

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9791 - L2 Version 2
Chandra X-Ray Center

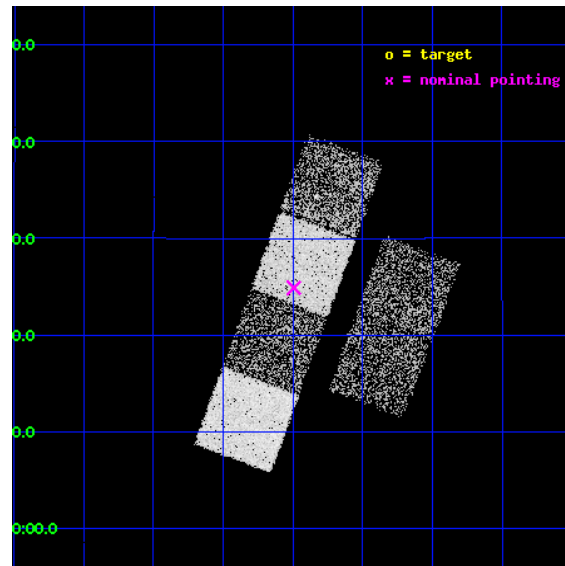
L2 Processing Date : May 7 2012

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1 Front

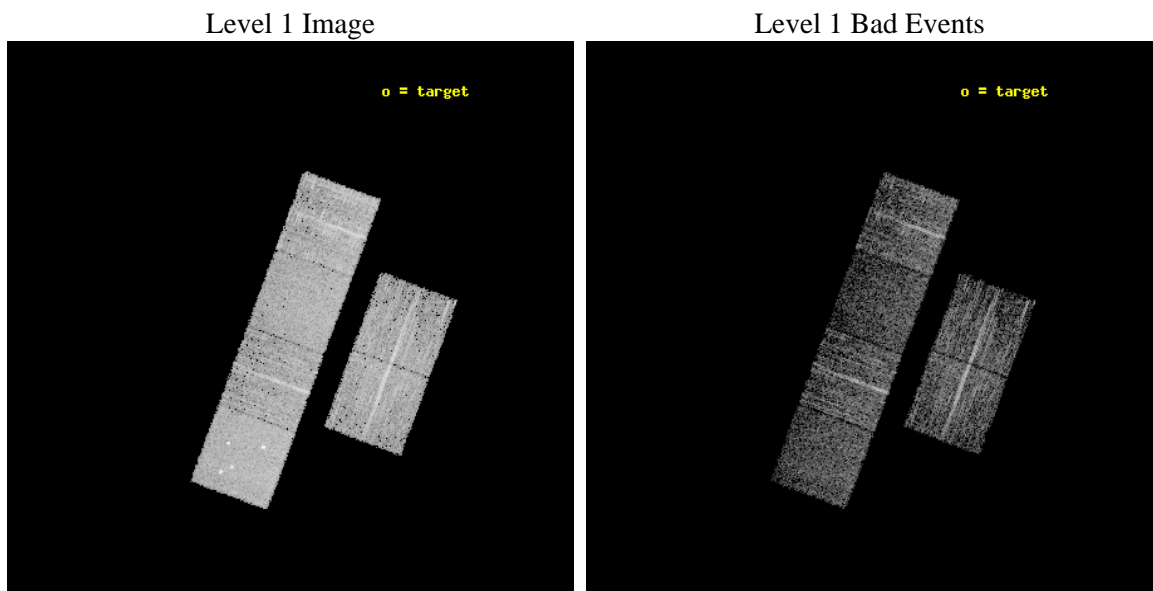
seq_num	100070	Sequence number
obs_id	9791	Observation id
title	High Resolution Imaging and Spectroscopy of 8P/Tuttle	Proposal tit
observer	Dr Damian Christian	Principal investigator
object	8P/Tuttle (2008)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.054167	Observer's specified target RA [deg]
dec_targ	26.219722	Observer's specified target Dec [deg]
ra_nom	26.748209030315	Nominal RA [deg]
dec_nom	13.414811547182	Nominal Dec [deg]
roll_nom	290.32945014978	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3183.9999881983	Sum of GTIs [s]
livetime	3143.6822631731	Livetime [s]
ontime2	3183.9999881983	Sum of GTIs [s]
ontime3	3183.9999881983	Sum of GTIs [s]
ontime5	3183.9999881983	Sum of GTIs [s]
ontime6	3183.9999881983	Sum of GTIs [s]
ontime7	3183.9999881983	Sum of GTIs [s]
ontime8	3183.9999881983	Sum of GTIs [s]
l2events	40450	Number of level 2 events



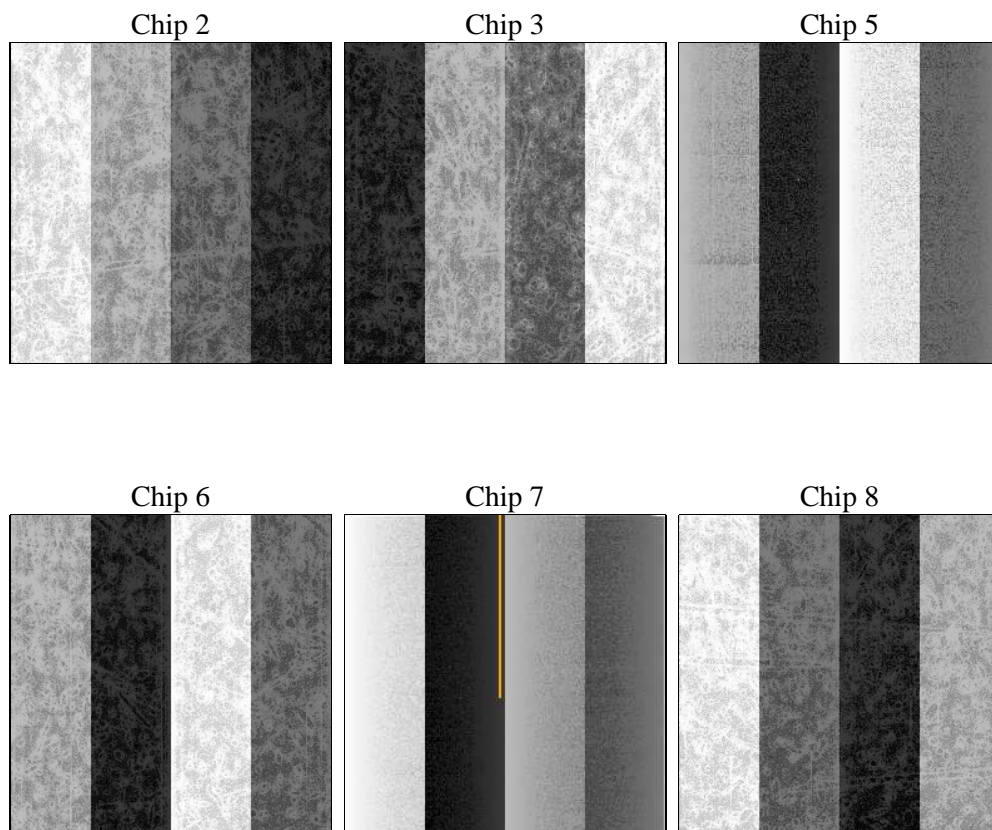
2 OBI

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	3183.9999881983	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3183.9999881983	Sum of GTIs [s]
date	2012-05-07T14:35:43	Date and time of file creation	ontime3	3183.9999881983	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3183.9999881983	Sum of GTIs [s]
			ontime6	3183.9999881983	Sum of GTIs [s]
			ontime7	3183.9999881983	Sum of GTIs [s]
			ontime8	3183.9999881983	Sum of GTIs [s]
			l1events	201497	Number of level 1 events

2.1.4 Events

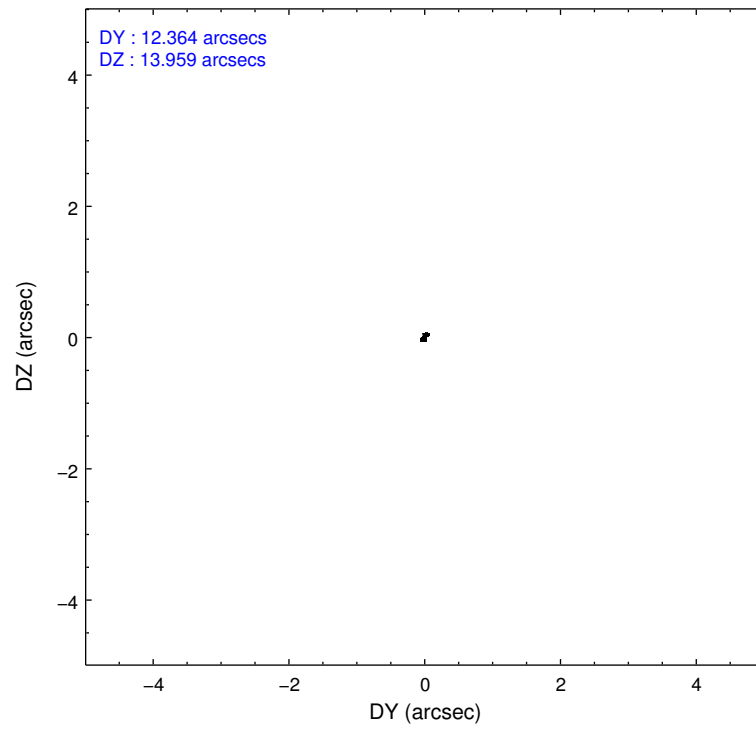
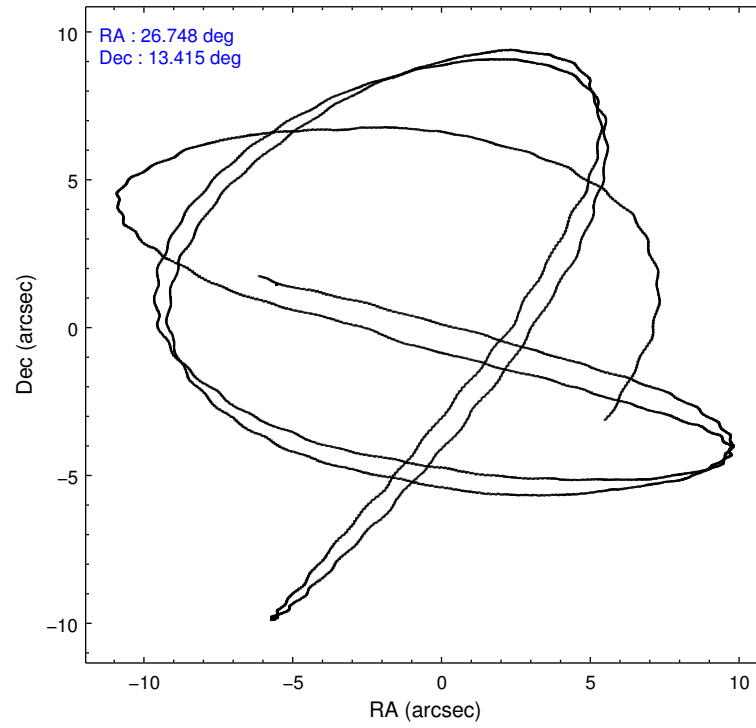
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30497	28460	41672	30214	32938	37716	grade 0 events	993	928	2809	1005	1499	2730
rejected events	27924	26004	22431	27514	19168	29291		3%	3%	6%	3%	4%	7%
rejected %	91%	91%	53%	91%	58%	77%	grade 1 events	15	11	92	14	35	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	684	582	5959	697	3088	2143
								2%	2%	14%	2%	9%	5%
							grade 3 events	304	292	879	291	1332	926
								0%	1%	2%	0%	4%	2%
							grade 4 events	342	304	810	316	1338	907
								1%	1%	1%	1%	4%	2%
							grade 5 events	986	1180	3189	1207	3419	1693
								3%	4%	7%	3%	10%	4%
							grade 6 events	480	587	10774	669	7920	2506
								1%	2%	25%	2%	24%	6%
							grade 7 events	26693	24576	17160	26015	14307	26774
								87%	86%	41%	86%	43%	70%

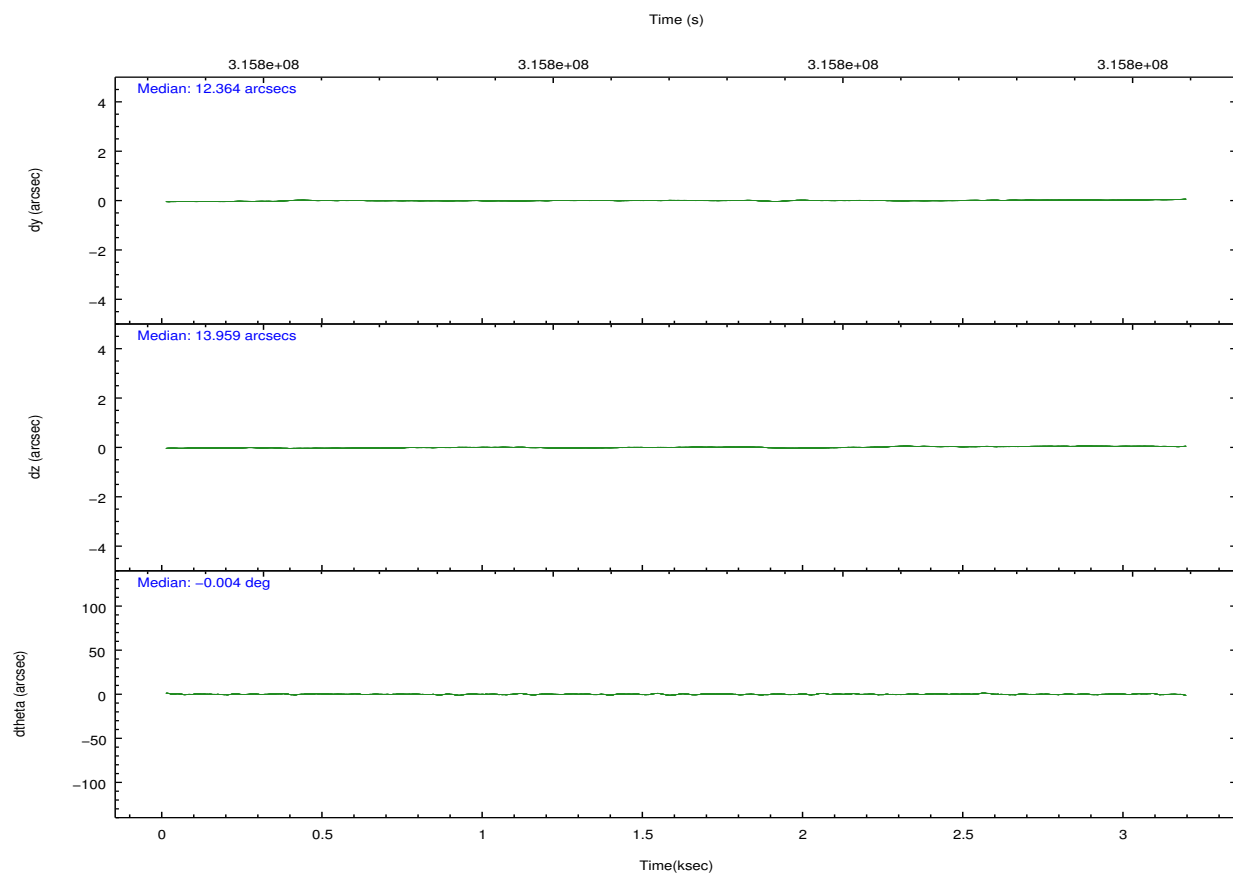
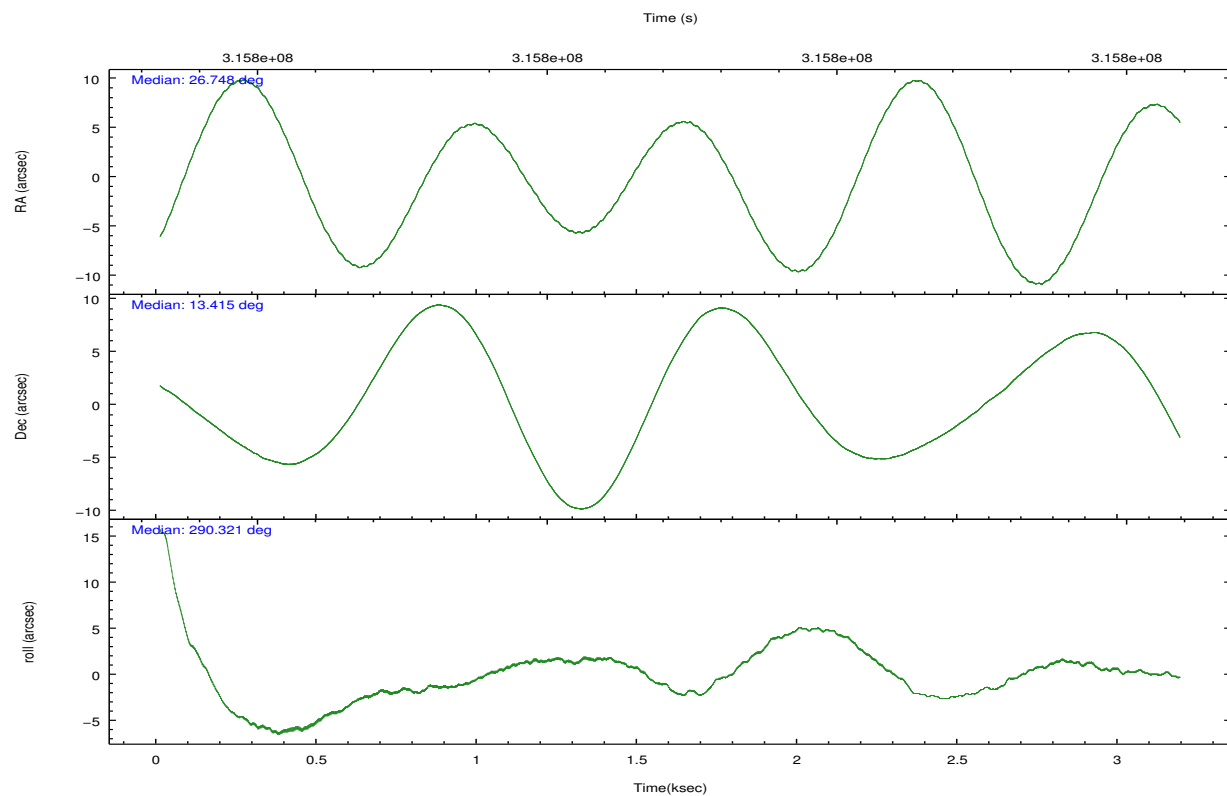
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	26.726171	26.74820903031453
[deg] Pointing Dec	13.431943	13.414811547182
[deg] Pointing Roll	290.177939	290.3294501497768
[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)	315802021.184000	315801644.8159
Observation start date	2008-01-04T02:45:56	2008-01-04T02:40:44
[s] Observation end time (MET)	315805021.184000	315805155.44107
Observation end date	2008-01-04T03:35:56	2008-01-04T03:39:15
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



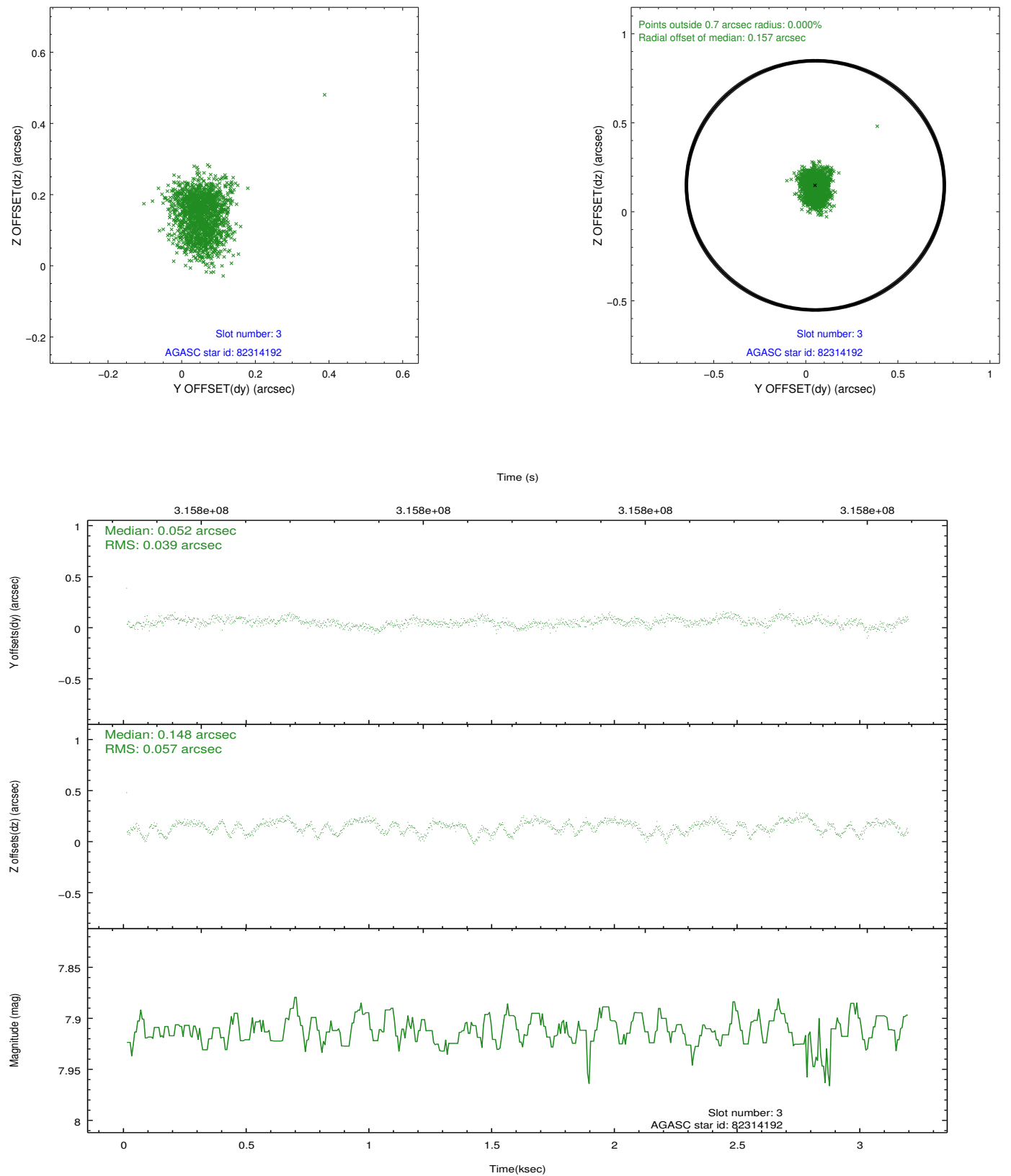


Slot Statistics

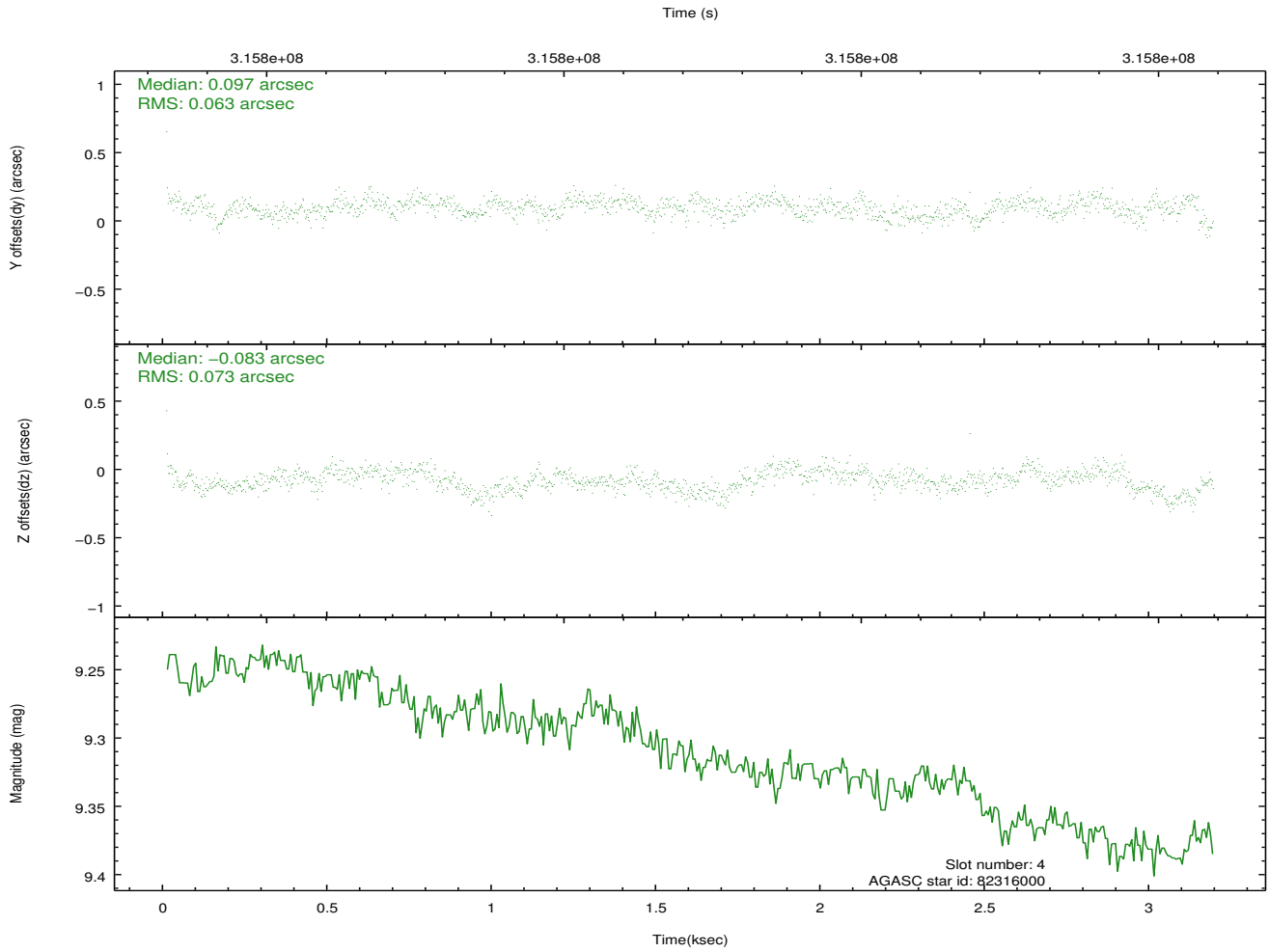
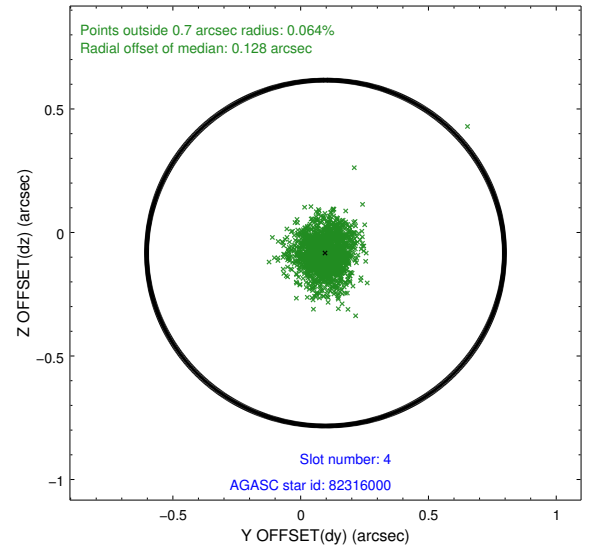
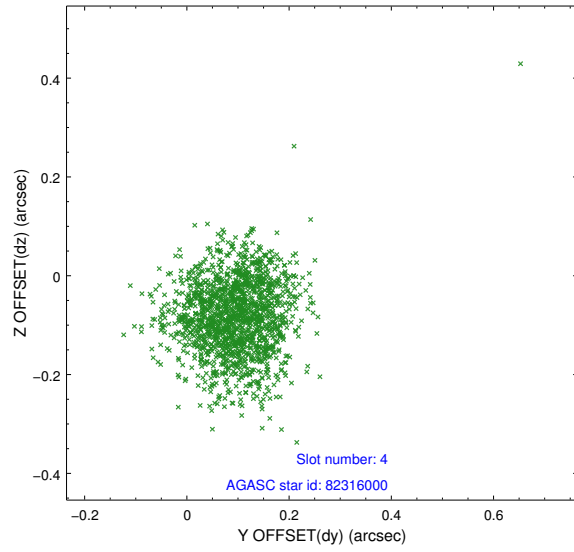
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	777	-0.034	-0.046	0.007	0.011	0.000000	0.000000	-765.28	-1735.37
1	FID	ACIS-S-4	7.19	777	0.135	0.029	0.005	0.009	0.000000	0.000000	2147.24	171.14
2	FID	ACIS-S-5	7.23	777	-0.132	0.026	0.006	0.011	0.000000	0.000000	-1815.67	167.06
3	GUIDE	82314192	7.91	1553	0.052	0.148	0.074	0.117	26.874650	12.975357	1722.71	-77.70
4	GUIDE	82316000	9.31	1554	0.097	-0.083	0.099	0.164	26.369210	12.906952	1343.09	-1827.70
5	GUIDE	82321656	9.09	1553	-0.157	0.111	0.127	0.194	27.163343	14.060984	-1598.56	2214.08
6	GUIDE	82323952	8.84	1553	0.153	-0.127	0.069	0.113	26.900745	13.189995	1027.88	274.80
7	GUIDE	82320864	9.60	1549	-0.149	-0.034	0.142	0.234	25.985283	13.465729	-1011.46	-2391.76

2.4 Star Slots

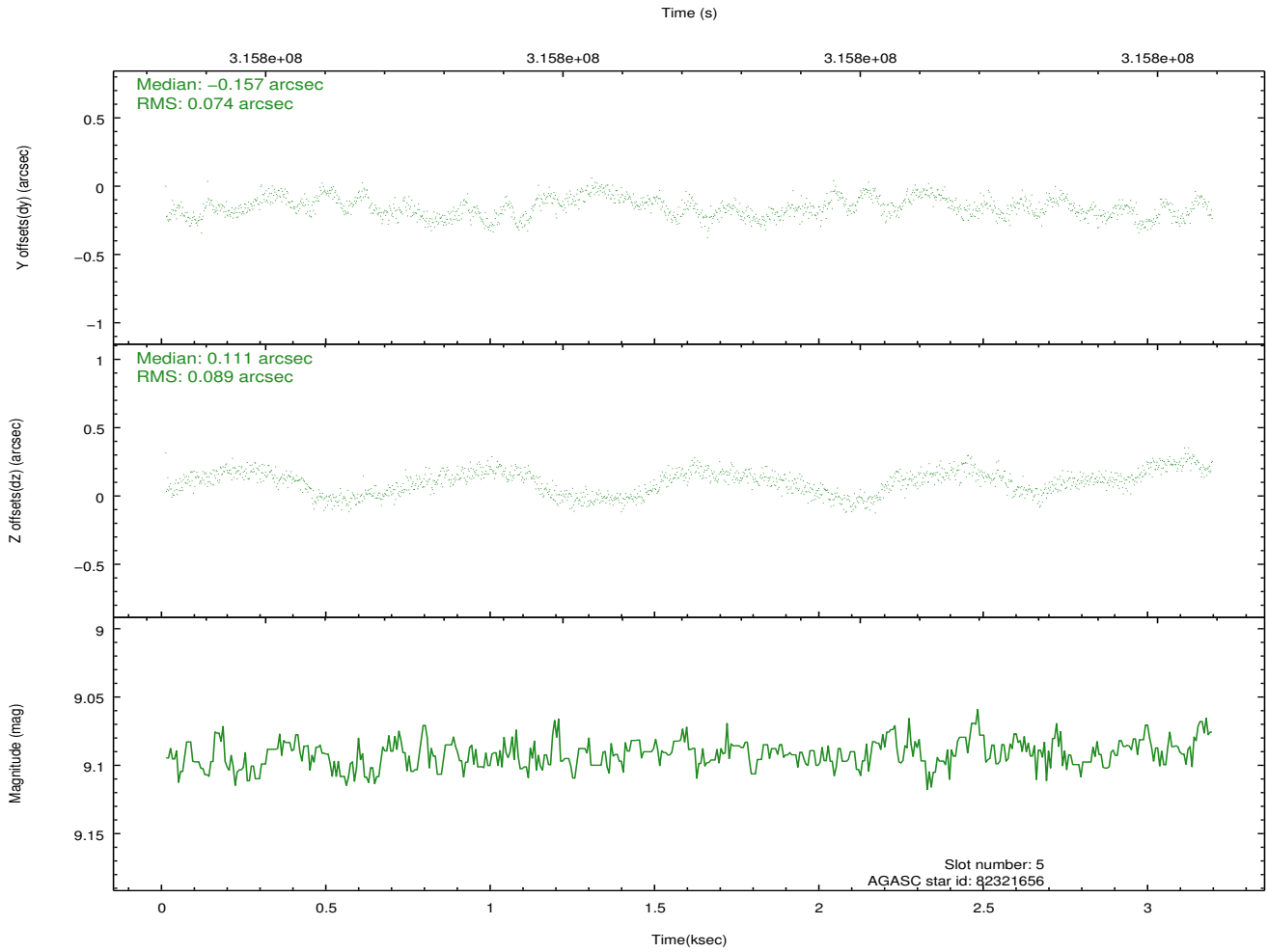
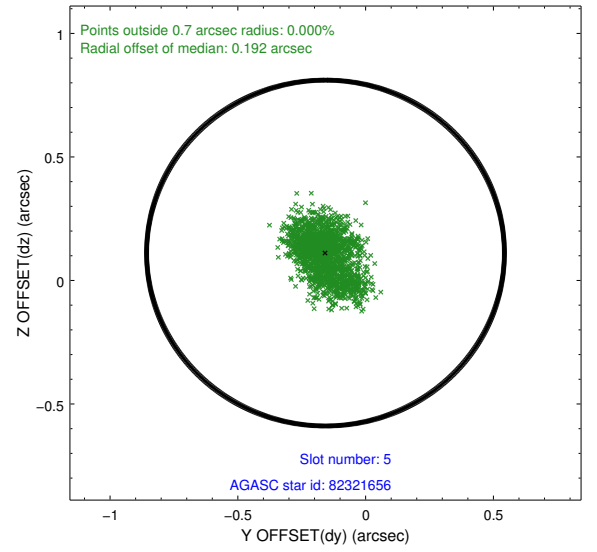
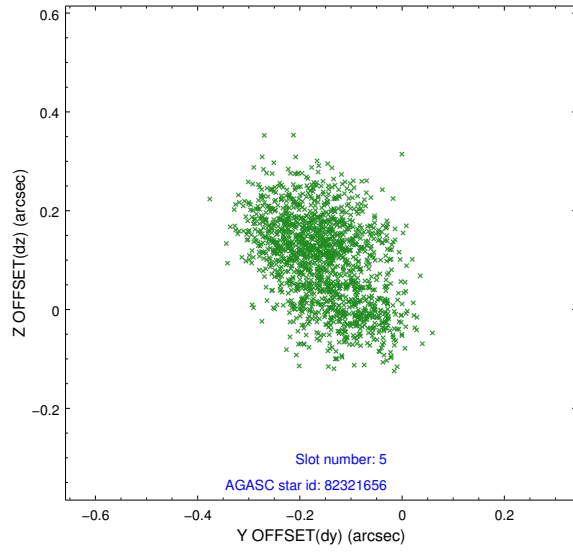
2.4.1 Slot 3



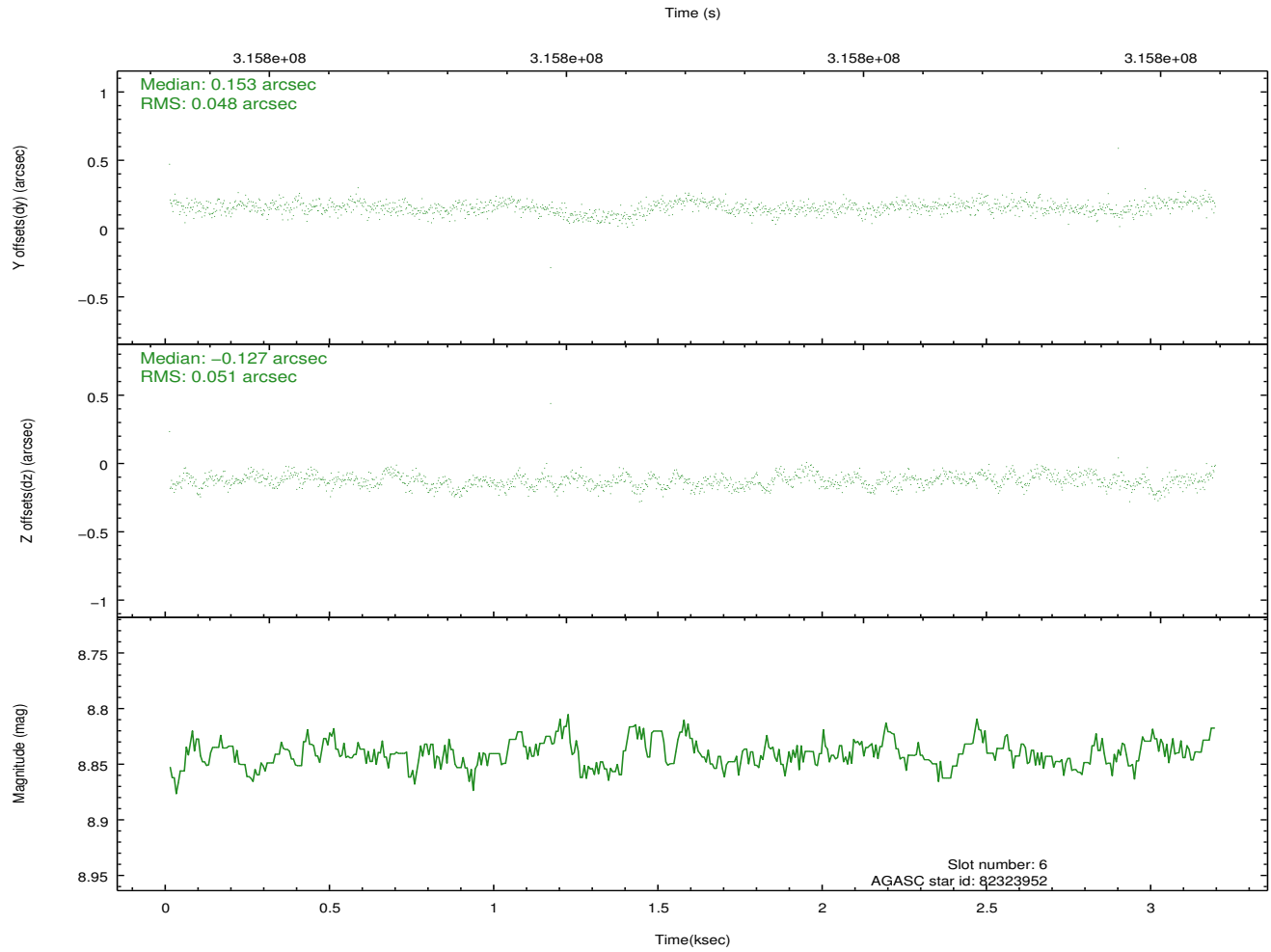
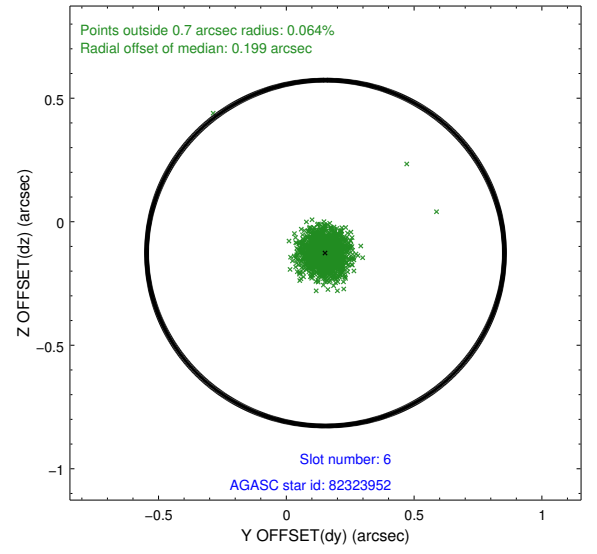
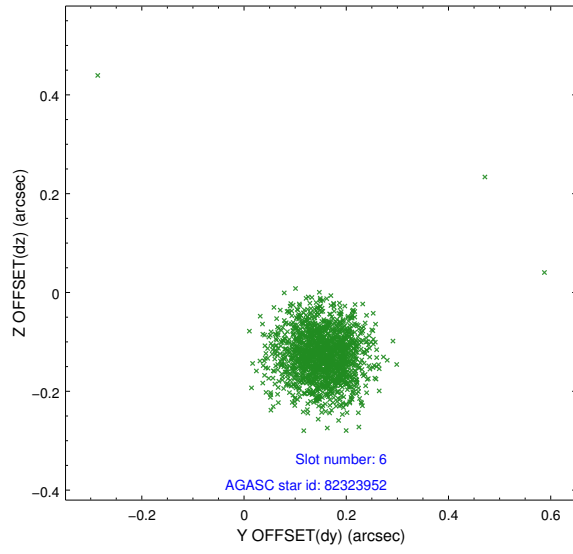
2.4.2 Slot 4



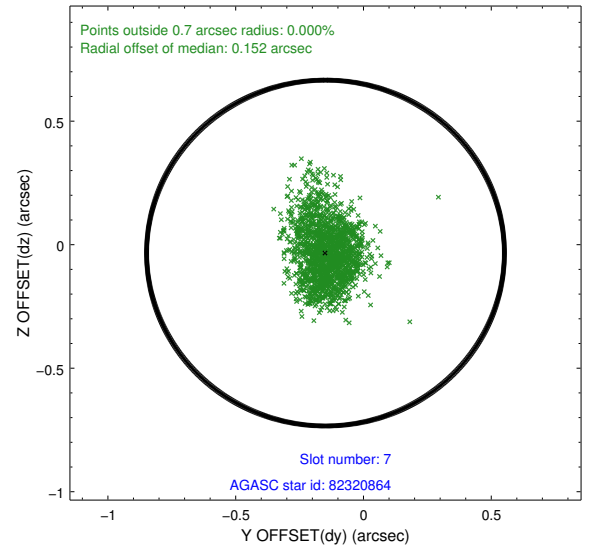
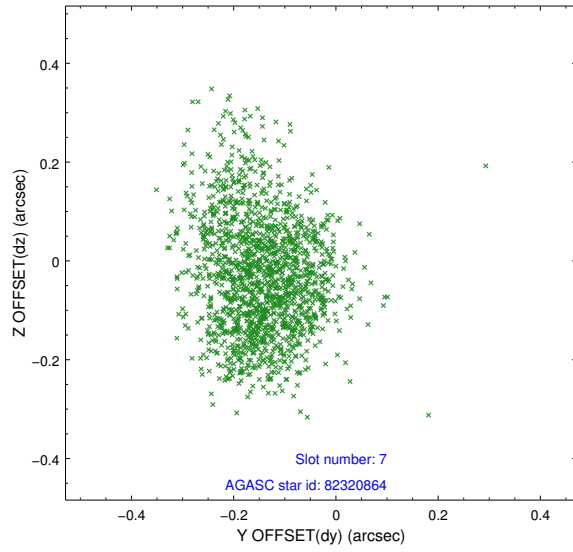
2.4.3 Slot 5



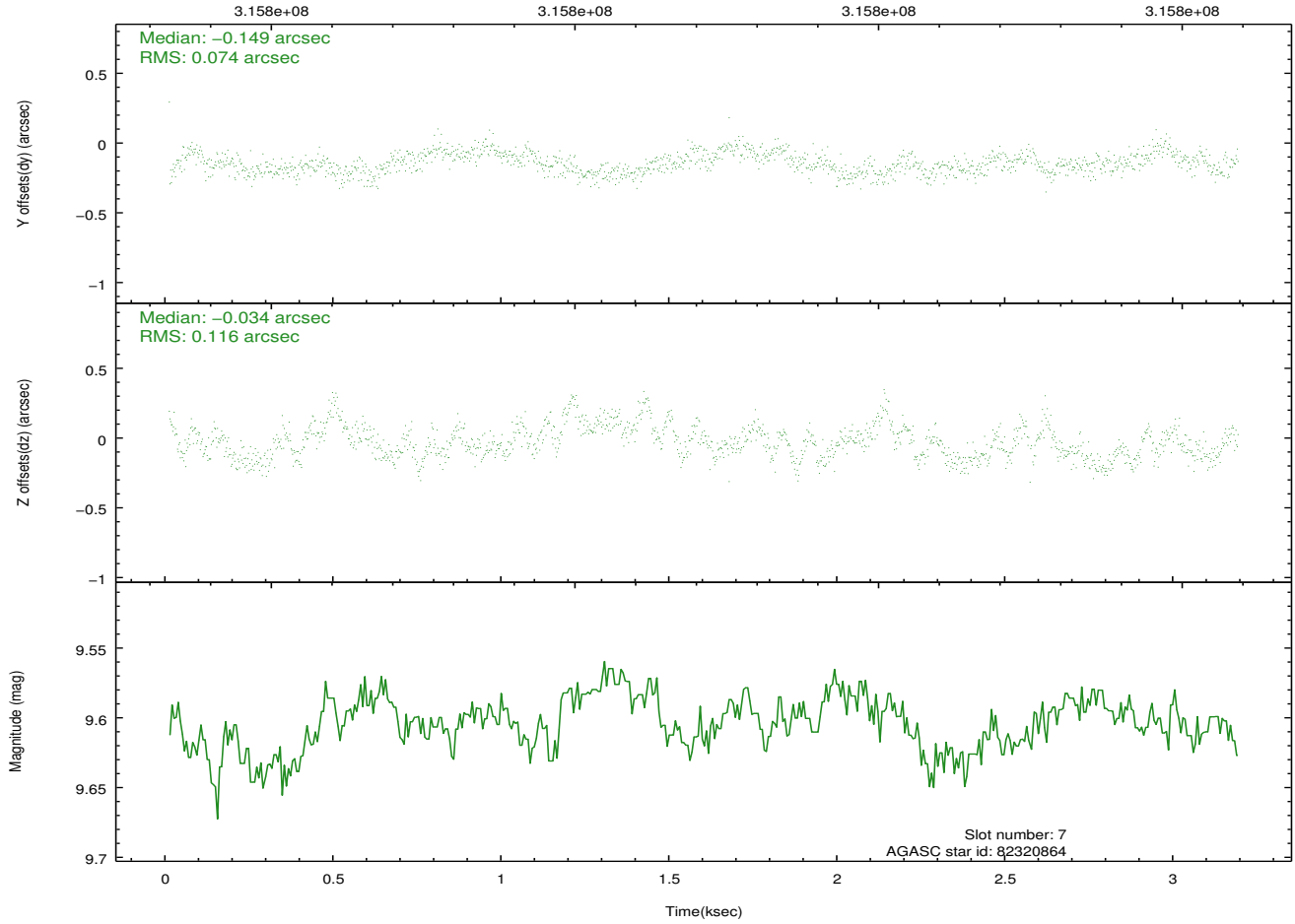
2.4.4 Slot 6



2.4.5 Slot 7

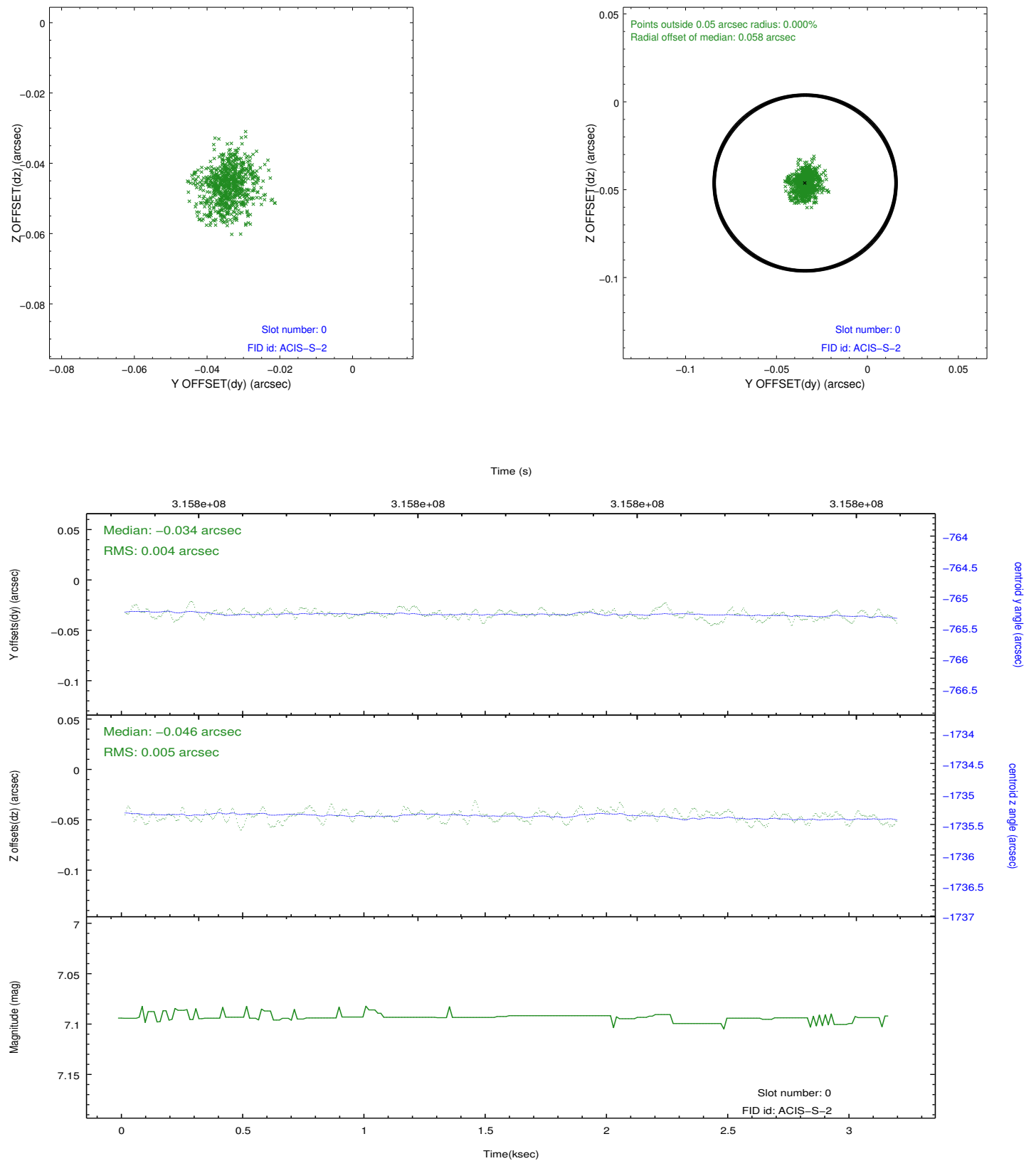


Time (s)

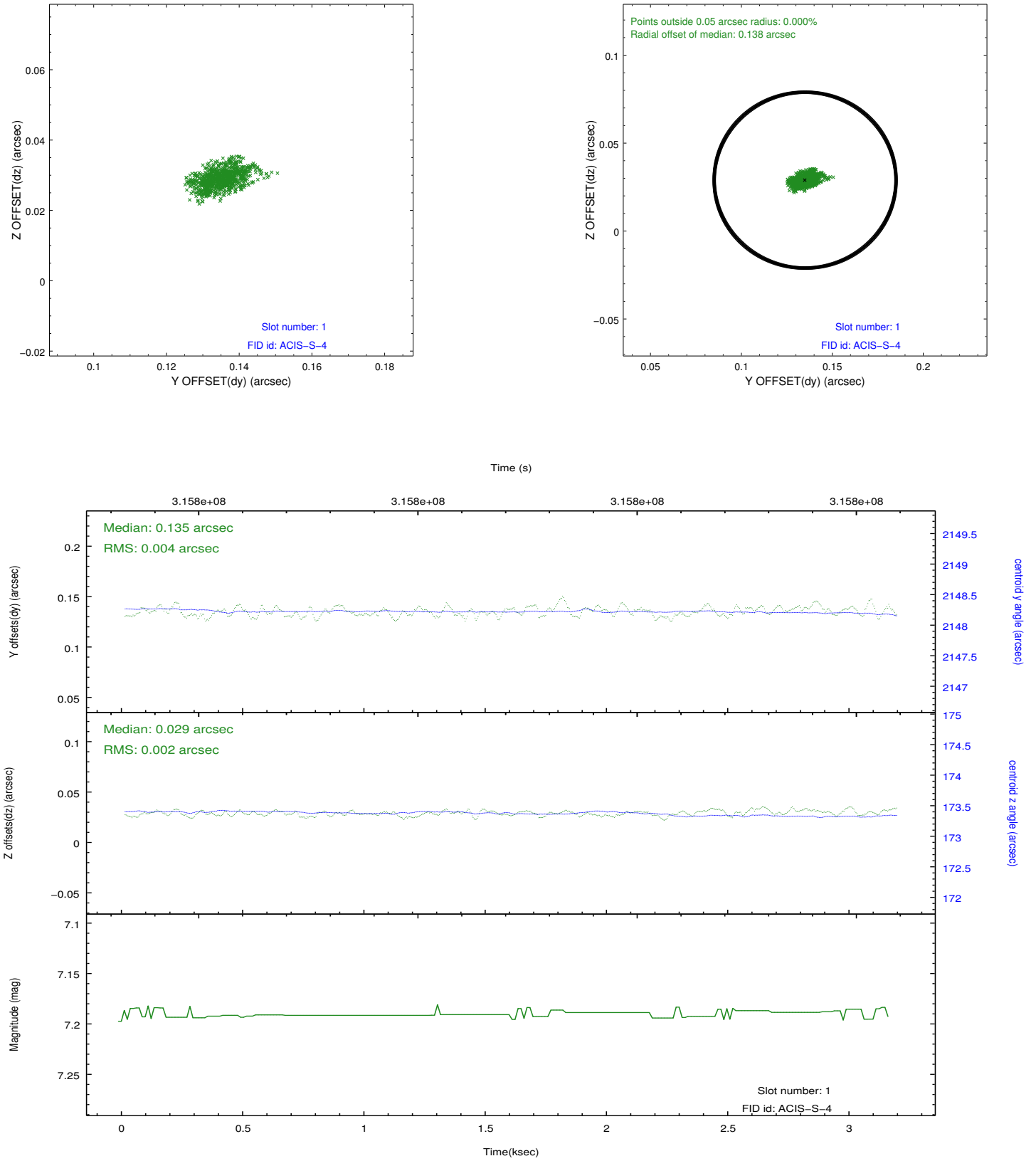


2.5 FID Slots

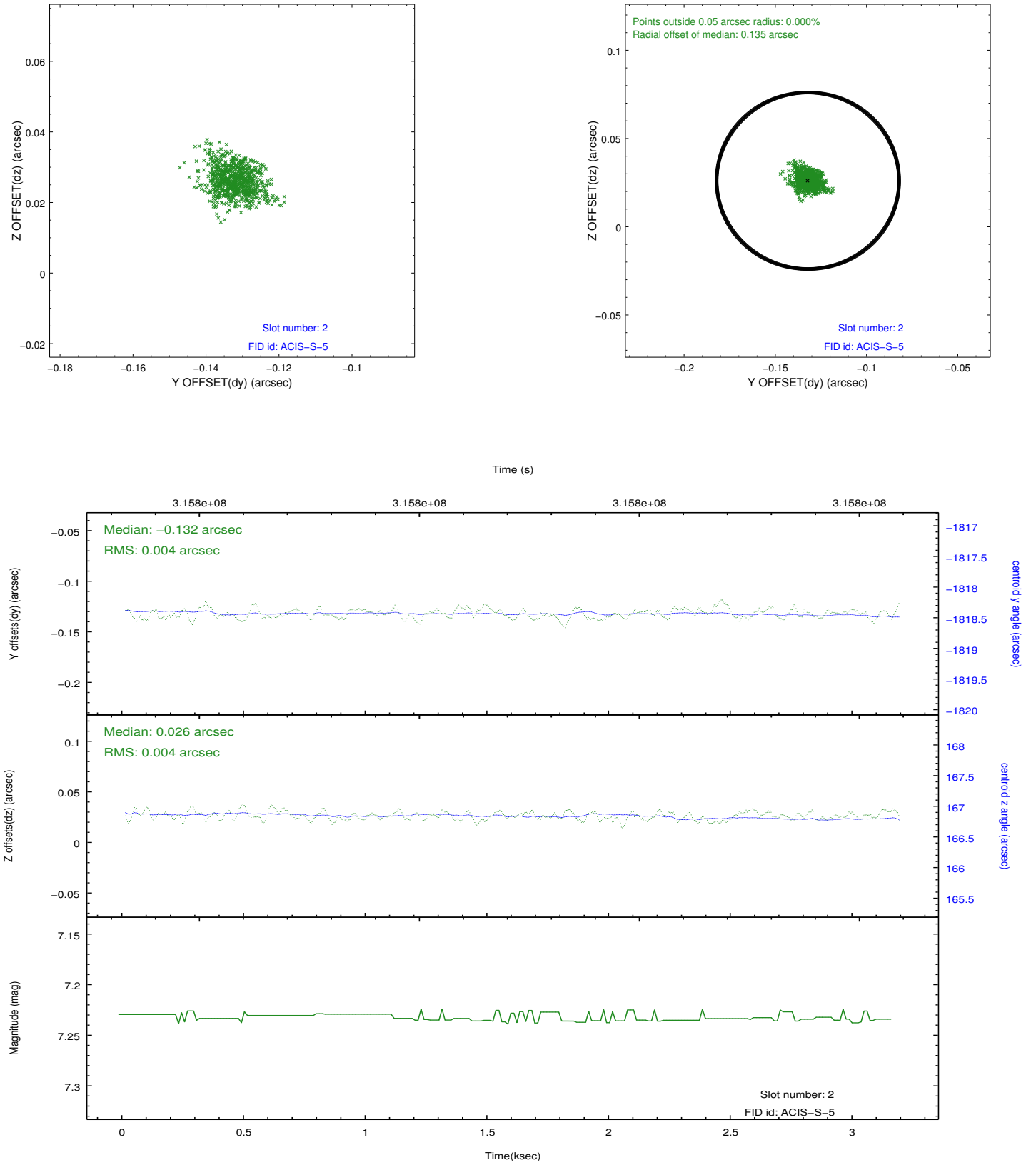
2.5.1 Slot 0



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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.18399998

A.2 Comments

Time constraint met.