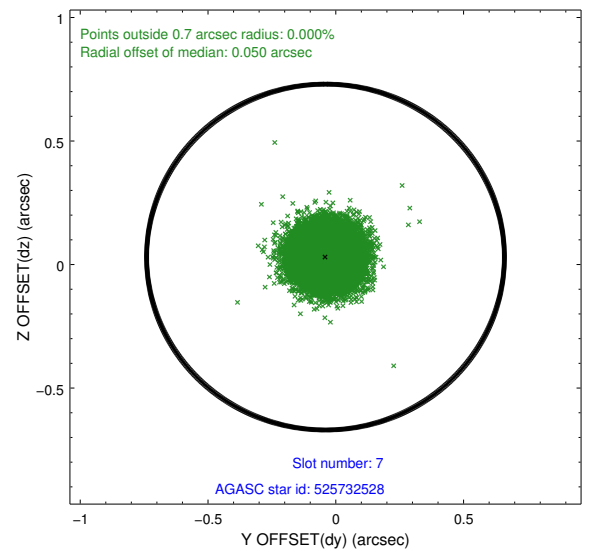
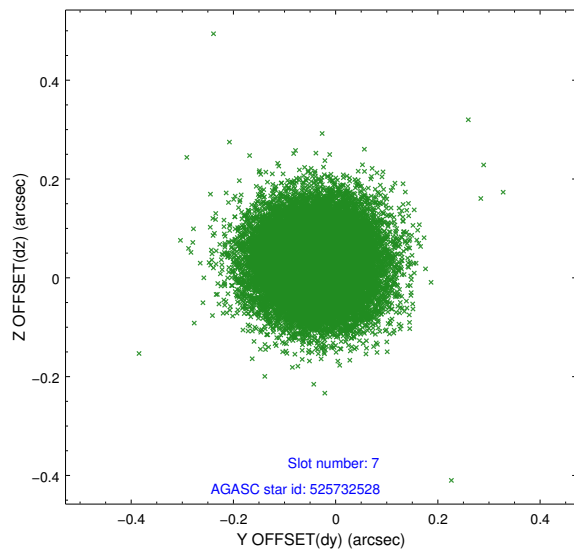
2.4.3 Slot 5



2.4.4 Slot 6

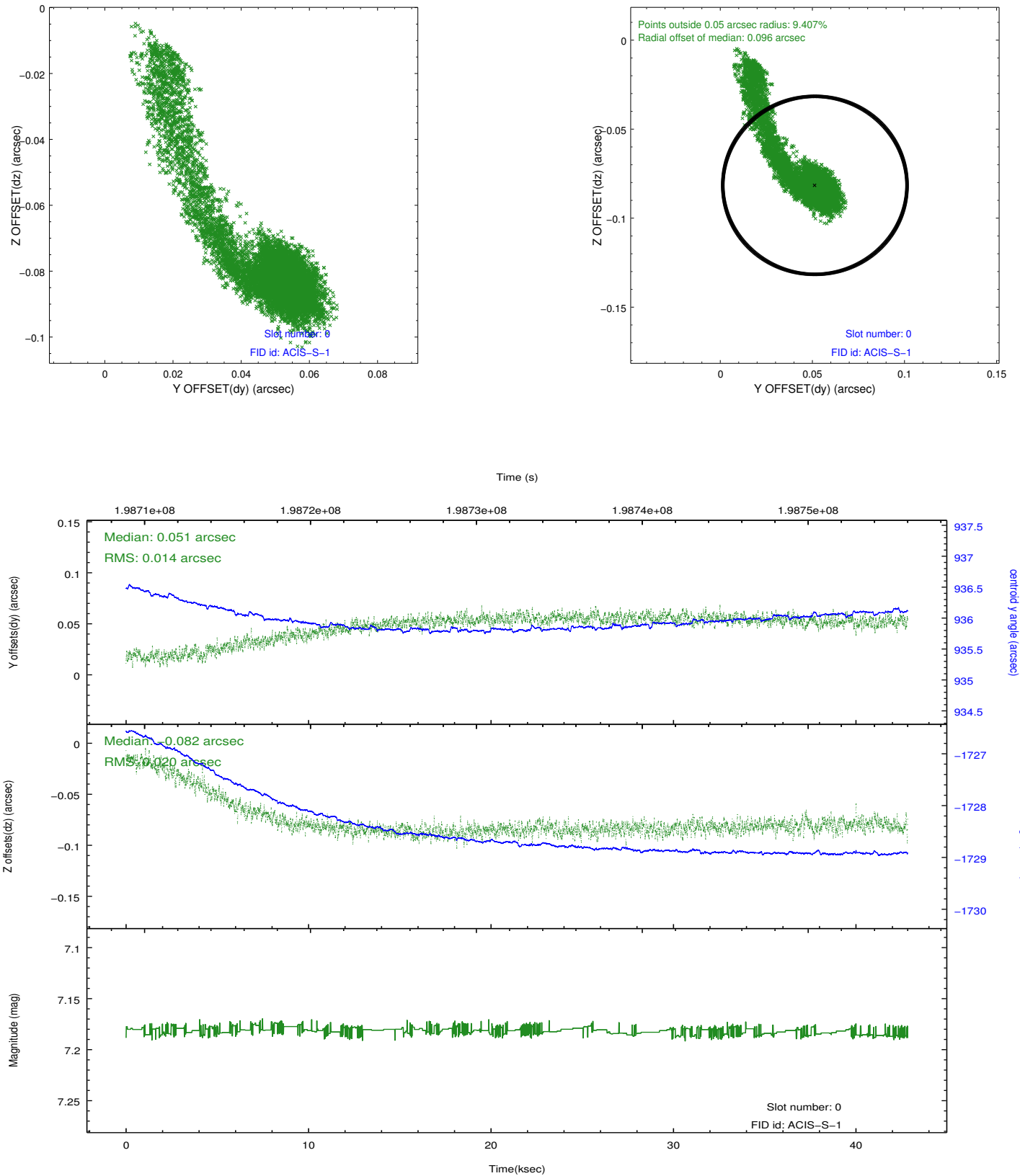


2.4.5 Slot 7

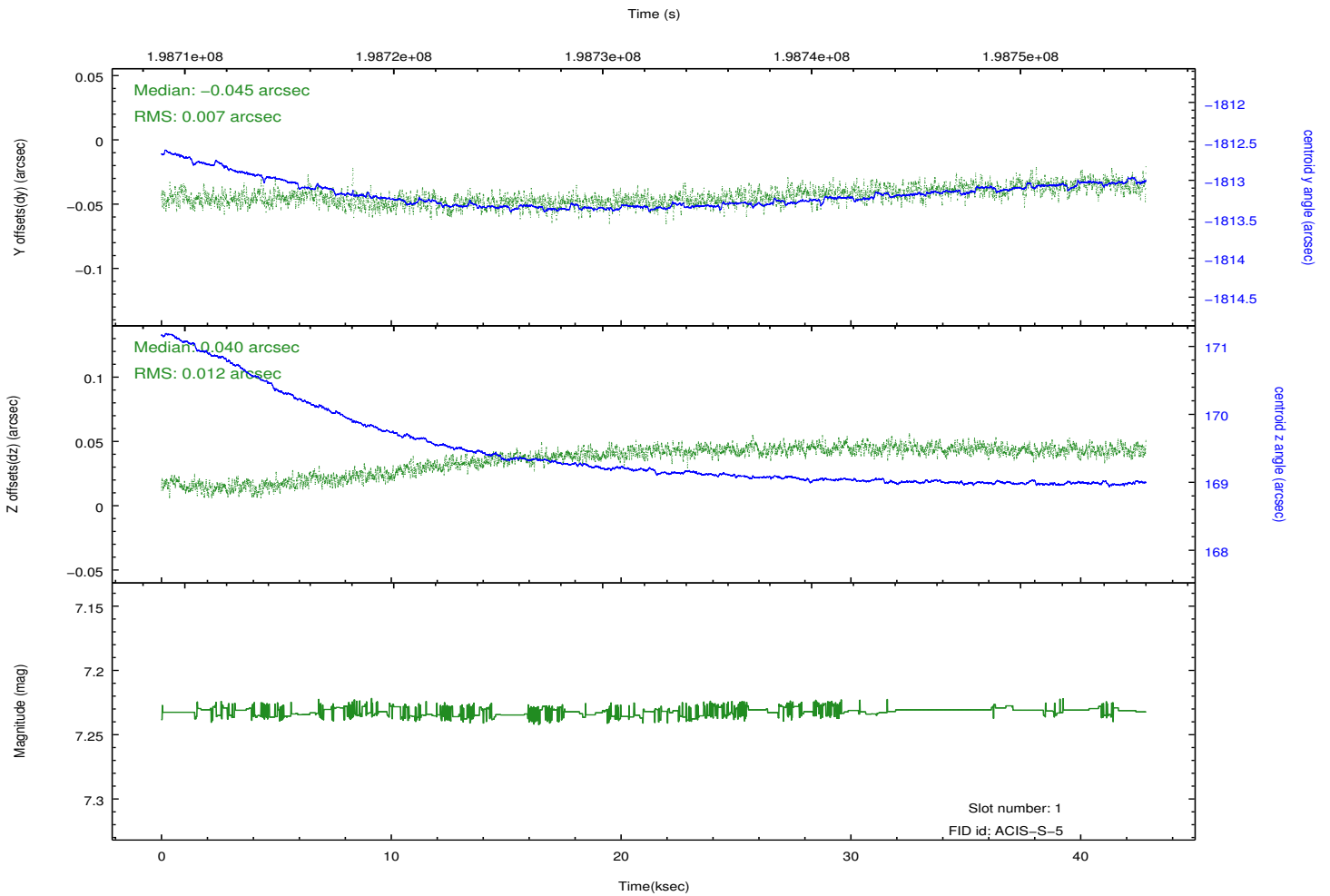
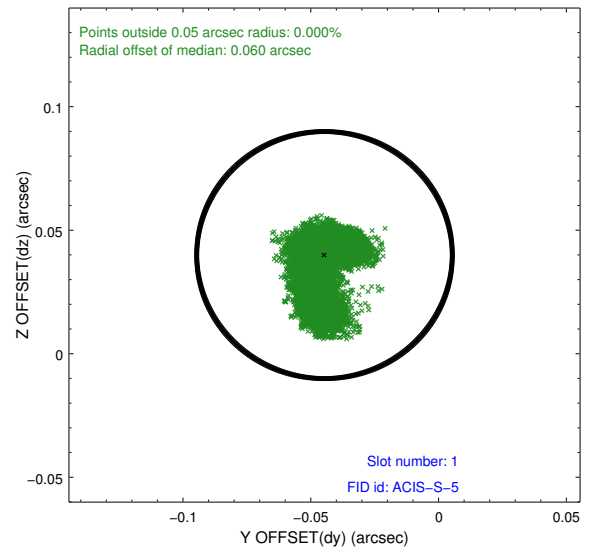
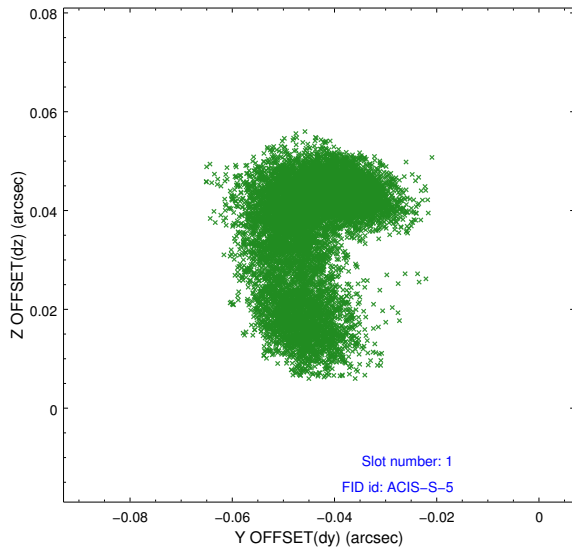


2.5 FID Slots

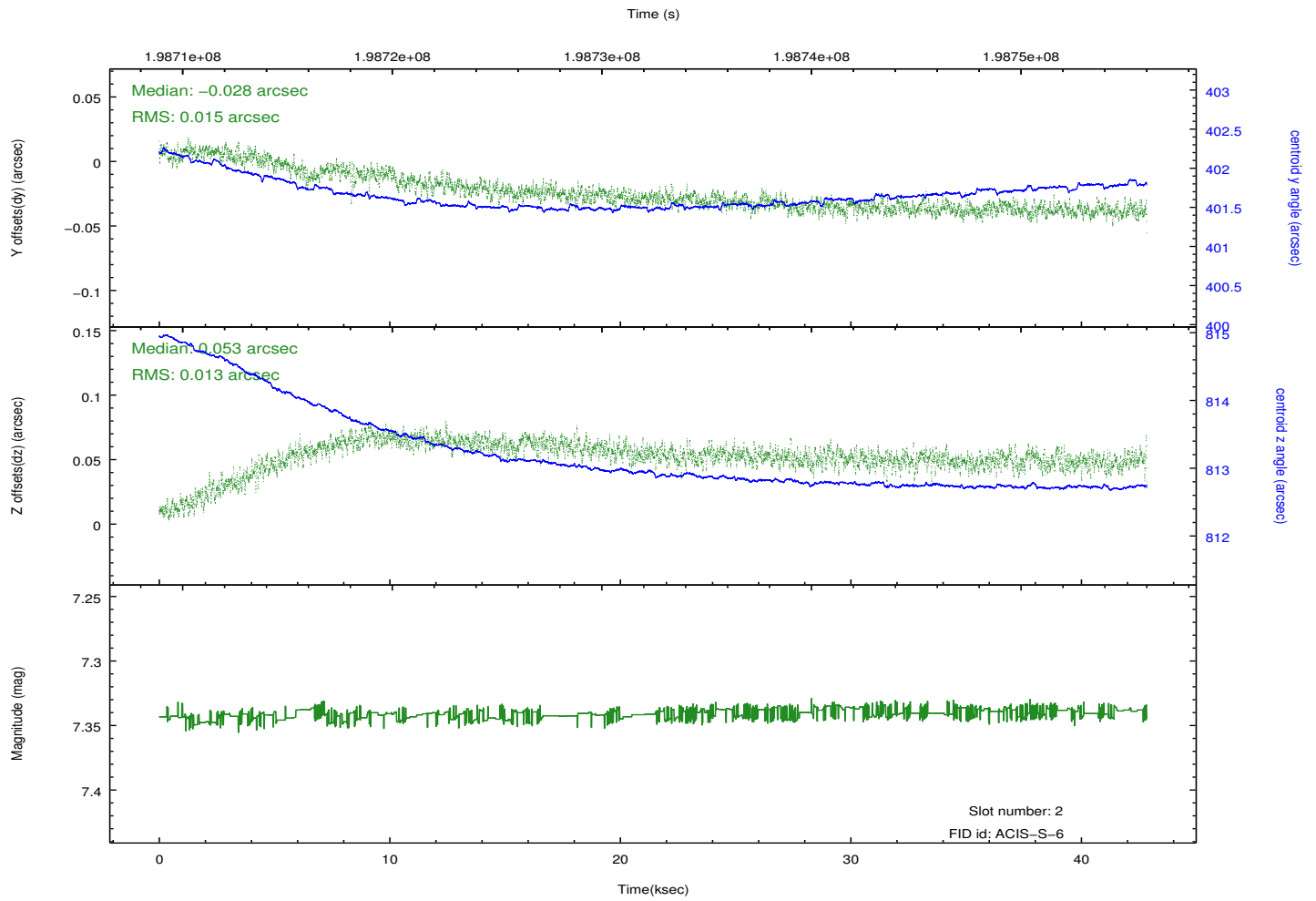
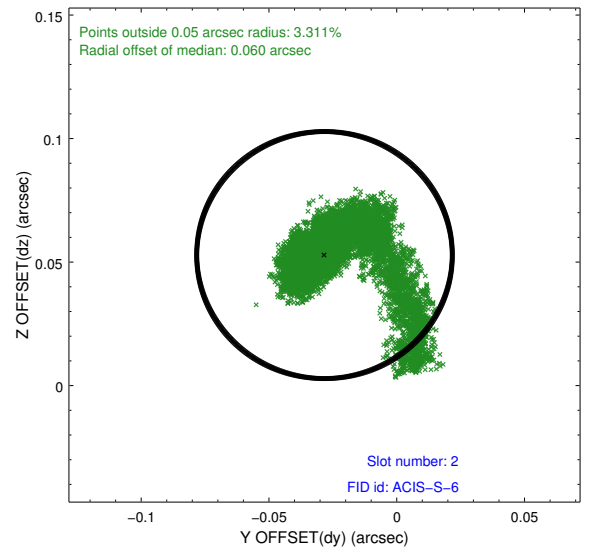
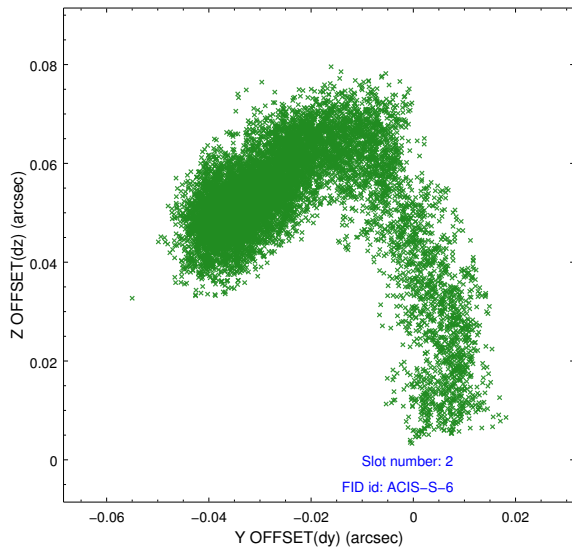
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	42.837

A.2 Comments