

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 20074 - L2 Version 1
Chandra X-Ray Center

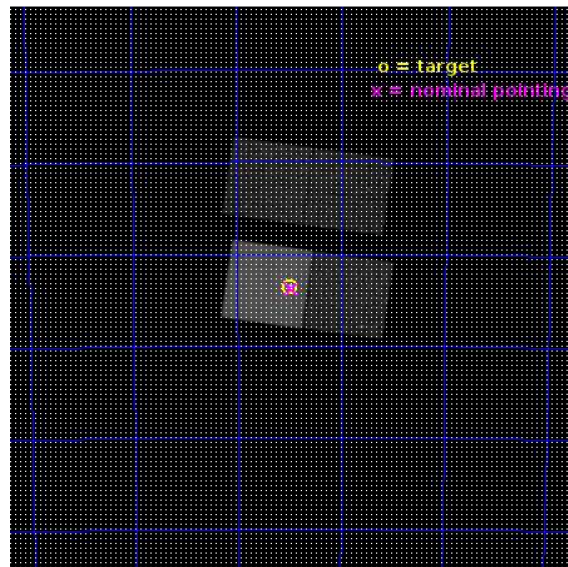
L2 Processing Date : Jun 2 2017

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1 Front

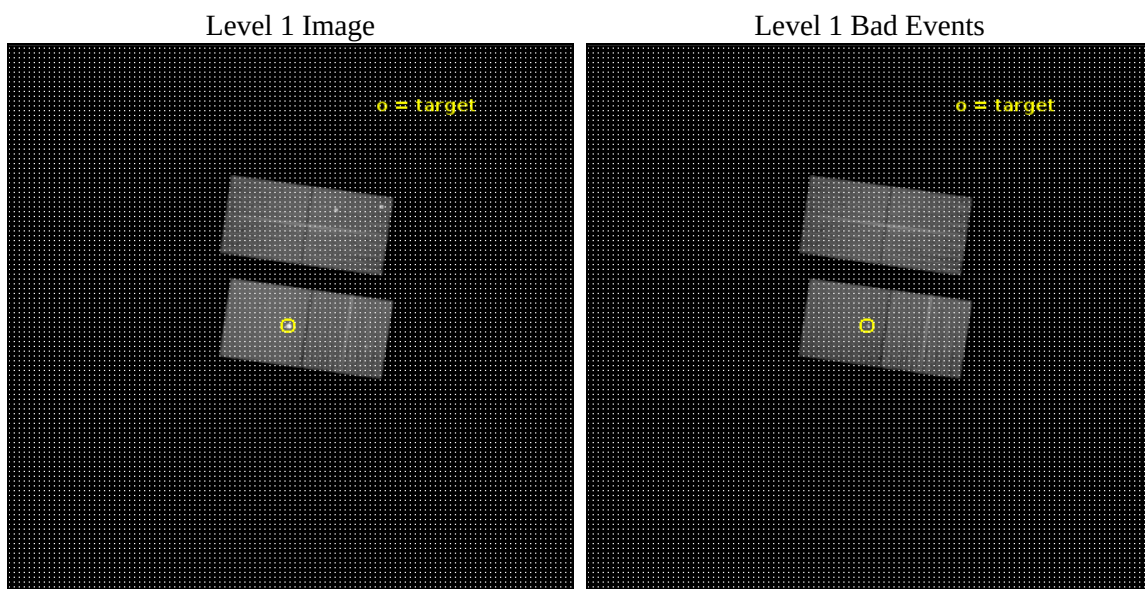
seq_num	502637	Sequence number
obs_id	20074	Observation id
title	N103B: A Type Ia Remnant with Circumstellar Interaction... Kepler's Older Cousin?	Proposal title
observer	Dr. Brian Williams	Principal investigator
object	SNR 0509-68.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	77.245833	Observer's specified target RA [deg]
dec_targ	-68.726111	Observer's specified target Dec [deg]
ra_nom	77.239683412382	Nominal RA [deg]
dec_nom	-68.729965592583	Nominal Dec [deg]
roll_nom	188.15088750189	Nominal Roll [deg]
revision	1	Processing version of data
ontime	31582.80024302	Sum of GTIs [s]
livetime	31170.147706926	Livetime [s]
ontime2	31576.518292308	Sum of GTIs [s]
ontime3	31579.659252763	Sum of GTIs [s]
ontime6	31582.80024302	Sum of GTIs [s]
ontime7	31582.80024302	Sum of GTIs [s]
l2events	280532	Number of level 2 events



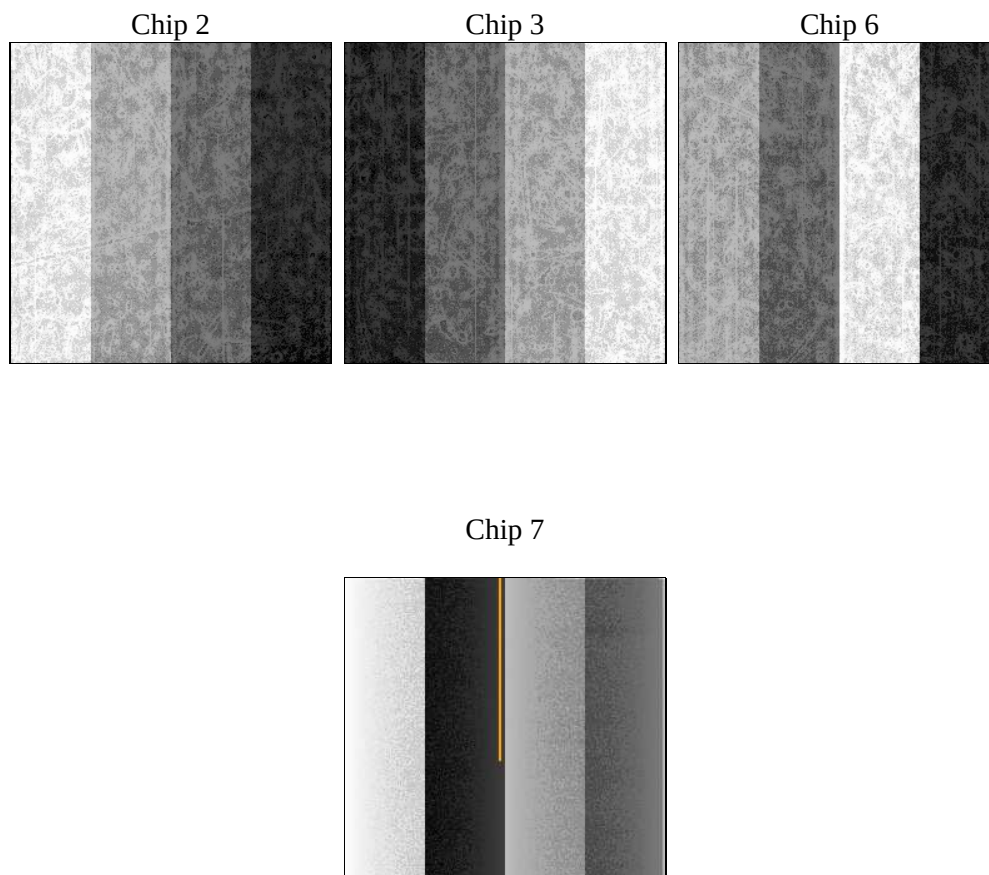
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	31515.597000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	31582.80024302	Sum of GTIs [s]
caldsver	4.7.4	 	ontime2	31576.518292308	Sum of GTIs [s]
date	2017-06-02T16:54:48	Date and time of file creation	ontime3	31579.659252763	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	31582.80024302	Sum of GTIs [s]
			ontime7	31582.80024302	Sum of GTIs [s]
			l1events	1084295	Number of level 1 events

2.1.4 Events

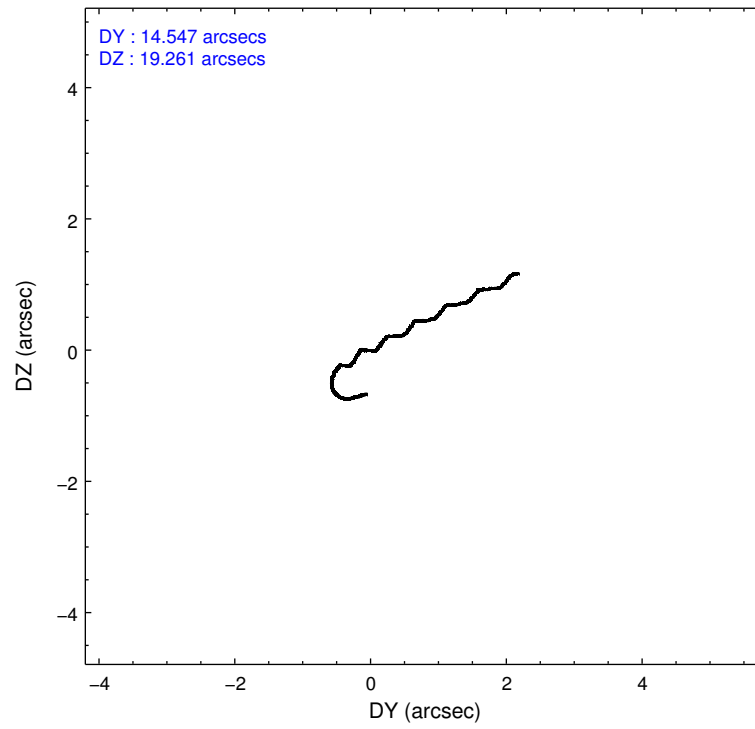
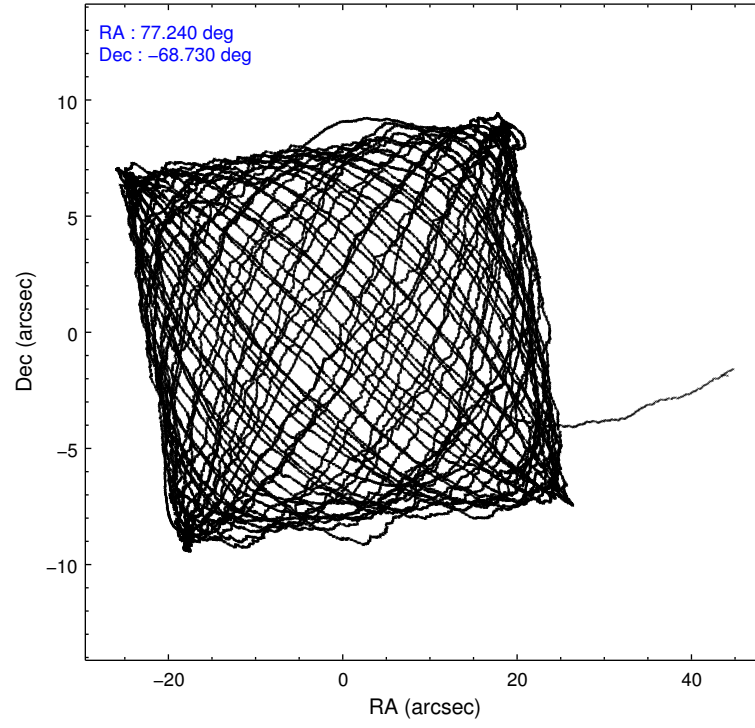
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	250108	217016	232281	384890
rejected events	207268	193820	204990	164909
rejected %	82%	89%	88%	42%

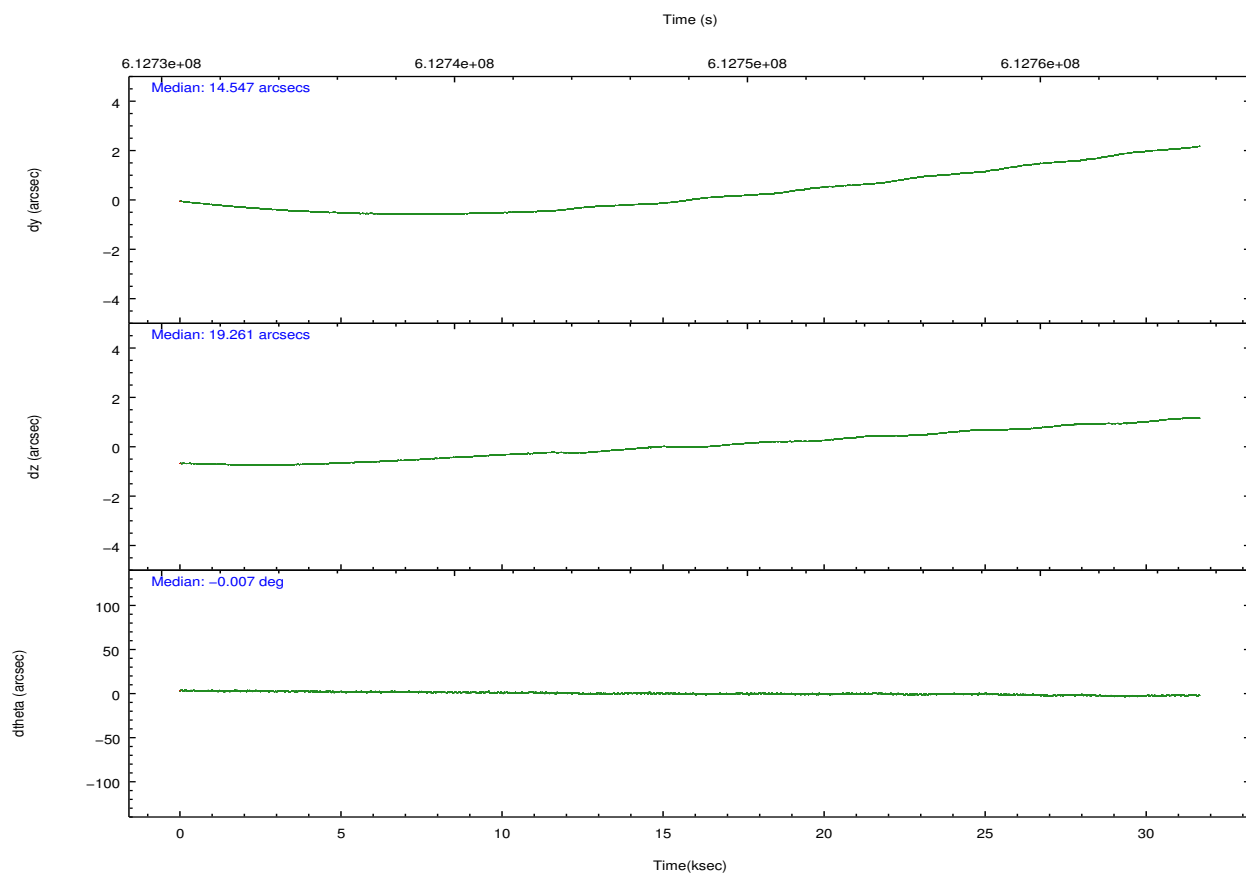
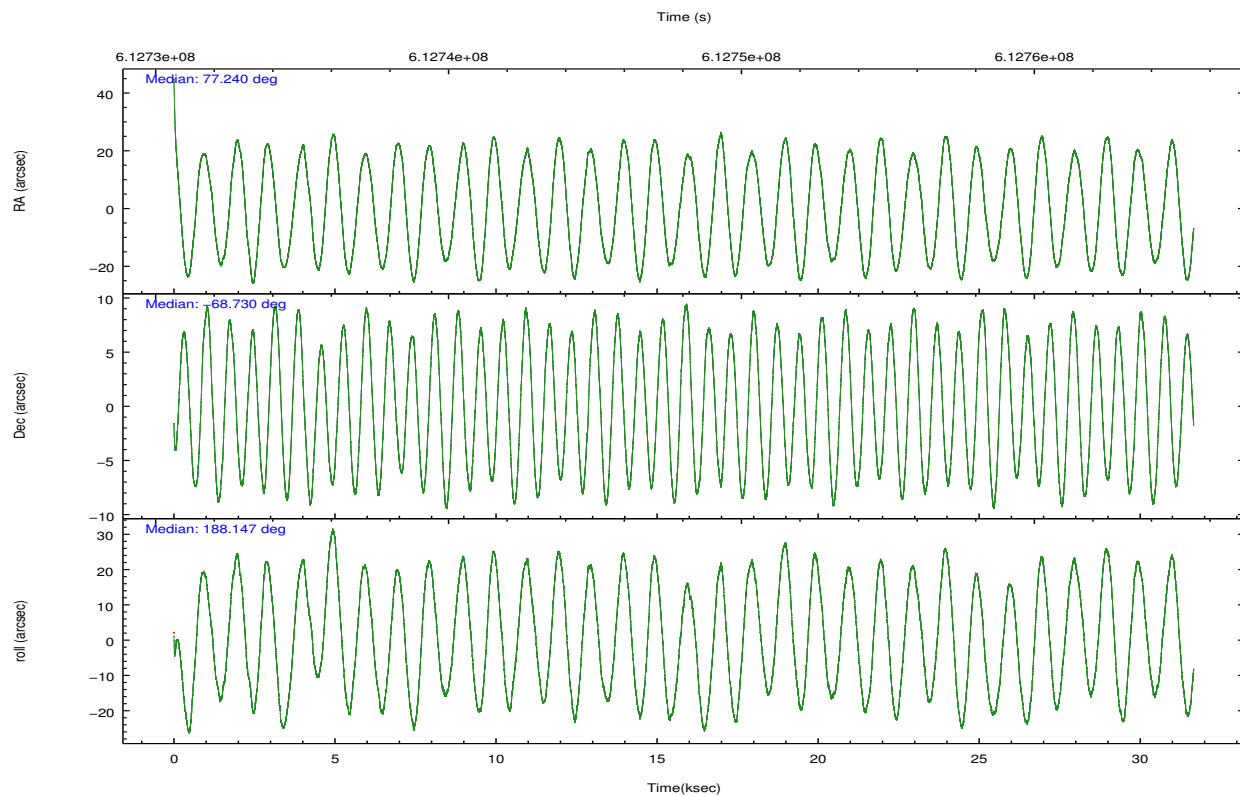
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	17982	8655	9642	36246
	7%	3%	4%	9%
grade 1 events	202	110	170	839
	0%	0%	0%	0%
grade 2 events	15297	4859	6439	53696
	6%	2%	2%	13%
grade 3 events	2450	2413	2394	20978
	0%	1%	1%	5%
grade 4 events	2401	2362	2442	20332
	0%	1%	1%	5%
grade 5 events	8350	9990	10249	28241
	3%	4%	4%	7%
grade 6 events	4716	4914	6379	88768
	1%	2%	2%	23%
grade 7 events	198710	183713	194566	135790
	79%	84%	83%	35%

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	77.298550	77.23968341238219	Subarray requested	NONE	NONE
[deg] Pointing Dec	-68.712723	-68.7299655925835	Alternating exposures requested	N	N
[deg] Pointing Roll	188.049130	188.1508875018869	[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)	612732357.184000	612731366.53684			
Observation start date	2017-06-01T19:24:48	2017-06-01T19:09:26			
[s] Observation end time (MET)	612763872.184000	612764097.86374			
Observation end date	2017-06-02T04:10:03	2017-06-02T04:14:57			
Read mode	TIMED	TIMED			

2.3 Aspect



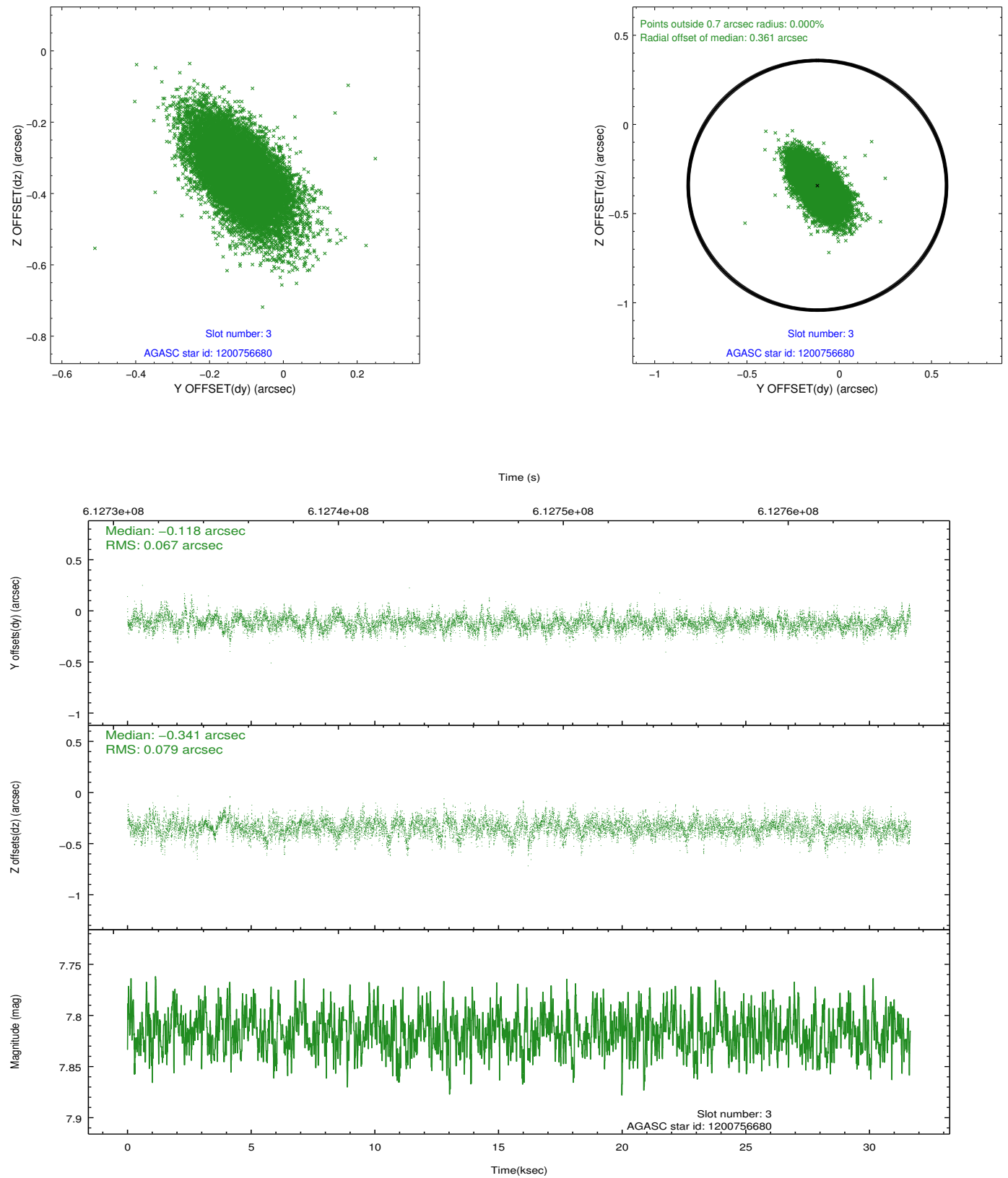


Slot Statistics

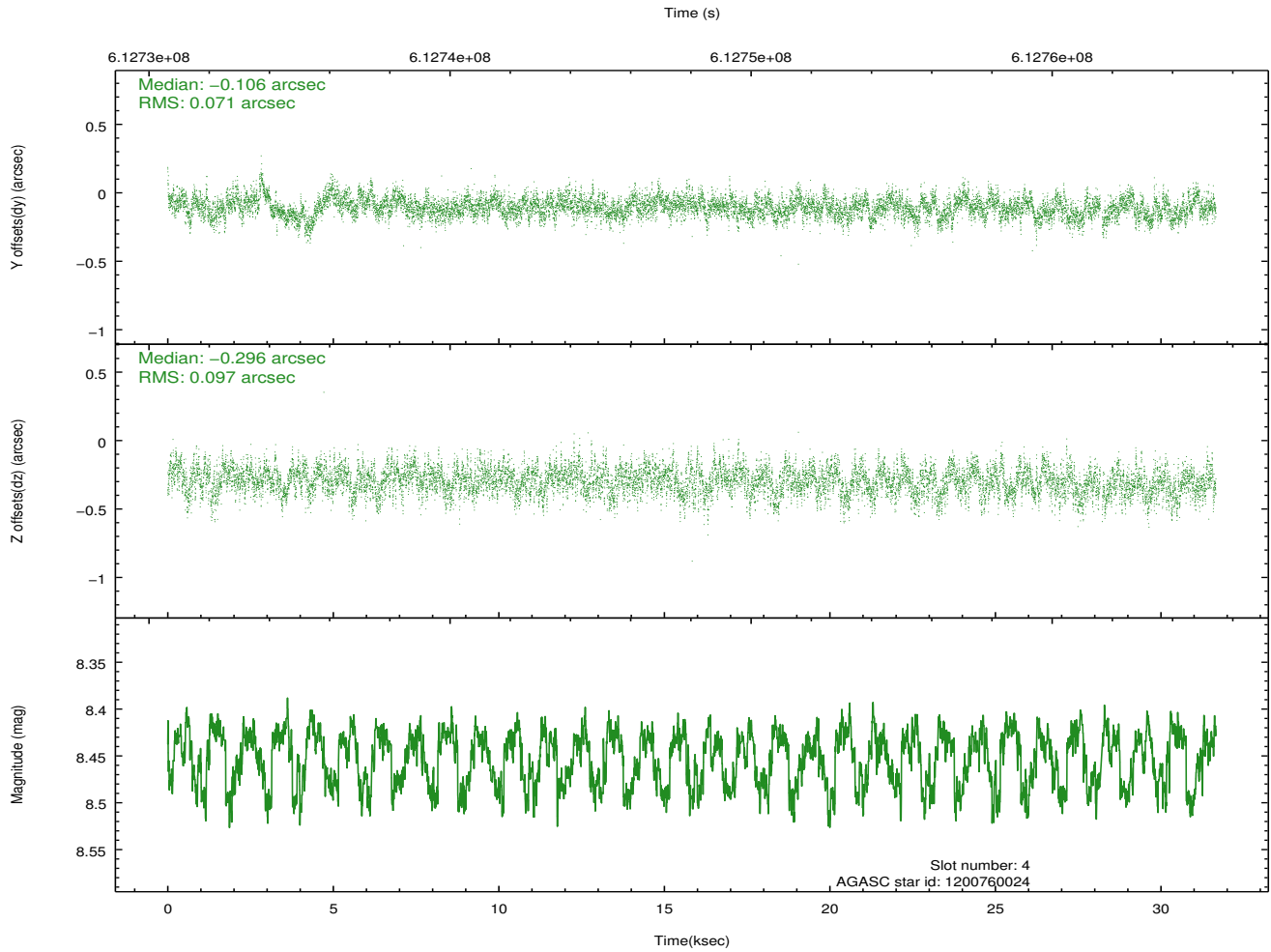
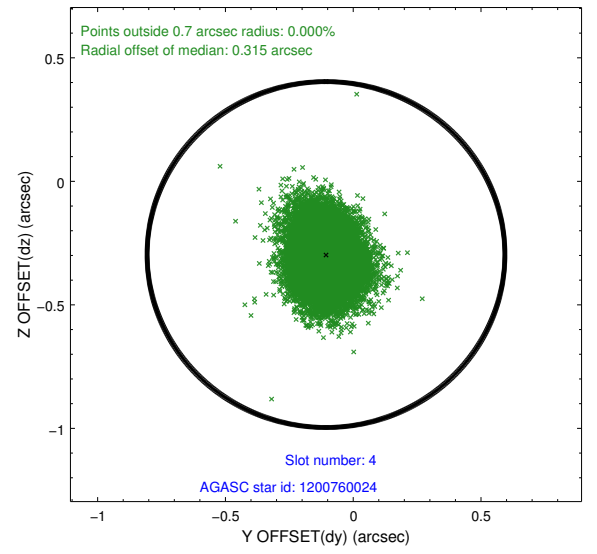
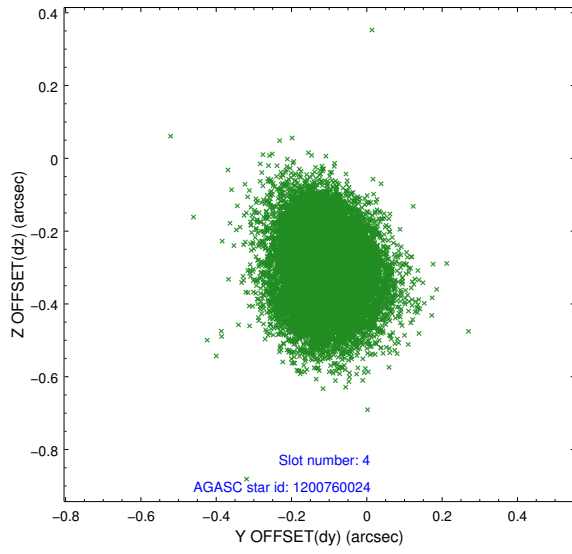
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.21	7722	0.035	-0.054	0.033	0.046	0.000000	0.000000	928.28	-1736.49
1	FID		ACIS-S-4	7.22	7721	0.390	0.025	0.024	0.041	0.000000	0.000000	2146.01	167.74
2	FID		ACIS-S-5	7.21	7722	-0.454	0.045	0.029	0.040	0.000000	0.000000	-1821.06	161.29
3	GUIDE	used	1200756680	7.82	15438	-0.118	-0.341	0.105	0.190	76.219475	-68.900351	1480.87	486.30
4	GUIDE	used	1200760024	8.45	15408	-0.106	-0.296	0.126	0.208	77.625244	-69.320410	-104.90	2225.50
5	GUIDE	used	1200888000	8.59	15437	0.261	0.553	0.125	0.208	78.402273	-68.021569	-1817.93	-2241.12
6	GUIDE	used	1200758760	8.28	15439	0.037	0.234	0.165	0.261	76.277764	-68.086435	1044.30	-2412.84
7	GUIDE	used	1200888464	9.41	15363	-0.069	-0.147	0.219	0.336	78.430687	-69.005633	-1295.98	1261.73

2.4 Star Slots

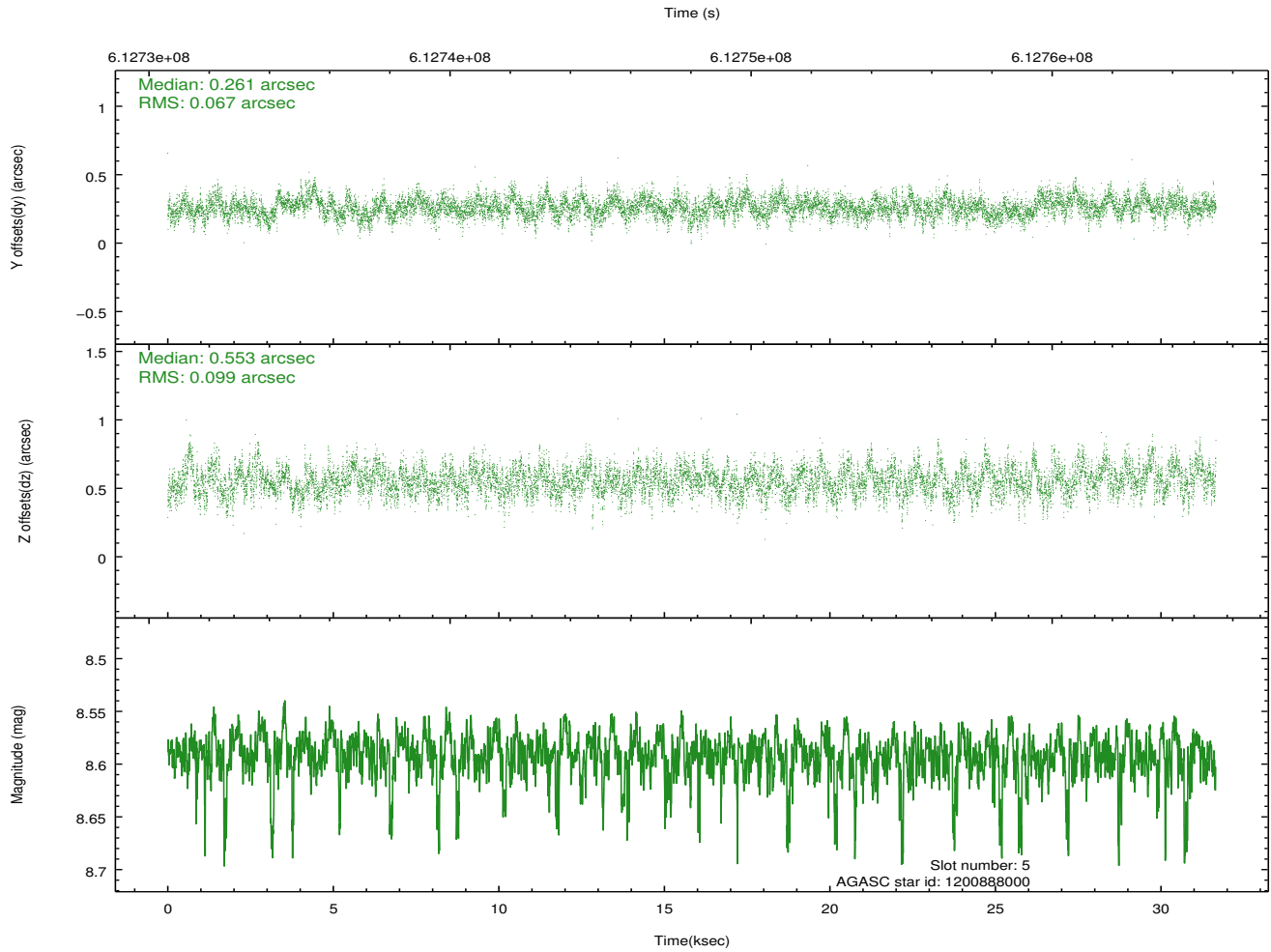
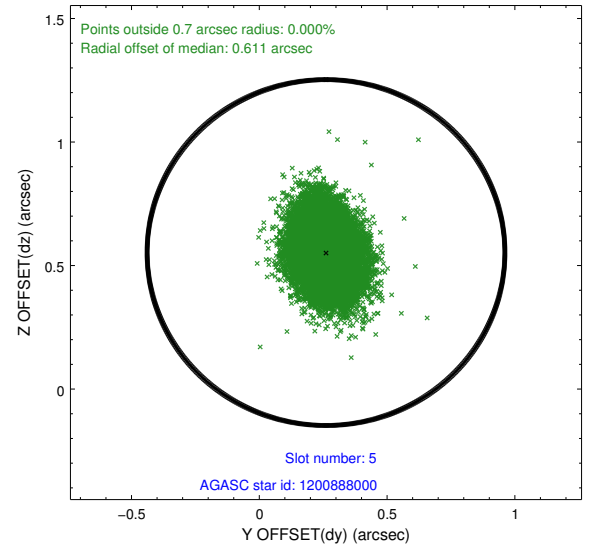
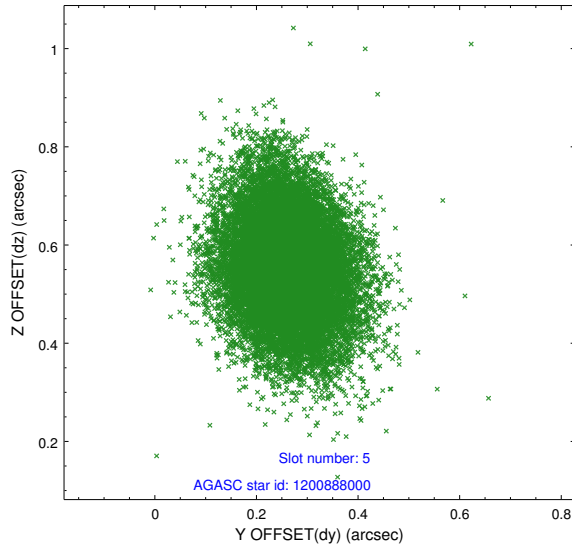
2.4.1 Slot 3



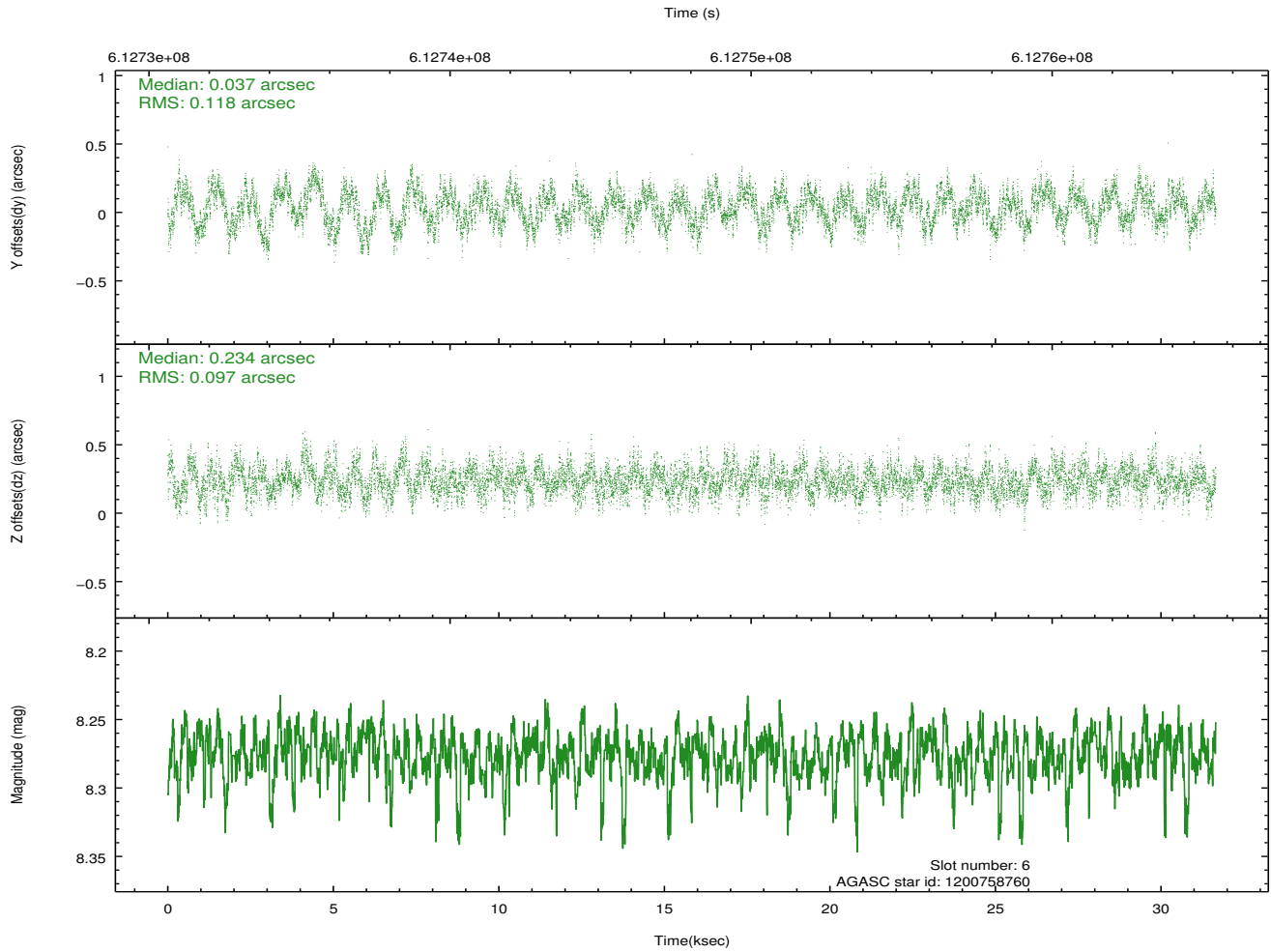
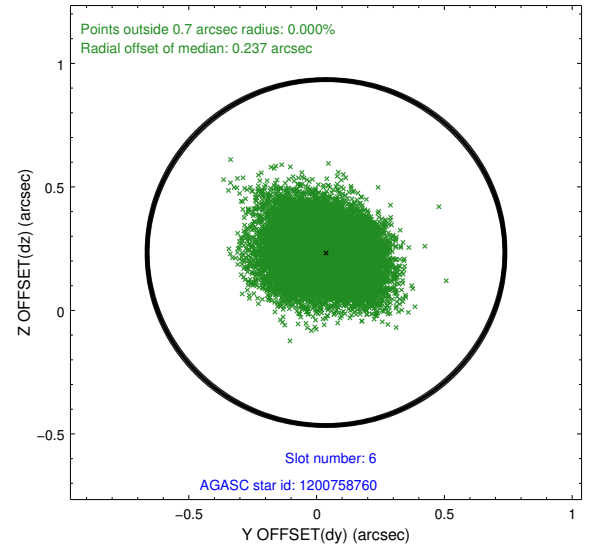
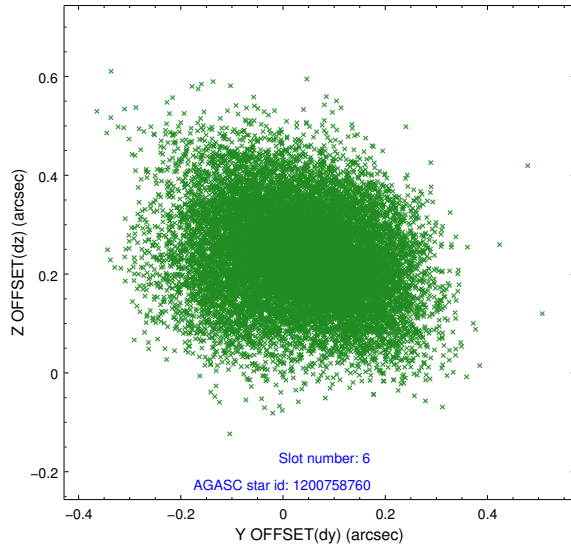
2.4.2 Slot 4



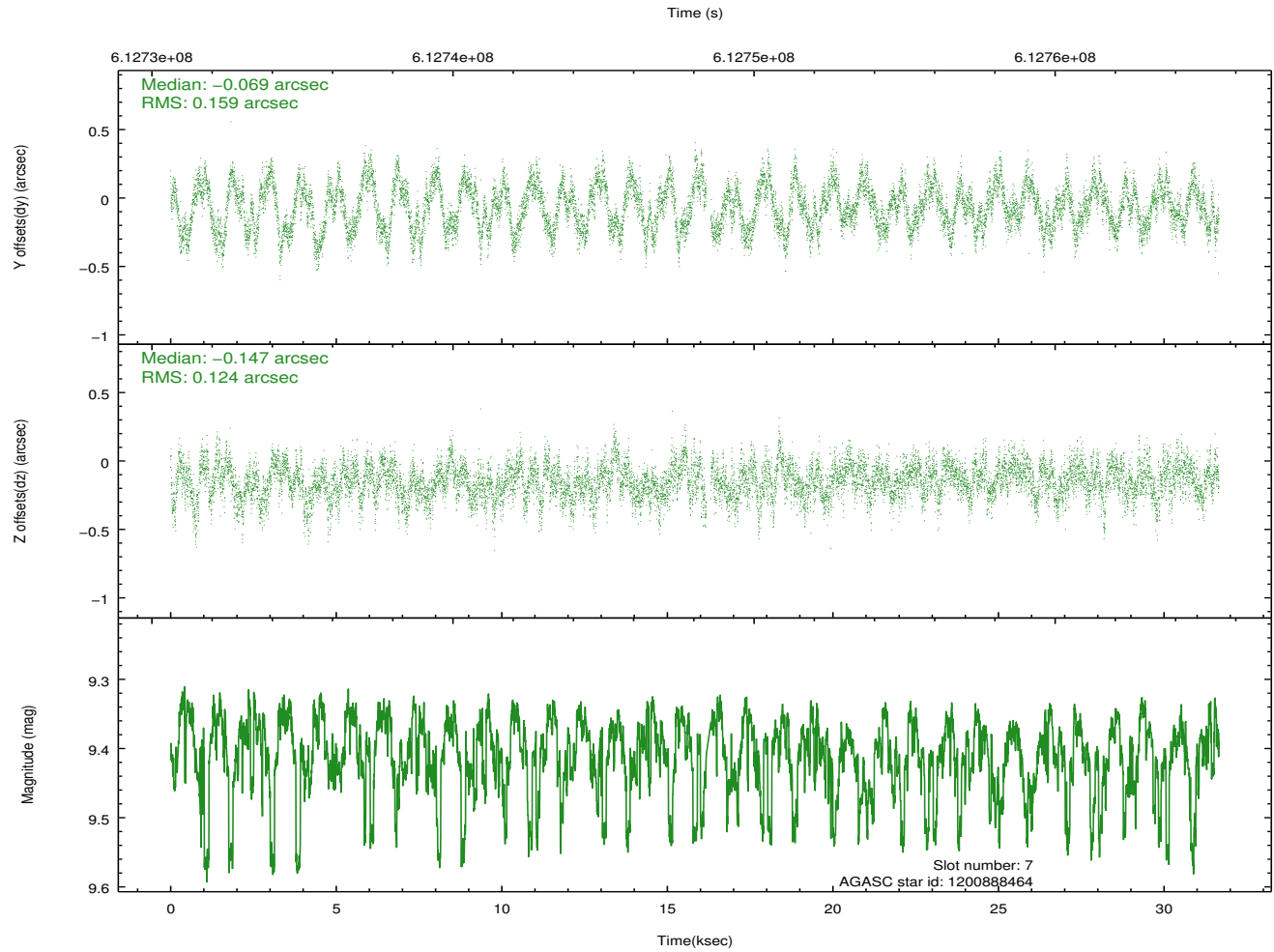
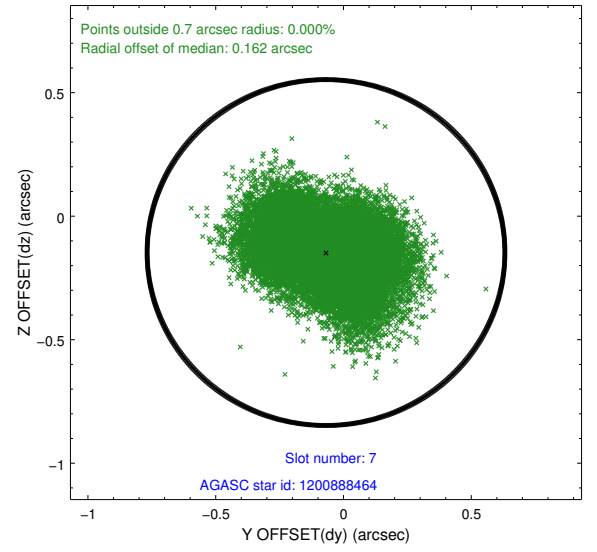
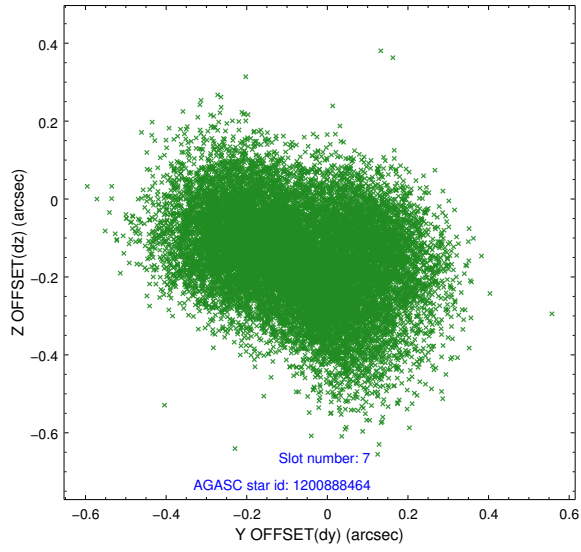
2.4.3 Slot 5



2.4.4 Slot 6

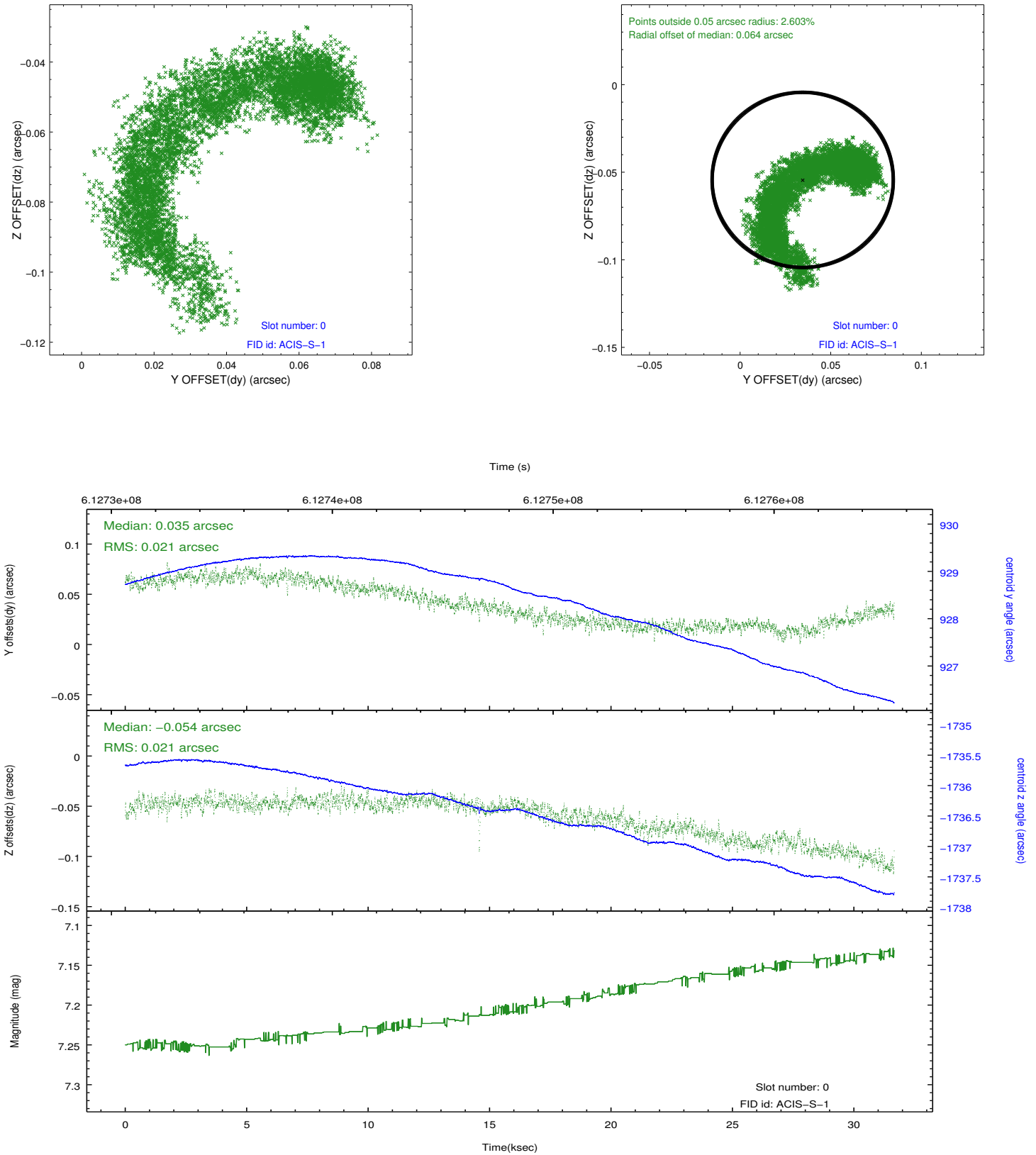


2.4.5 Slot 7

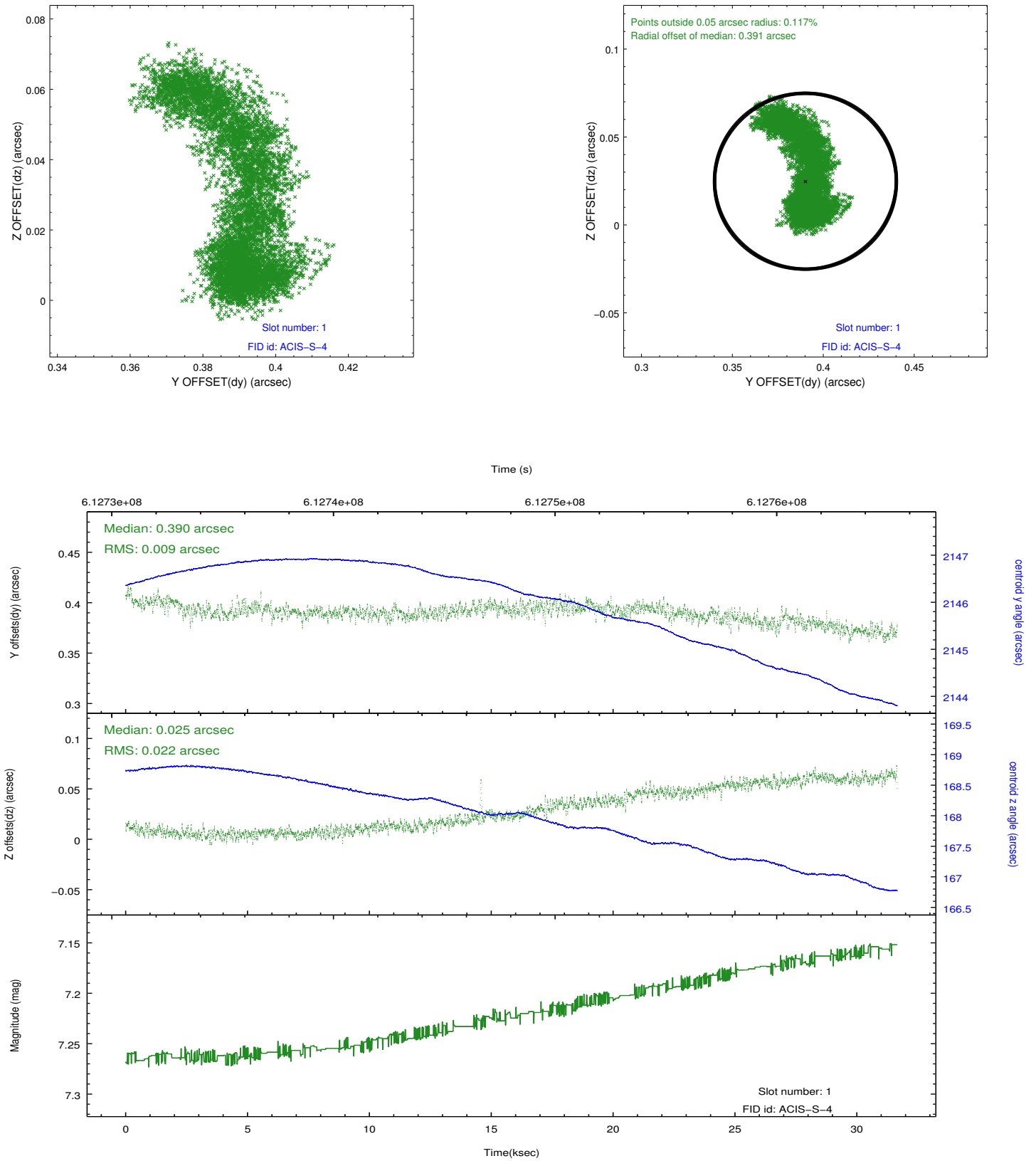


2.5 FID Slots

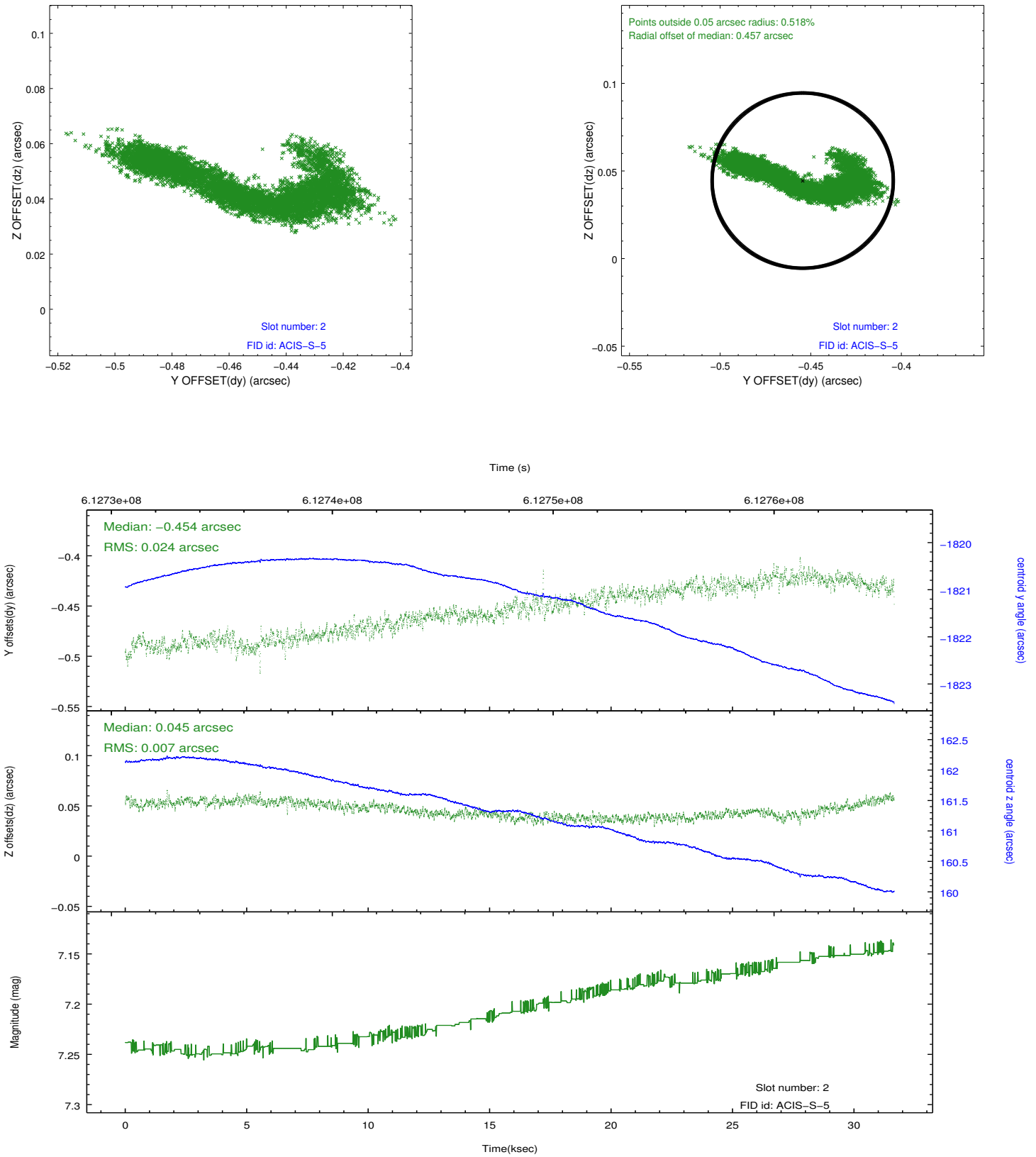
2.5.1 Slot 0



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)	2017.06.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.58280024302

A.2 Comments

Joint proposal with HST.