

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9781 - L2 Version 2
Chandra X-Ray Center

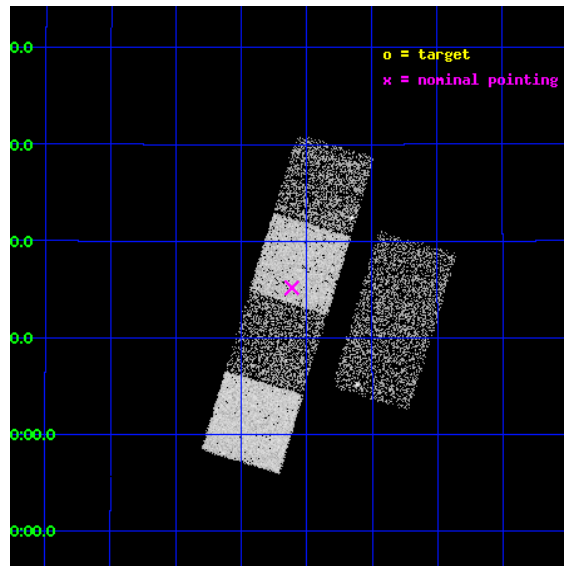
L2 Processing Date : May 7 2012

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1 Front

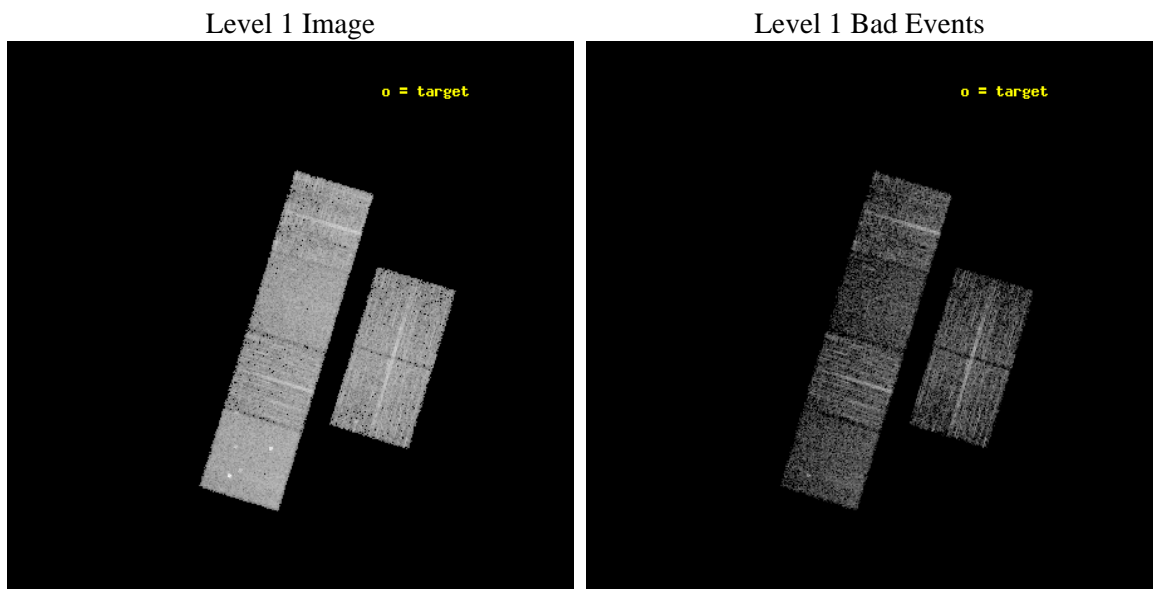
seq_num	100070	Sequence number
obs_id	9781	Observation id
title	High Resolution Imaging and Spectroscopy of 8P/Tuttle	Proposal tit
observer	Dr Damian Christian	Principal investigator
object	8P/Tuttle (2008)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.054167	Observer's specified target RA [deg]
dec_targ	26.219722	Observer's specified target Dec [deg]
ra_nom	24.403338215575	Nominal RA [deg]
dec_nom	24.25308309704	Nominal Dec [deg]
roll_nom	286.9655118746	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3187.1999881864	Sum of GTIs [s]
livetime	3146.8417428345	Livetime [s]
ontime2	3187.1999881864	Sum of GTIs [s]
ontime3	3187.1999881864	Sum of GTIs [s]
ontime5	3187.1999881864	Sum of GTIs [s]
ontime6	3183.9589879513	Sum of GTIs [s]
ontime7	3187.1999881864	Sum of GTIs [s]
ontime8	3187.1999881864	Sum of GTIs [s]
l2events	39890	Number of level 2 events



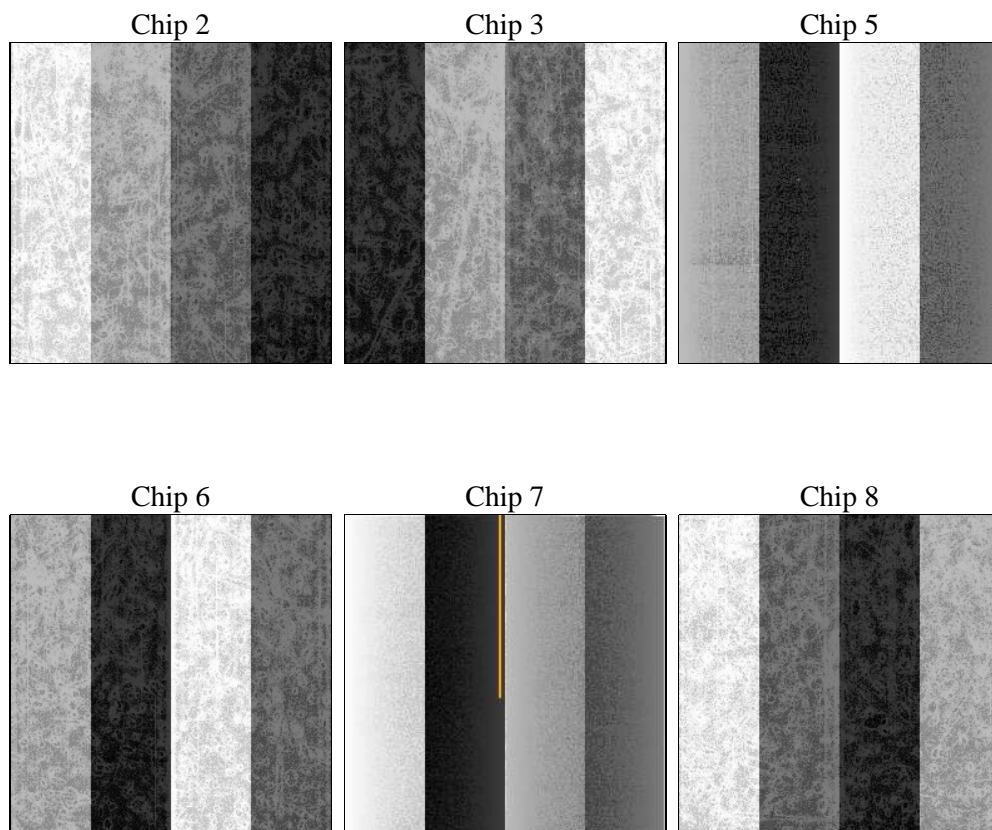
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3187.1999881864	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3187.1999881864	Sum of GTIs [s]
date	2012-05-07T14:11:59	Date and time of file creation	ontime3	3187.1999881864	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3187.1999881864	Sum of GTIs [s]
			ontime6	3183.9589879513	Sum of GTIs [s]
			ontime7	3187.1999881864	Sum of GTIs [s]
			ontime8	3187.1999881864	Sum of GTIs [s]
			l1events	197741	Number of level 1 events

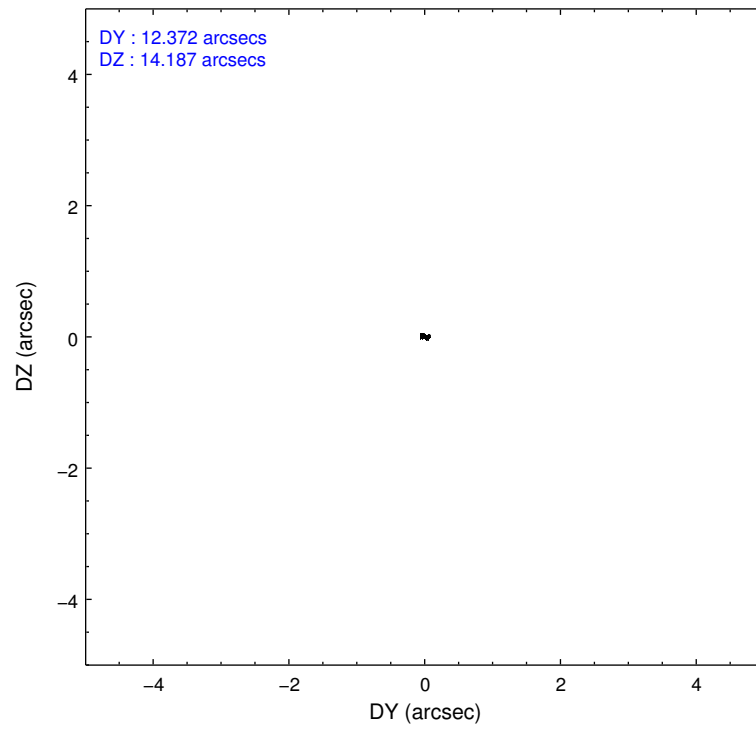
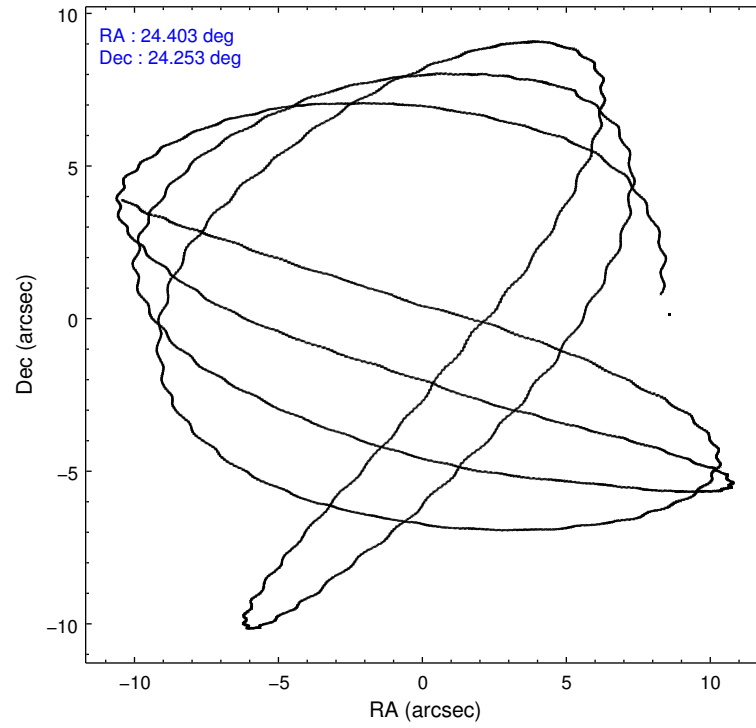
2.1.4 Events

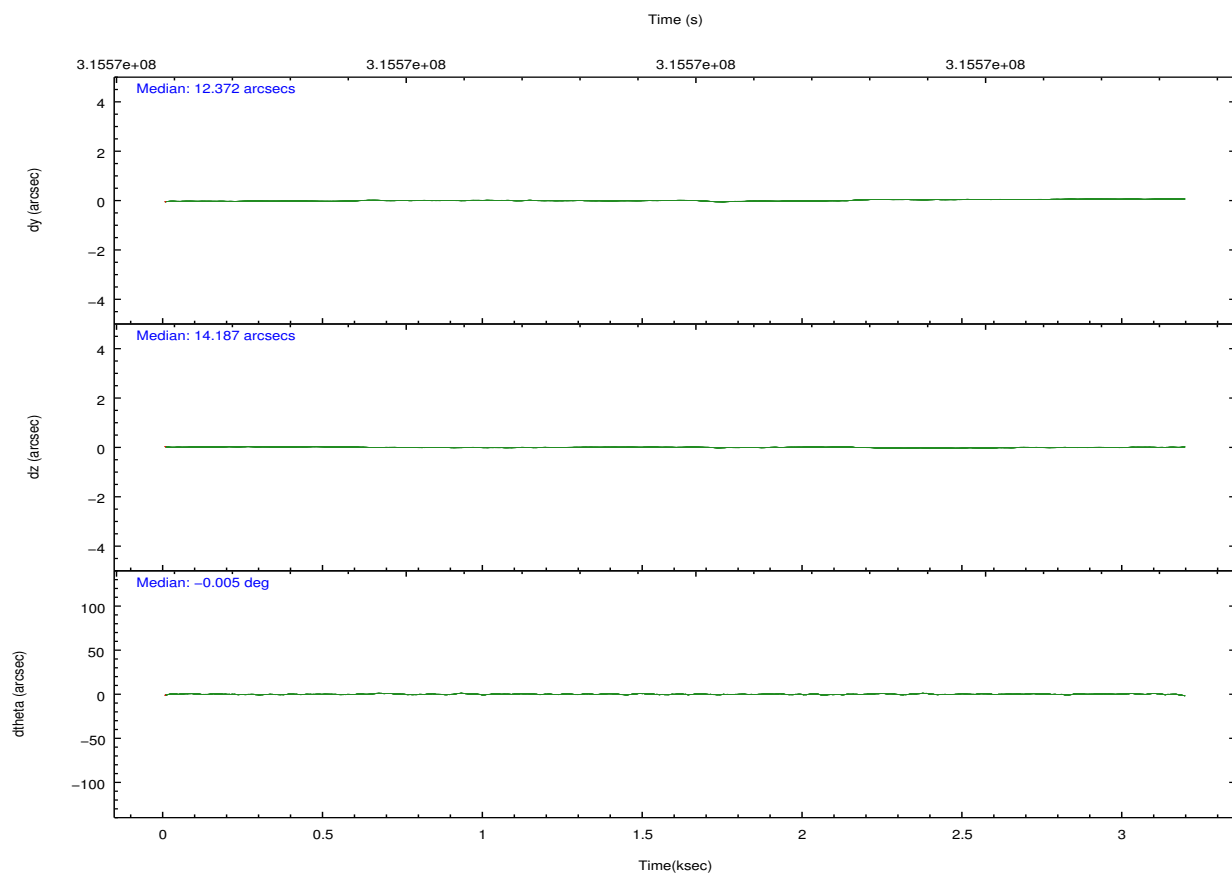
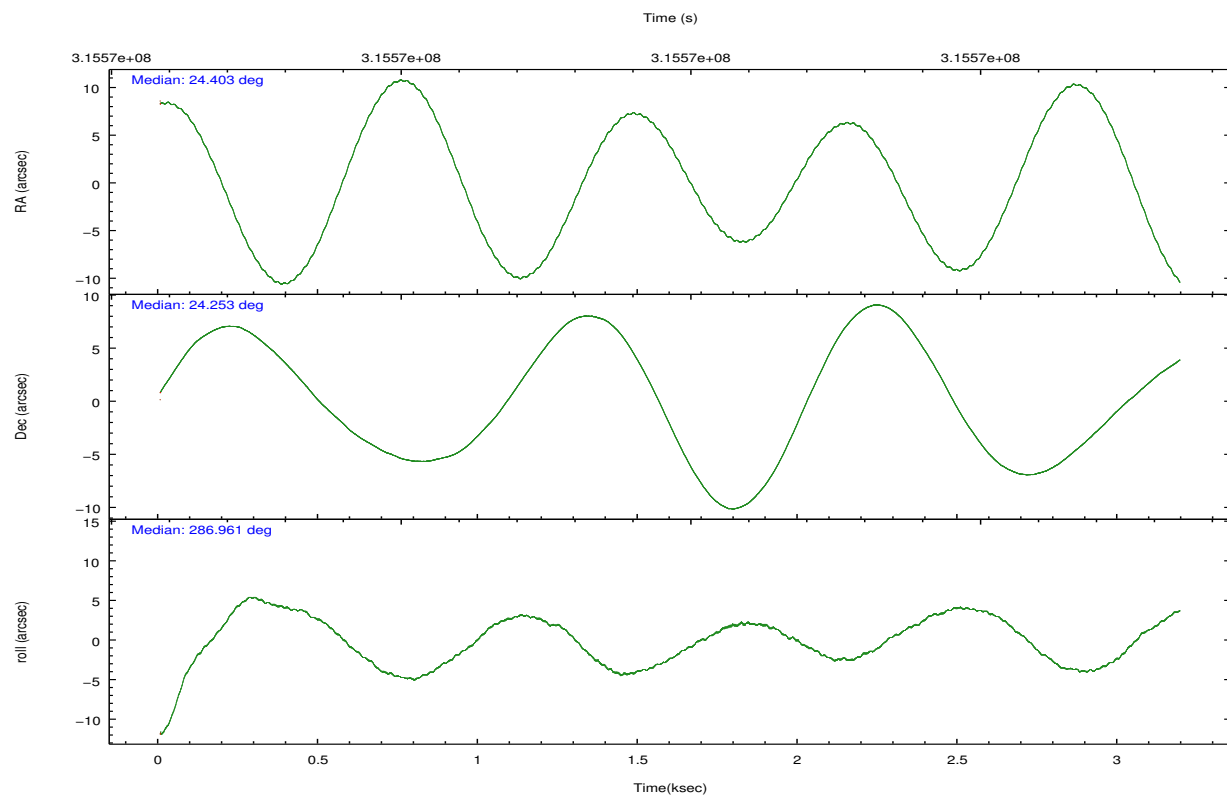
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30164	27280	41124	30499	32833	35841	grade 0 events	1117	914	2938	1111	1830	2588
rejected events	27467	24861	21951	27626	19135	27949		3%	3%	7%	3%	5%	7%
rejected %	91%	91%	53%	90%	58%	77%	grade 1 events	9	18	166	11	43	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	765	596	6141	693	3130	2052
								2%	2%	14%	2%	9%	5%
							grade 3 events	296	313	864	370	1318	847
								0%	1%	2%	1%	4%	2%
							grade 4 events	303	289	798	330	1402	785
								1%	1%	1%	1%	4%	2%
							grade 5 events	980	1075	3075	1173	3367	1654
								3%	3%	7%	3%	10%	4%
							grade 6 events	494	570	10358	664	7475	2325
								1%	2%	25%	2%	22%	6%
							grade 7 events	26200	23505	16784	26147	14268	25564
								86%	86%	40%	85%	43%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	24.381058	24.40333821557537	Subarray requested	NONE	NONE
[deg] Pointing Dec	24.271387	24.25308309704035	Alternating exposures requested	N	N
[deg] Pointing Roll	286.818034	286.9655118746033	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	314928065.184000	314928065.184000			
[s] Window stop time (MET)	316828805.184000	316828805.184000			
[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)	315571527.184000	315571151.00474			
Observation start date	2008-01-01T10:44:22	2008-01-01T10:39:11			
[s] Observation end time (MET)	315574527.184000	315574660.60491			
Observation end date	2008-01-01T11:34:22	2008-01-01T11:37:40			
Read mode	TIMED	TIMED			

2.3 Aspect



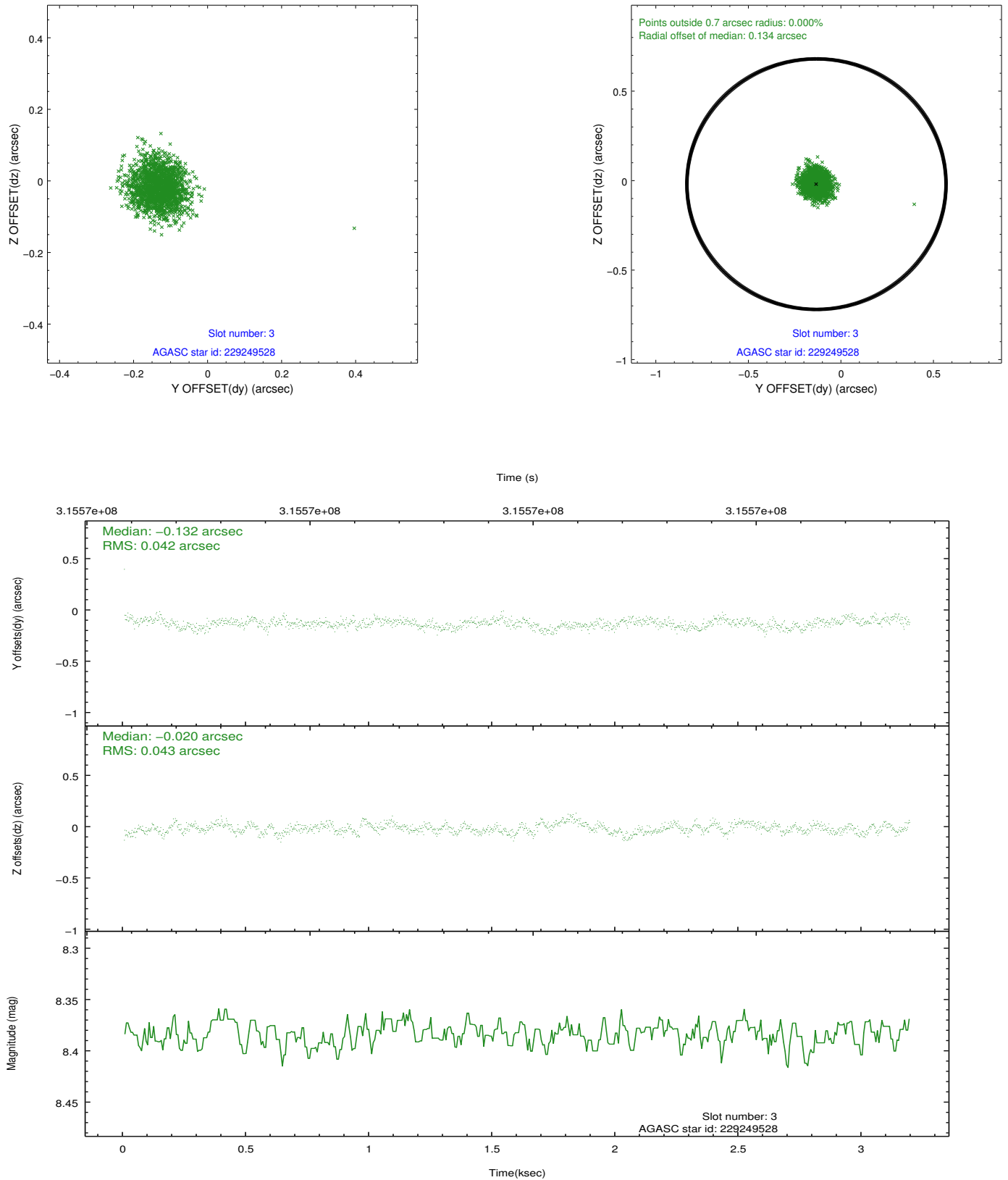


Slot Statistics

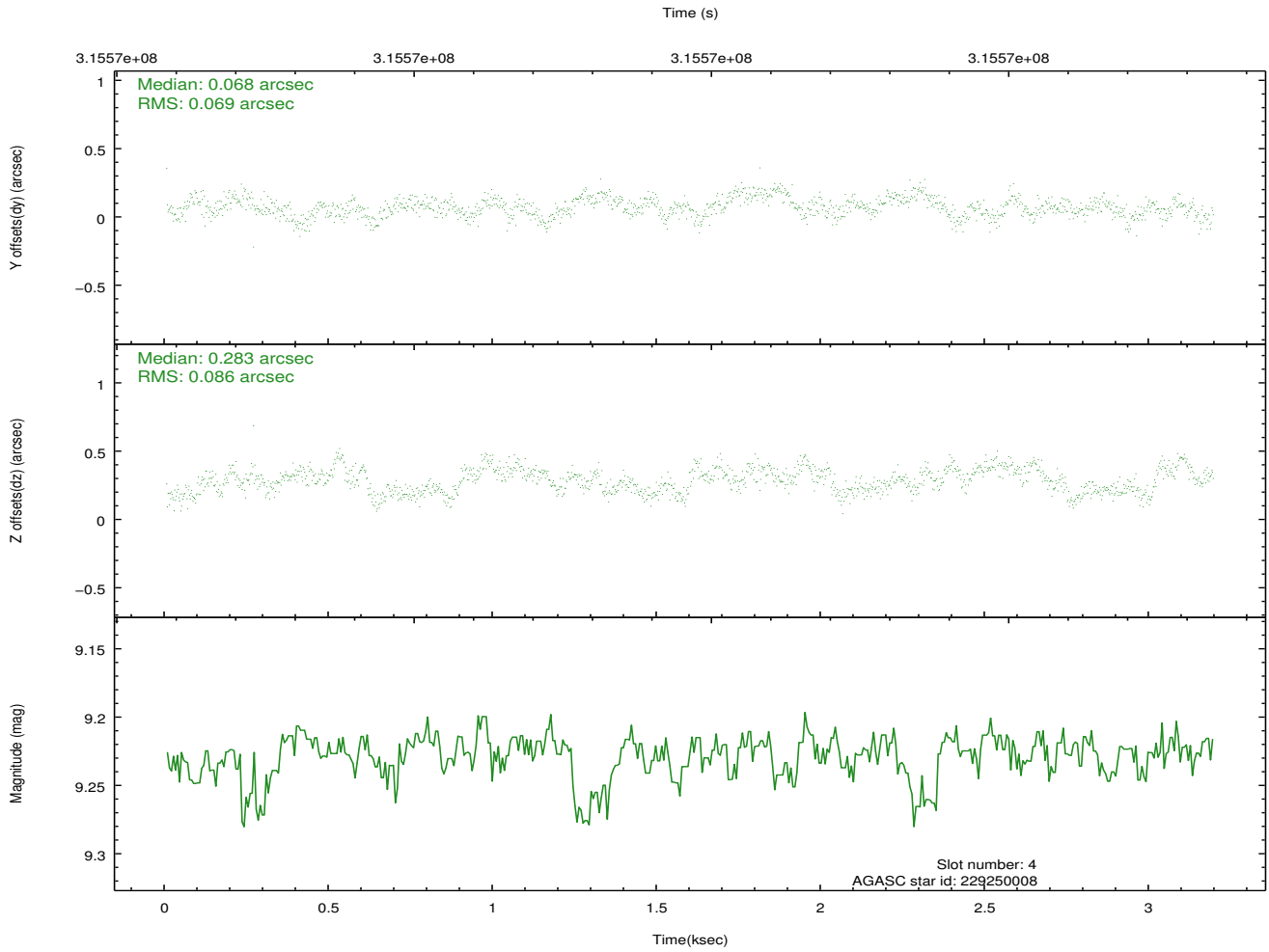
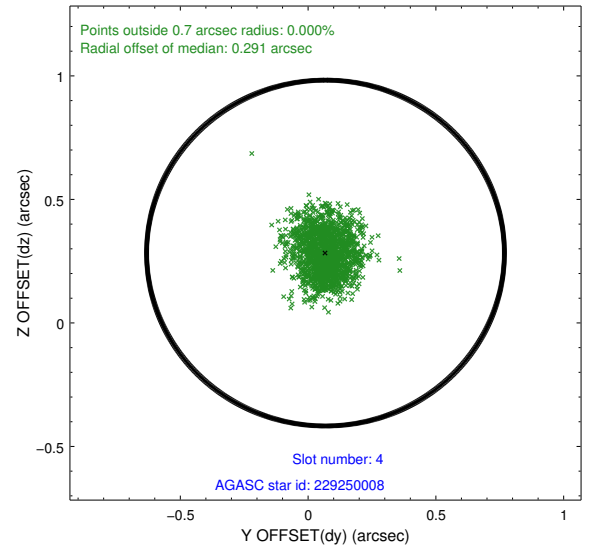
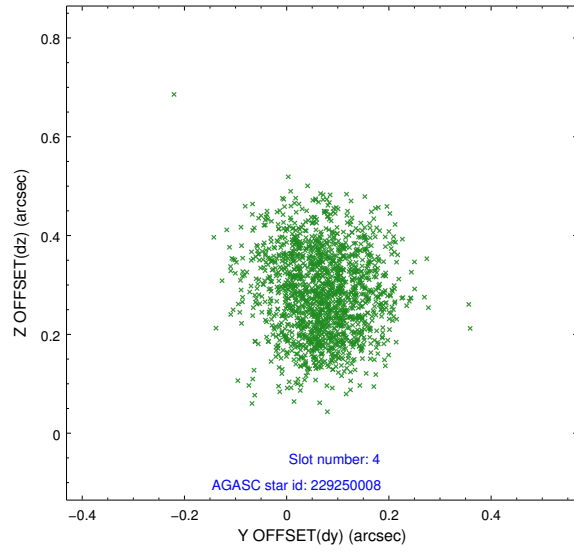
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	779	-0.042	-0.042	0.007	0.011	0.000000	0.000000	-765.30	-1735.59
1	FID	ACIS-S-4	7.19	779	0.138	0.032	0.005	0.010	0.000000	0.000000	2147.23	170.92
2	FID	ACIS-S-5	7.22	779	-0.126	0.019	0.006	0.011	0.000000	0.000000	-1815.69	166.81
3	GUIDE	229249528	8.38	1557	-0.132	-0.020	0.063	0.100	24.395659	24.629567	-1220.06	418.53
4	GUIDE	229250008	9.23	1557	0.068	0.283	0.118	0.186	24.918884	24.309304	376.21	1729.90
5	GUIDE	229252392	8.71	1554	0.070	-0.053	0.091	0.141	24.062418	24.367790	-634.84	-898.67
6	GUIDE	229255600	8.41	1556	-0.039	-0.167	0.065	0.102	24.102689	24.216856	-77.31	-932.33
7	GUIDE	229260264	8.15	1555	0.037	-0.036	0.053	0.087	24.999207	23.744859	2399.85	1402.15

2.4 Star Slots

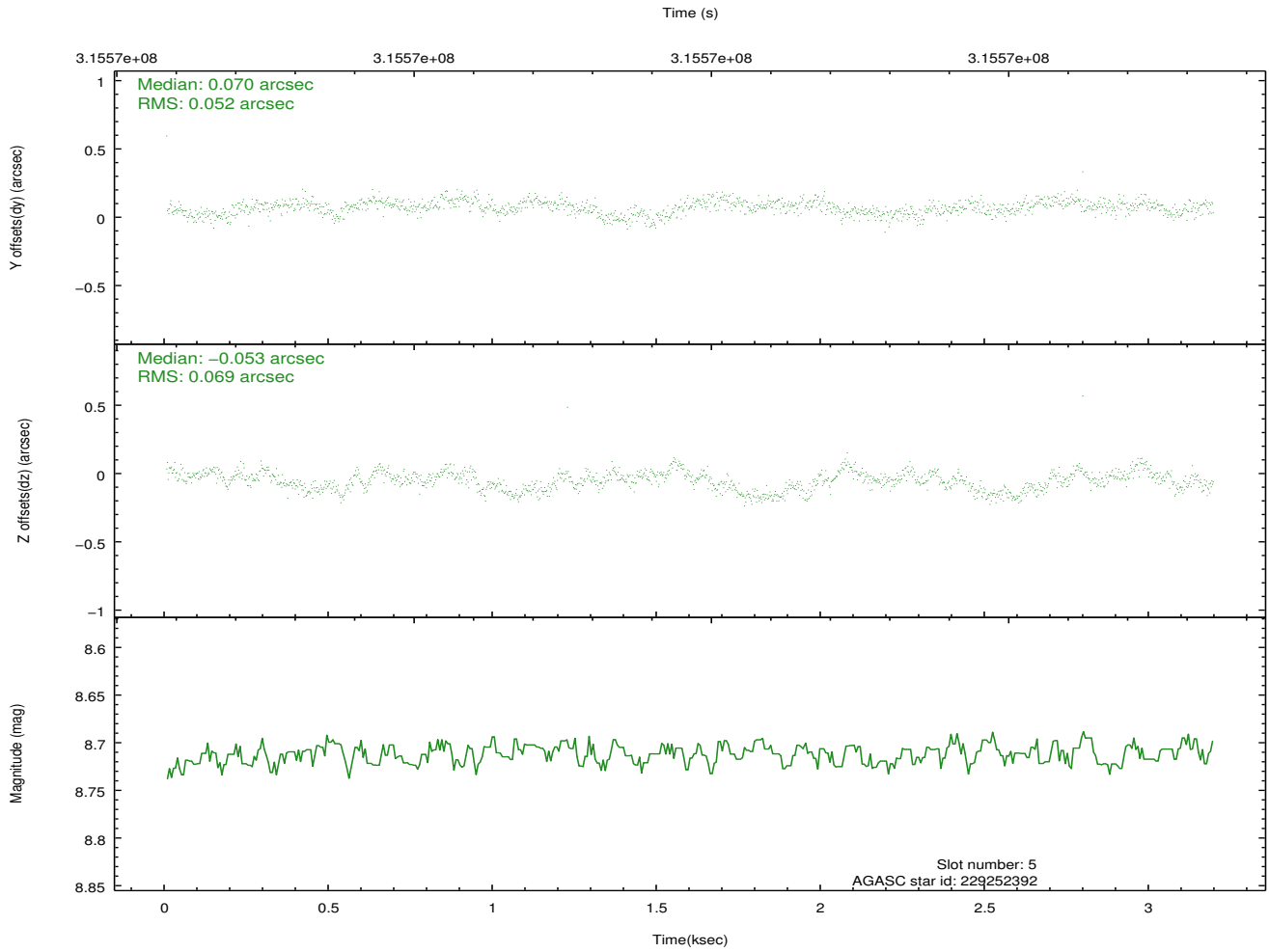
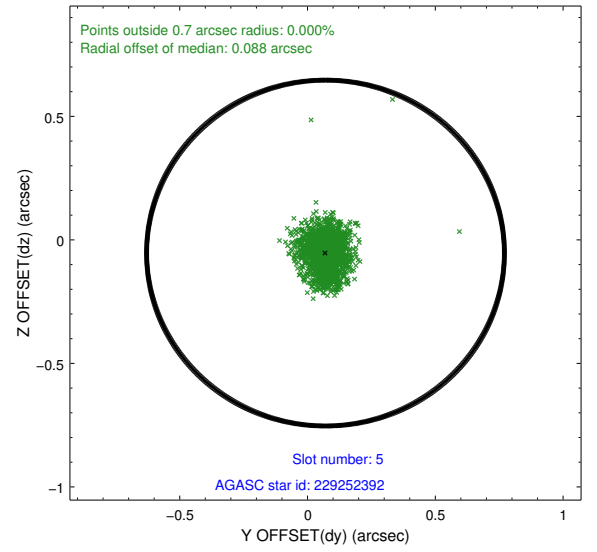
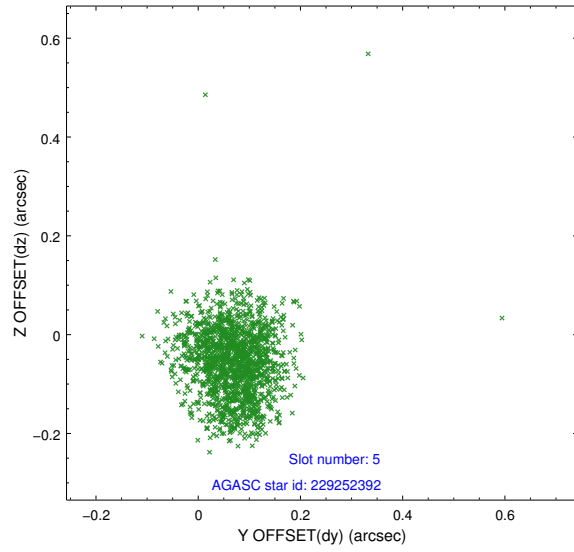
2.4.1 Slot 3



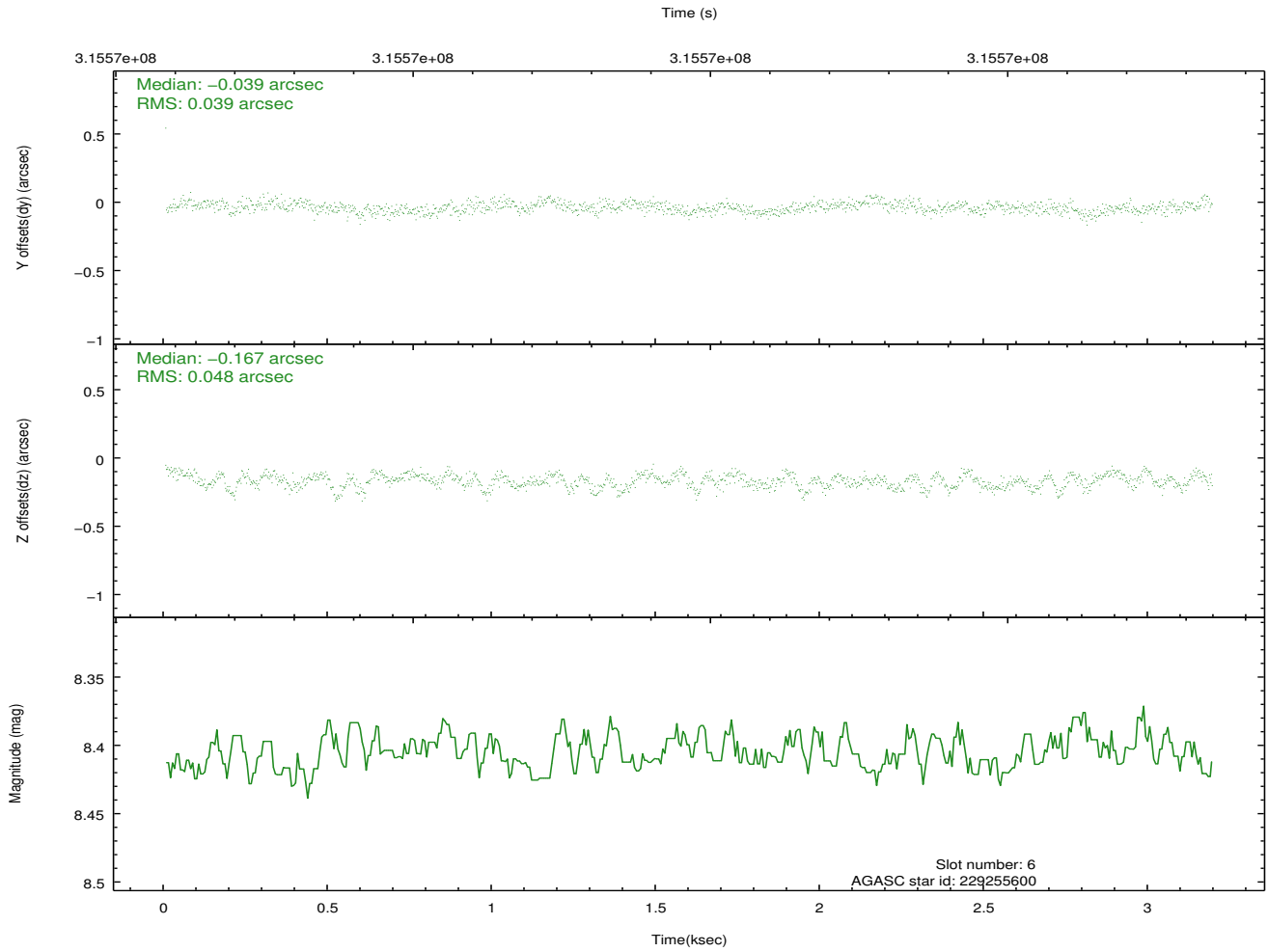
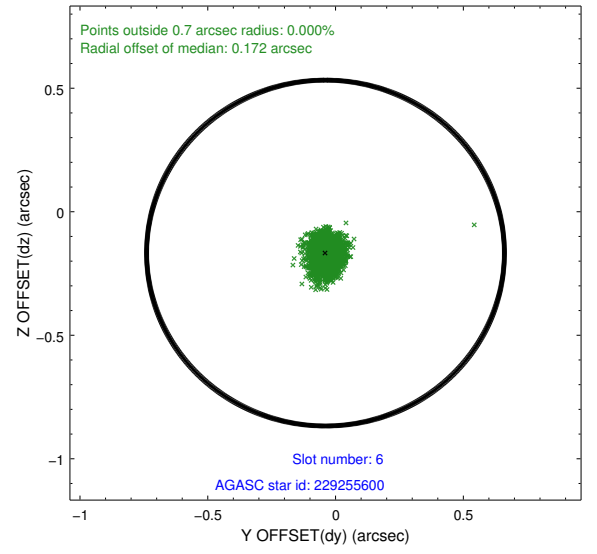
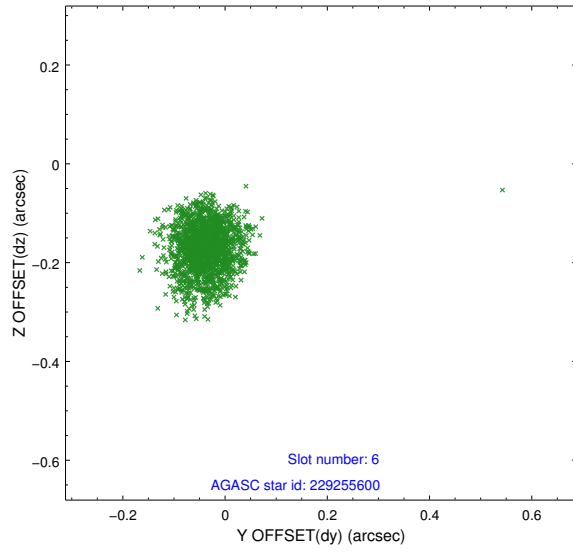
2.4.2 Slot 4



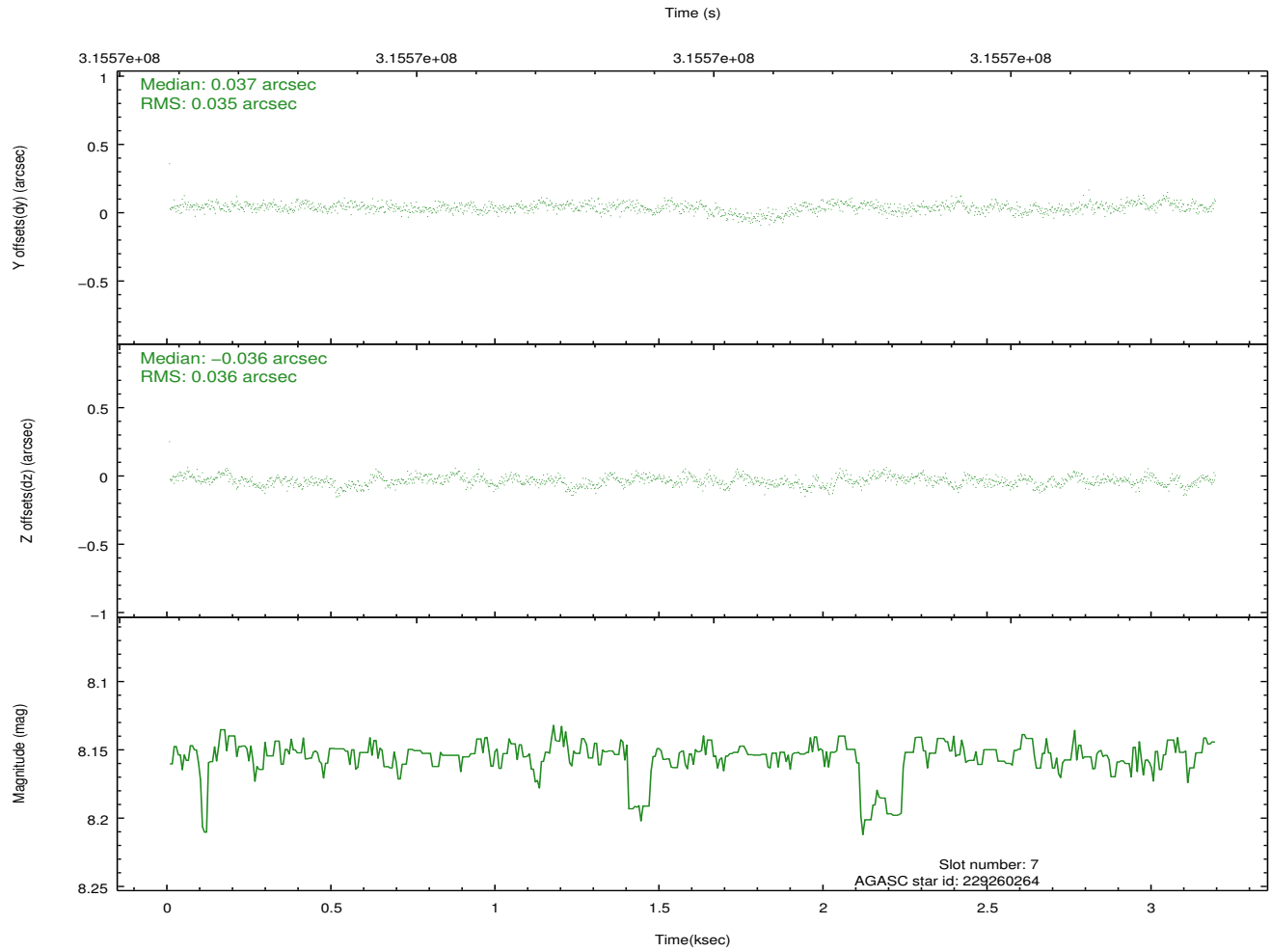
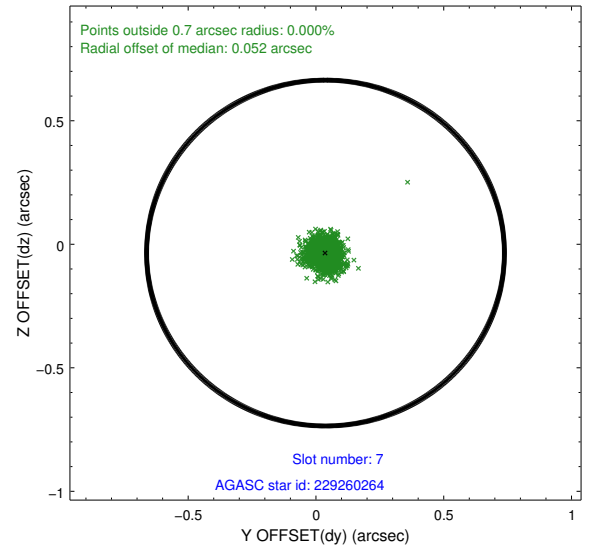
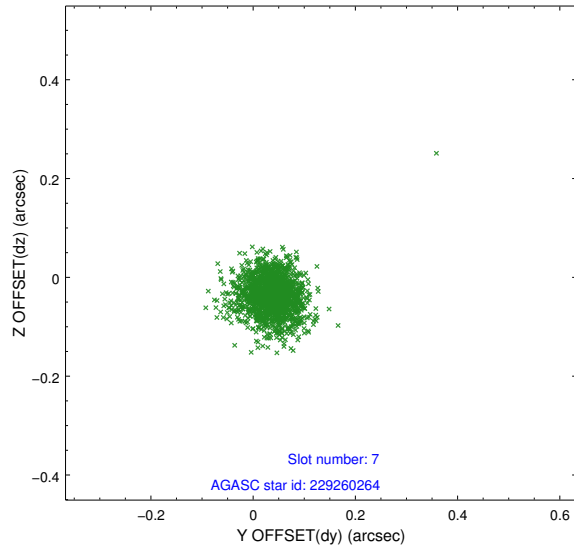
2.4.3 Slot 5



2.4.4 Slot 6

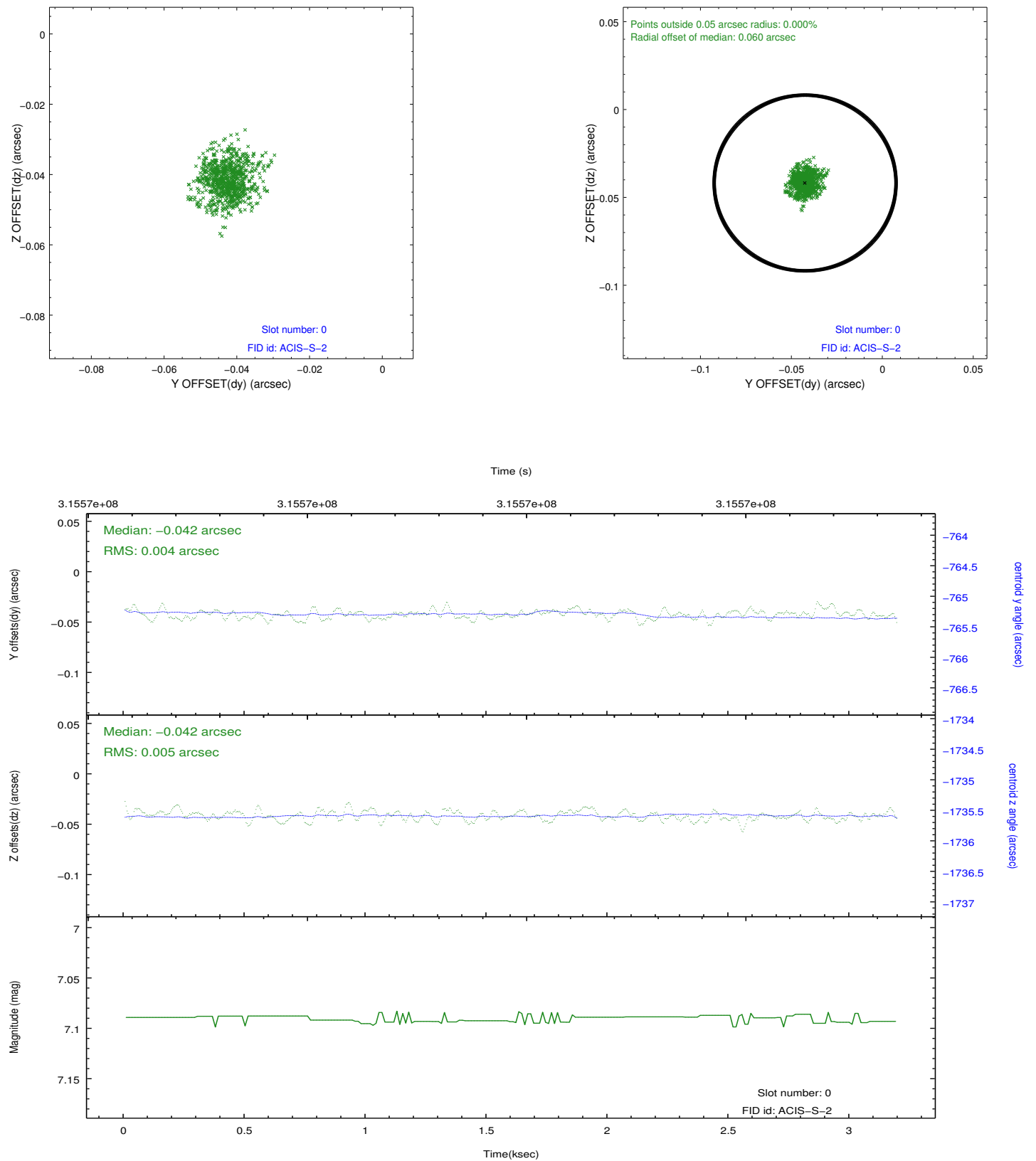


2.4.5 Slot 7

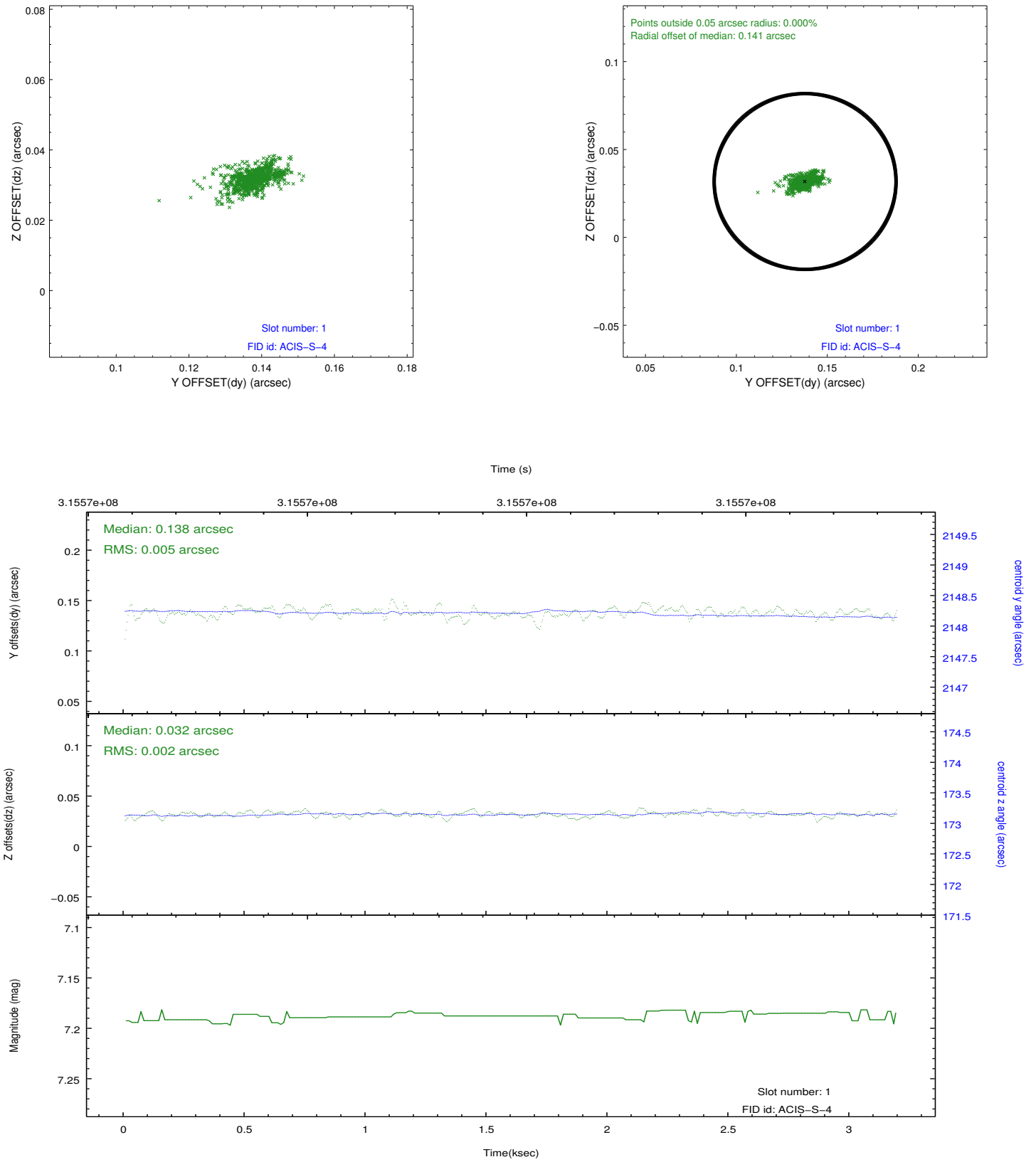


2.5 FID Slots

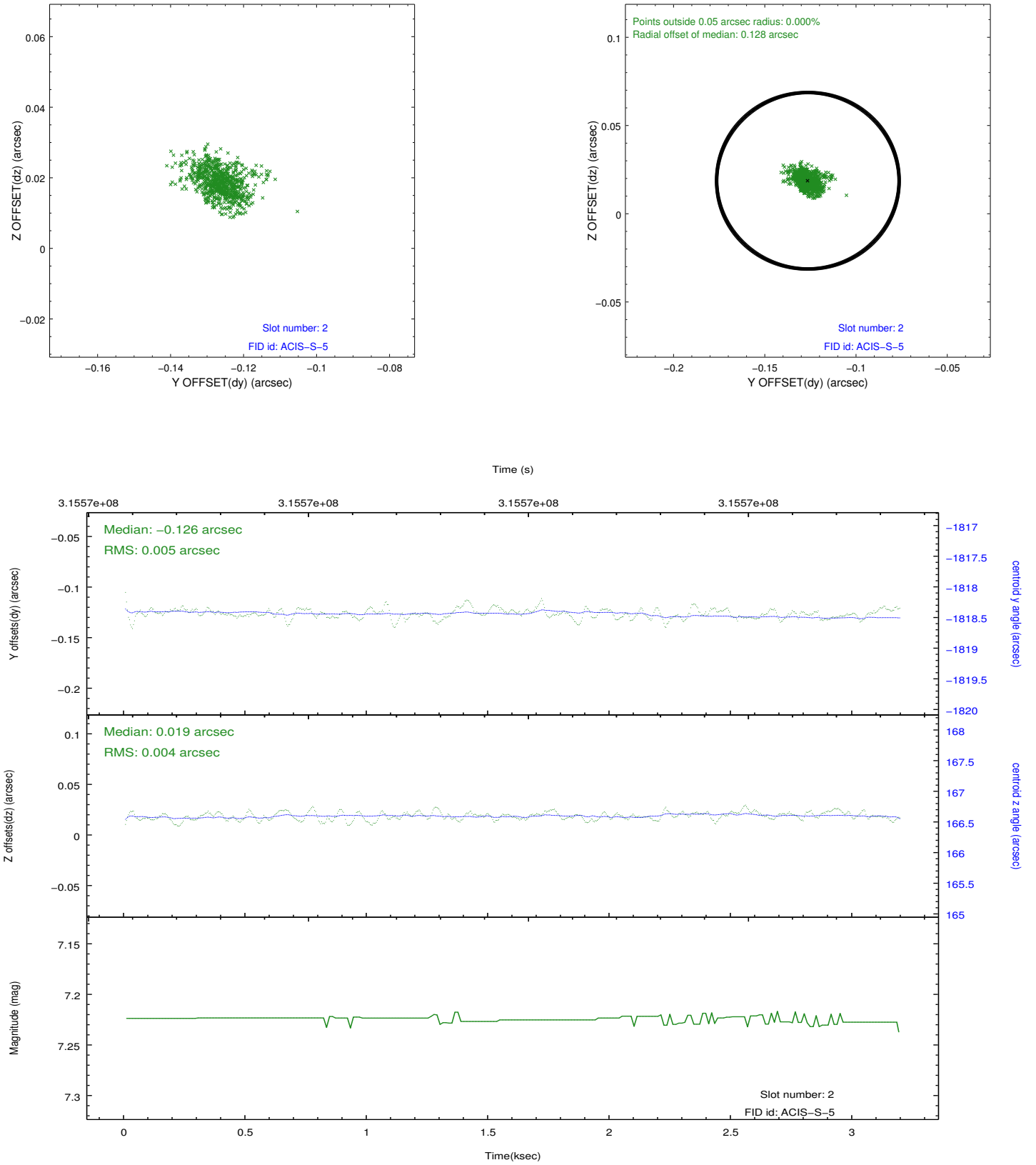
2.5.1 Slot 0



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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.18719998

A.2 Comments

Window preference met.