

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18851 - L2 Version 1
Chandra X-Ray Center

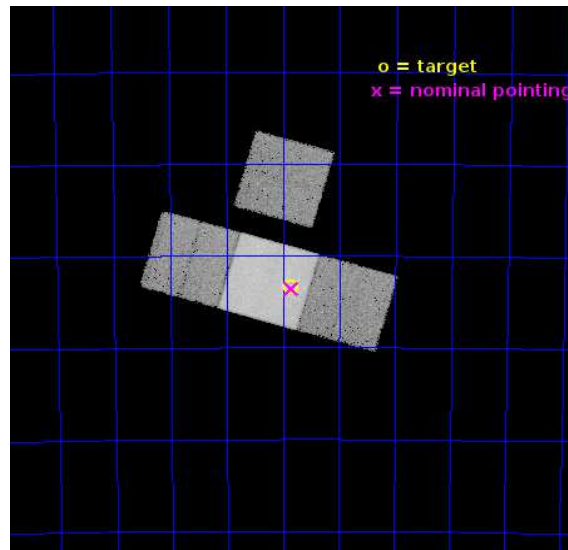
L2 Processing Date : May 17 2016

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1 Front

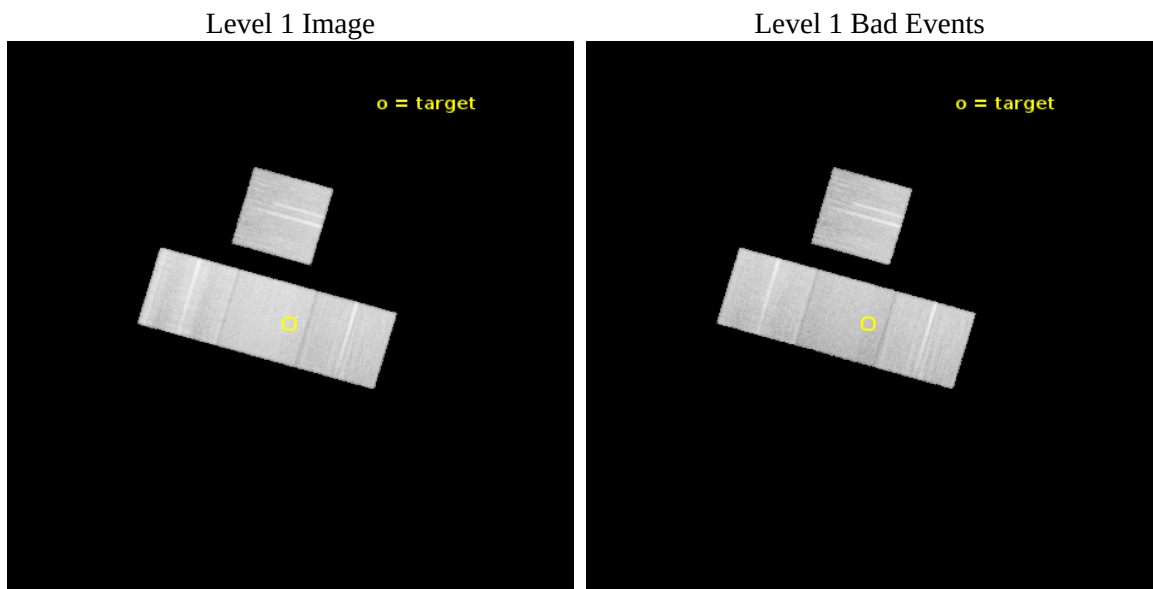
seq_num	502483	Sequence number
obs_id	18851	Observation id
title	ACIS-S observation of MCSNR J0529 6653 in the Large Magellanic Cloud	
observer	Dr. Peter Predehl	Principal investigator
object	MCSNR J0529 6653	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	82.4625	Observer's specified target RA [deg]
dec_targ	-66.890833	Observer's specified target Dec [deg]
ra_nom	82.462419840064	Nominal RA [deg]
dec_nom	-66.893401375024	Nominal Dec [deg]
roll_nom	196.156558858	Nominal Roll [deg]
revision	1	Processing version of data
ontime	34300.072554827	Sum of GTIs [s]
livetime	33851.916855552	Livetime [s]
ontime3	34299.99047482	Sum of GTIs [s]
ontime6	34296.890554667	Sum of GTIs [s]
ontime7	34300.072554827	Sum of GTIs [s]
ontime8	34299.949434876	Sum of GTIs [s]
l2events	188724	Number of level 2 events



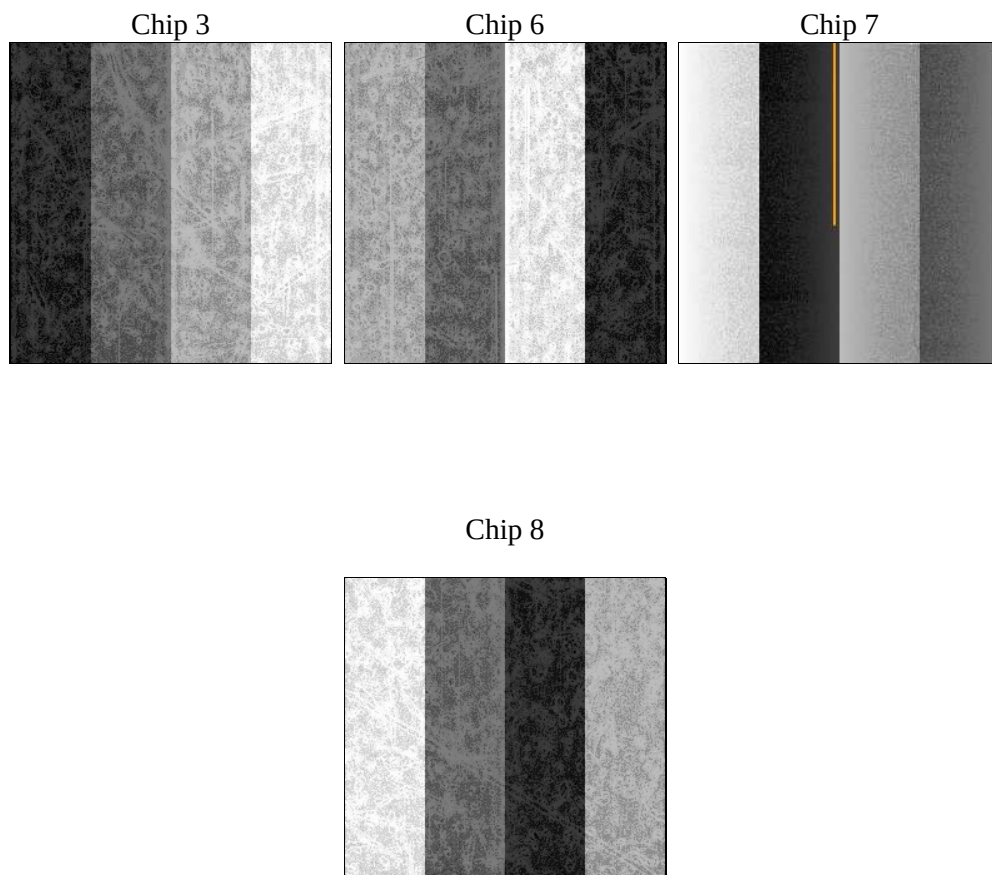
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	34235.111000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	34300.072554827	Sum of GTIs [s]
caldsver	4.7.1	 	ontime3	34299.99047482	Sum of GTIs [s]
date	2016-05-17T16:27:20	Date and time of file creation	ontime6	34296.890554667	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	34300.072554827	Sum of GTIs [s]
			ontime8	34299.949434876	Sum of GTIs [s]
			l1events	1011681	Number of level 1 events

2.1.4 Events

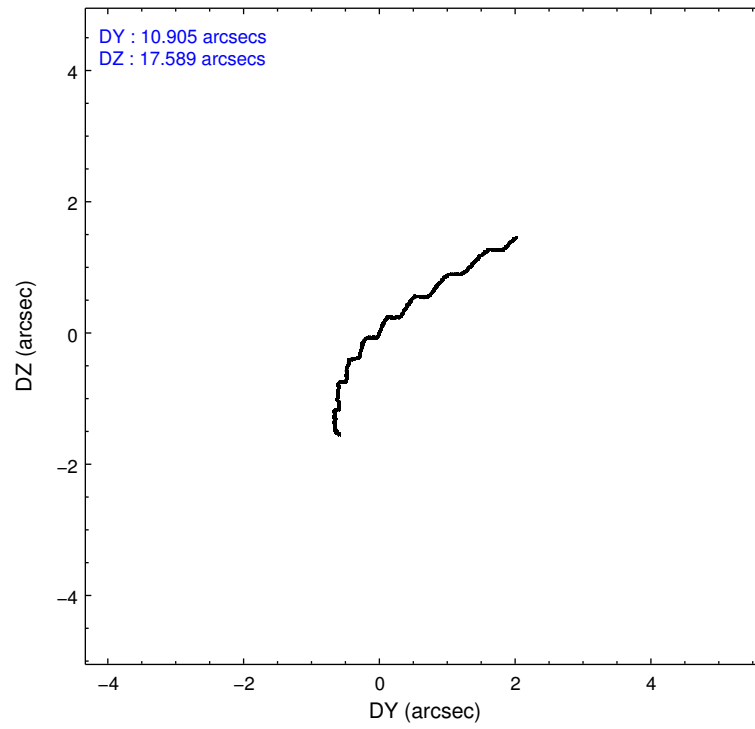
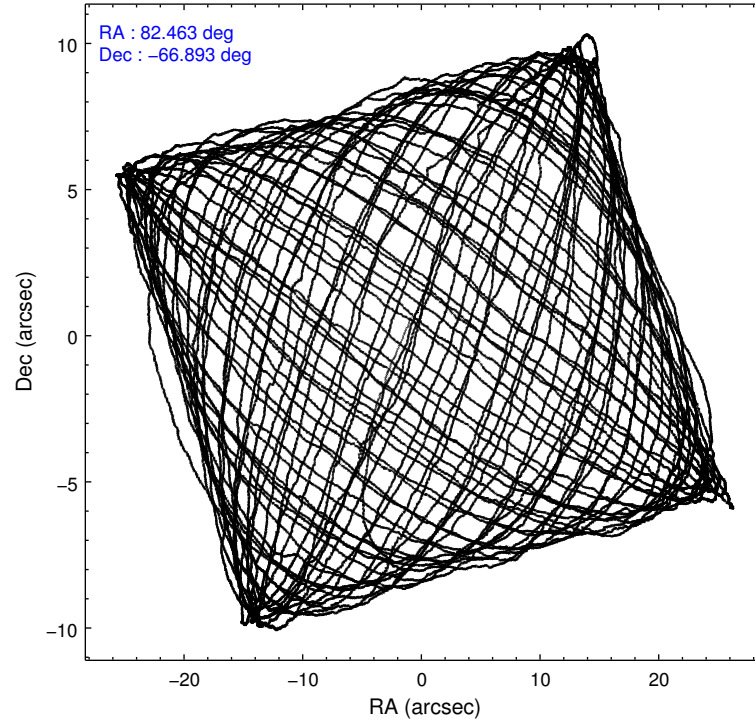
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	211309	229673	281288	289411
rejected events	188427	204449	157176	211843
rejected %	89%	89%	55%	73%

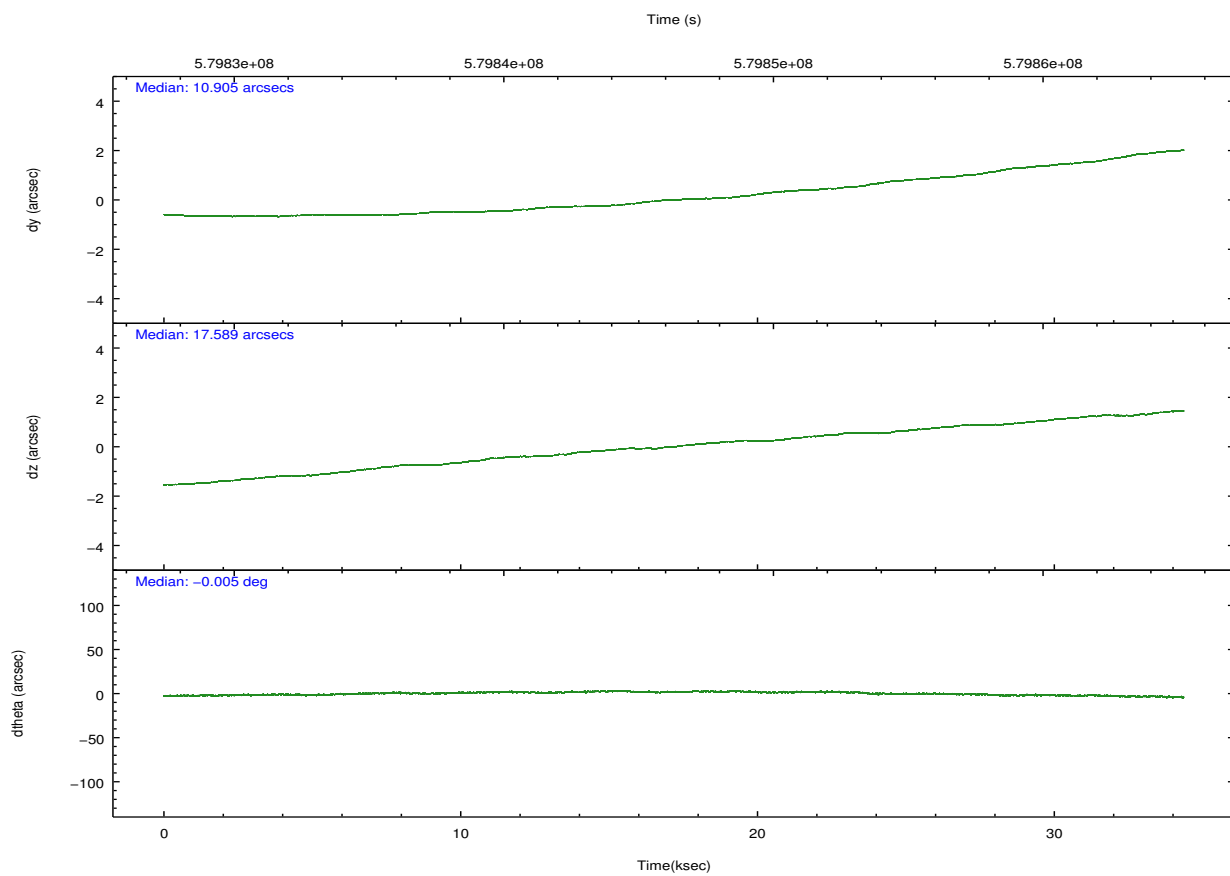
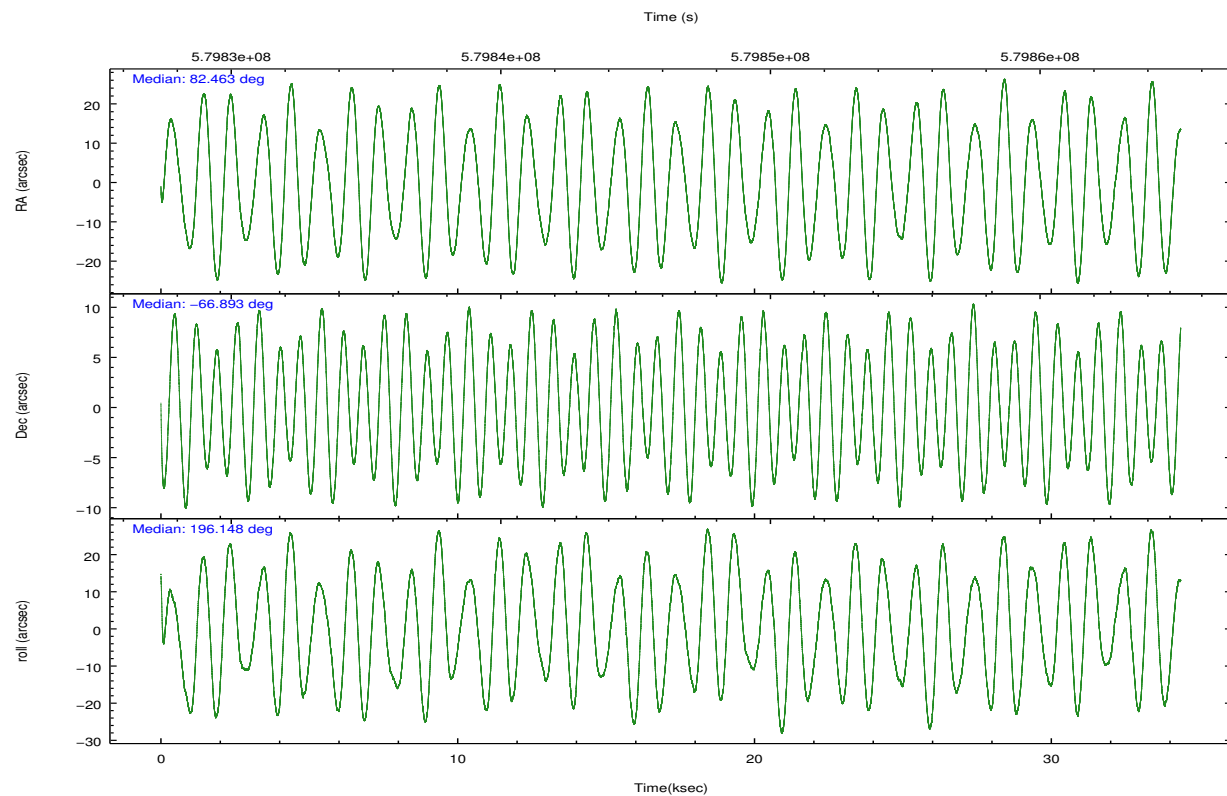
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	8154	8357	11271	22380
	3%	3%	4%	7%
grade 1 events	103	109	333	214
	0%	0%	0%	0%
grade 2 events	4974	5914	26633	18494
	2%	2%	9%	6%
grade 3 events	2448	2498	9915	8083
	1%	1%	3%	2%
grade 4 events	2506	2398	9646	7599
	1%	1%	3%	2%
grade 5 events	10376	10508	27625	15724
	4%	4%	9%	5%
grade 6 events	4807	6062	66666	21018
	2%	2%	23%	7%
grade 7 events	177941	193827	129199	195899
	84%	84%	45%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	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	82.510143	82.46241984006366	Subarray requested	NONE	NONE
[deg] Pointing Dec	-66.873341	-66.8934013750244	Alternating exposures requested	N	N
[deg] Pointing Roll	196.043818	196.156558858	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	579829245.184000	579827691.52492			
Observation start date	2016-05-16T23:39:37	2016-05-16T23:14:51			
[s] Observation end time (MET)	579863480.184000	579863703.36448			
Observation end date	2016-05-17T09:10:12	2016-05-17T09:15:03			
Read mode	TIMED	TIMED			

2.3 Aspect



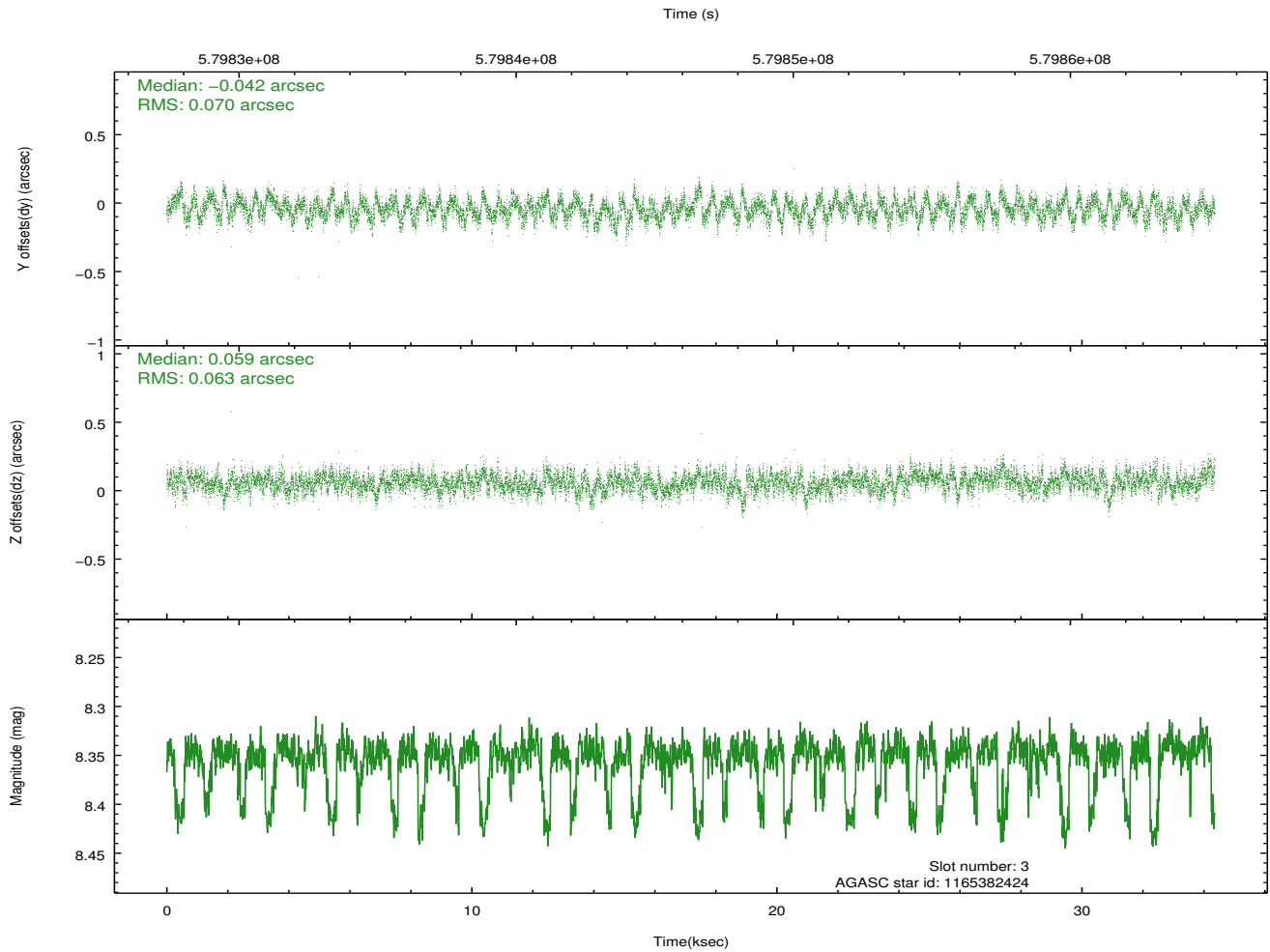
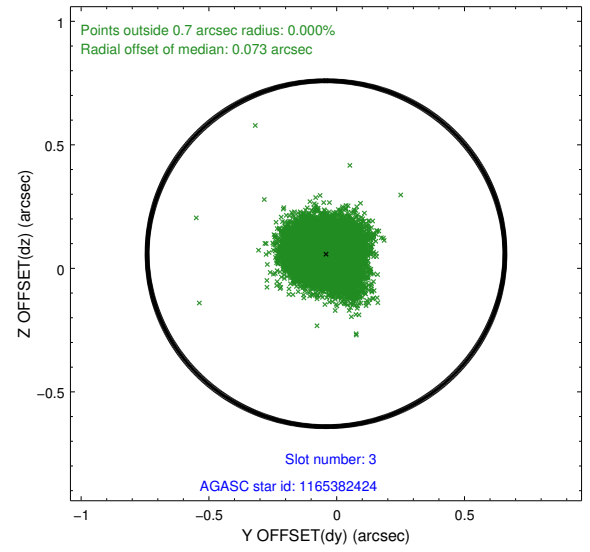
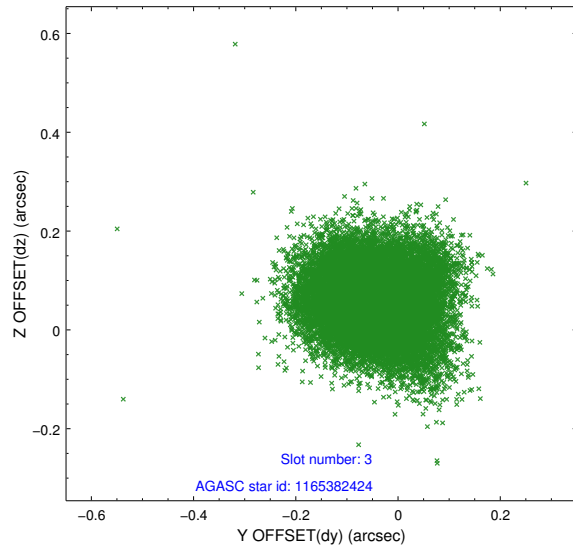


Slot Statistics

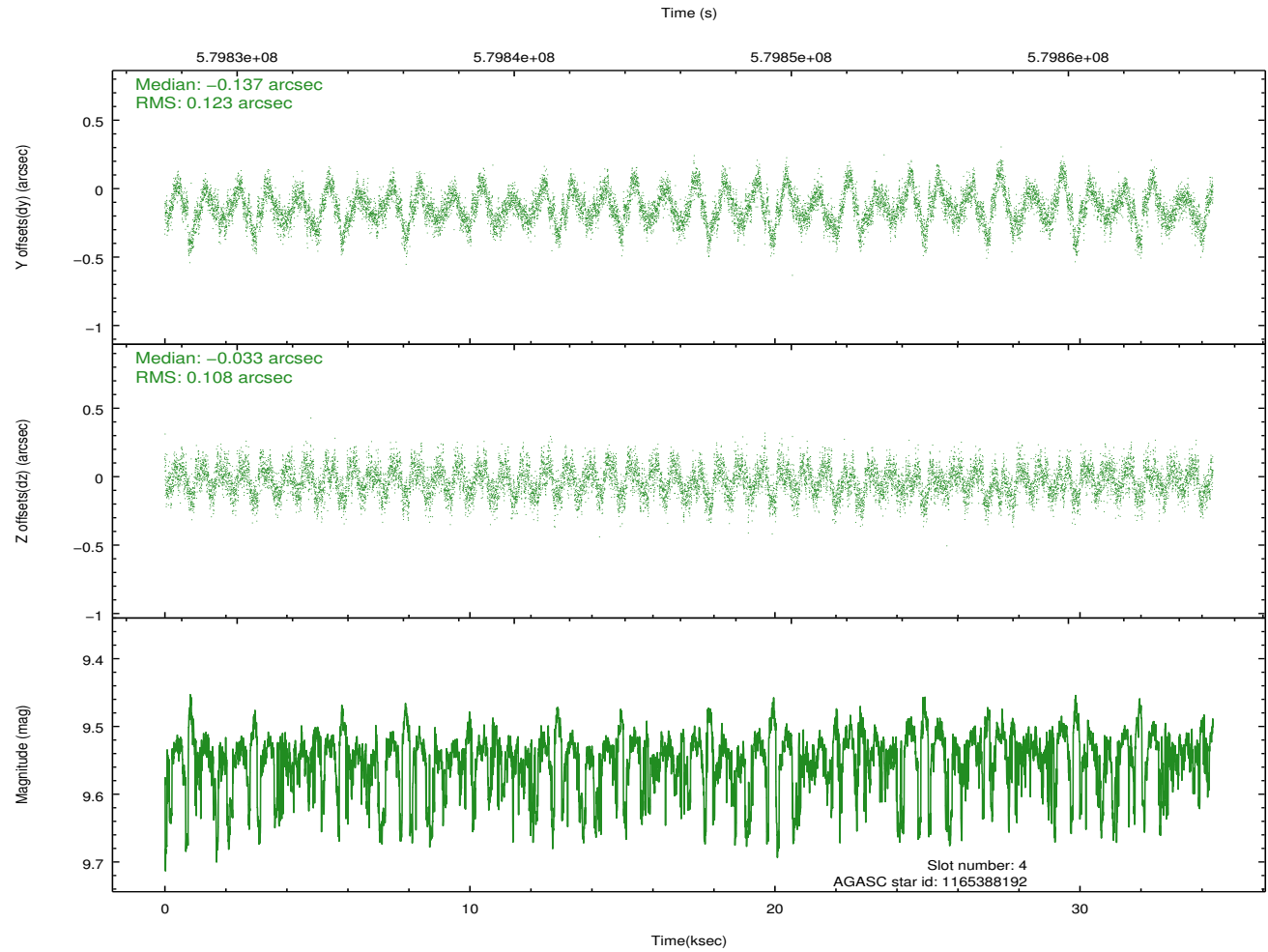
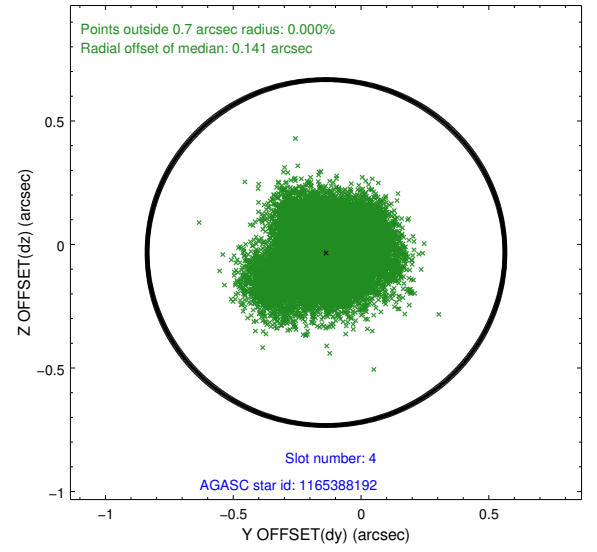
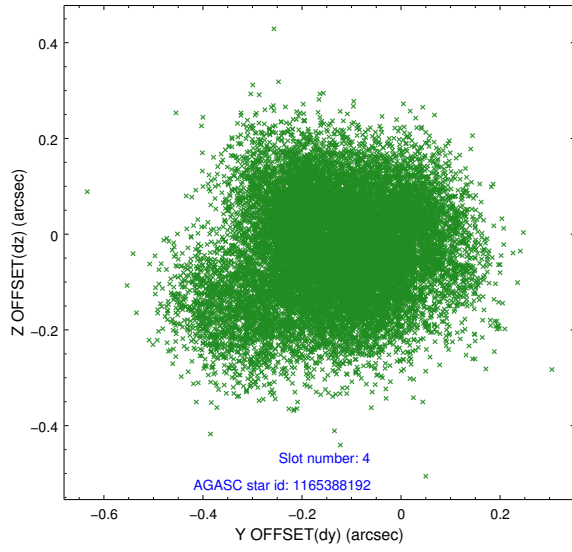
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.20	8381	0.039	-0.035	0.033	0.052	0.000000	0.000000	932.09	-1734.65
1	FID		ACIS-S-4	7.22	8378	0.293	0.009	0.026	0.048	0.000000	0.000000	2149.76	169.53
2	FID		ACIS-S-5	7.23	8381	-0.356	0.040	0.012	0.050	0.000000	0.000000	-1817.14	163.18
3	GUIDE	used	1165382424	8.35	16752	-0.042	0.059	0.100	0.161	82.355152	-66.439036	-217.00	-1563.82
4	GUIDE	used	1165388192	9.54	16736	-0.137	-0.033	0.177	0.281	83.515426	-67.345250	-867.00	2028.65
5	GUIDE	used	1165389384	9.59	16743	0.014	0.097	0.273	0.431	83.140057	-67.088536	-634.39	992.48
6	GUIDE	used	1165389632	9.72	16733	0.125	-0.144	0.180	0.278	83.535874	-67.250833	-993.14	1711.88
7	GUIDE	used	1200884736	9.67	16735	0.046	0.021	0.193	0.314	81.539080	-67.554590	1963.63	1998.73

2.4 Star Slots

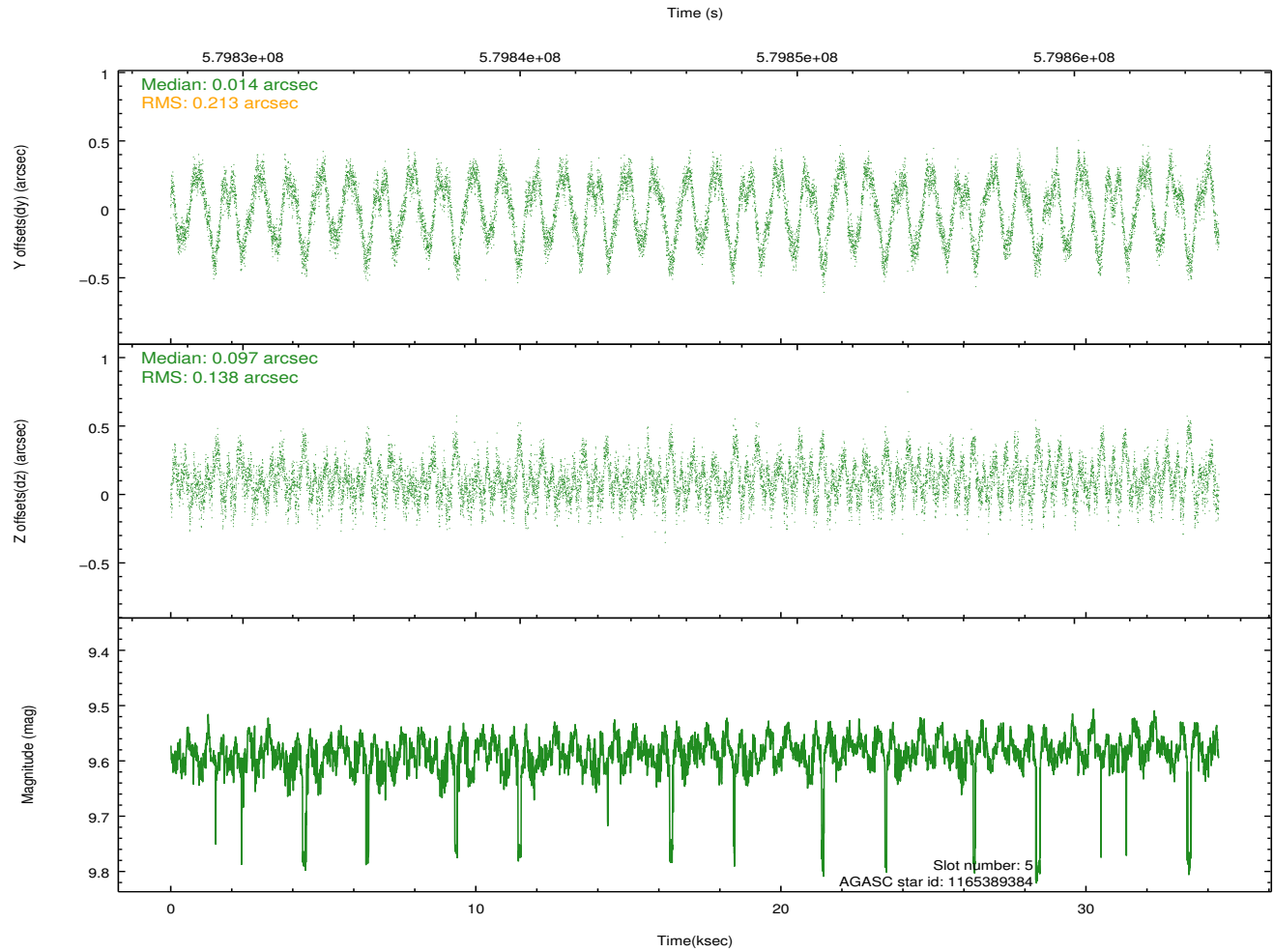
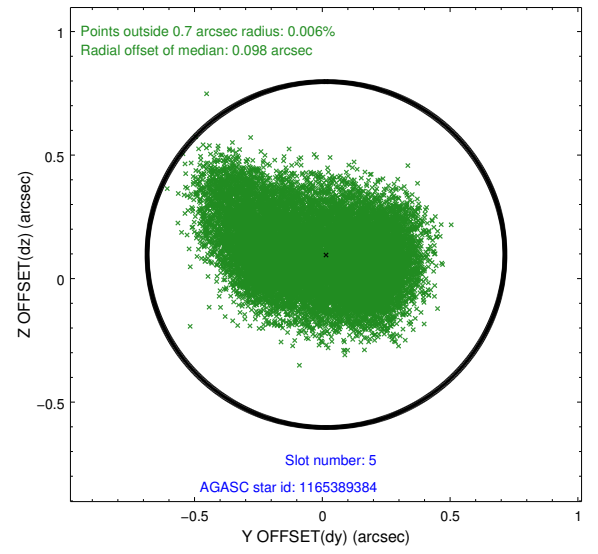
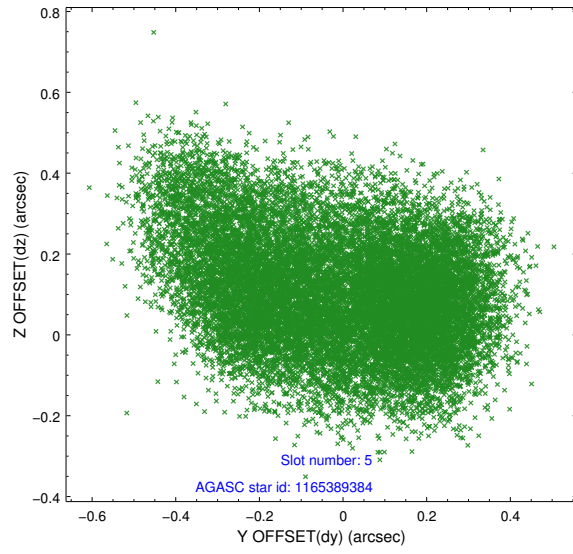
2.4.1 Slot 3



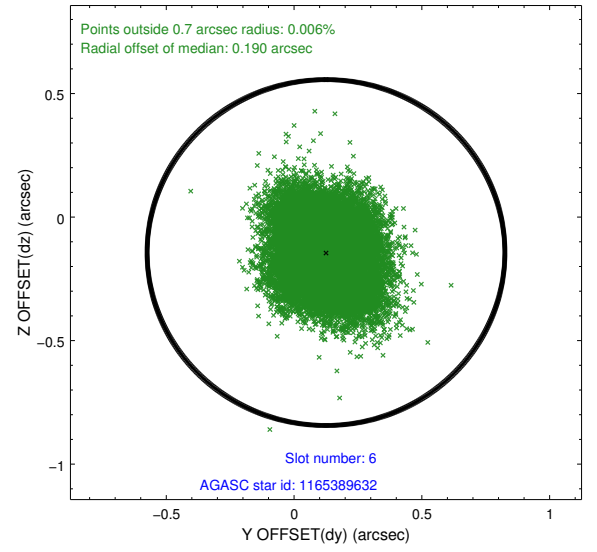
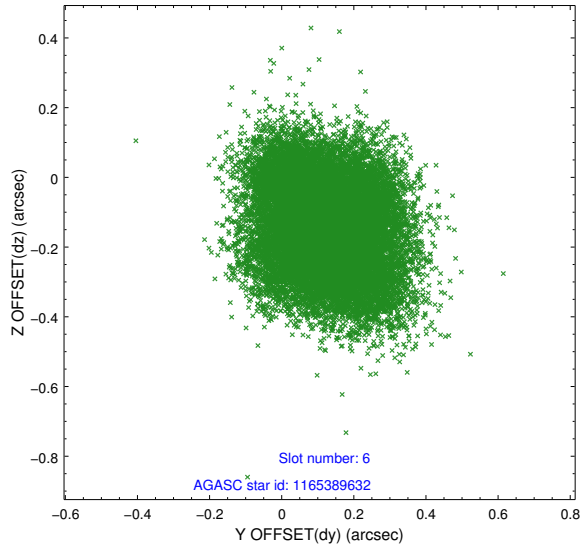
2.4.2 Slot 4



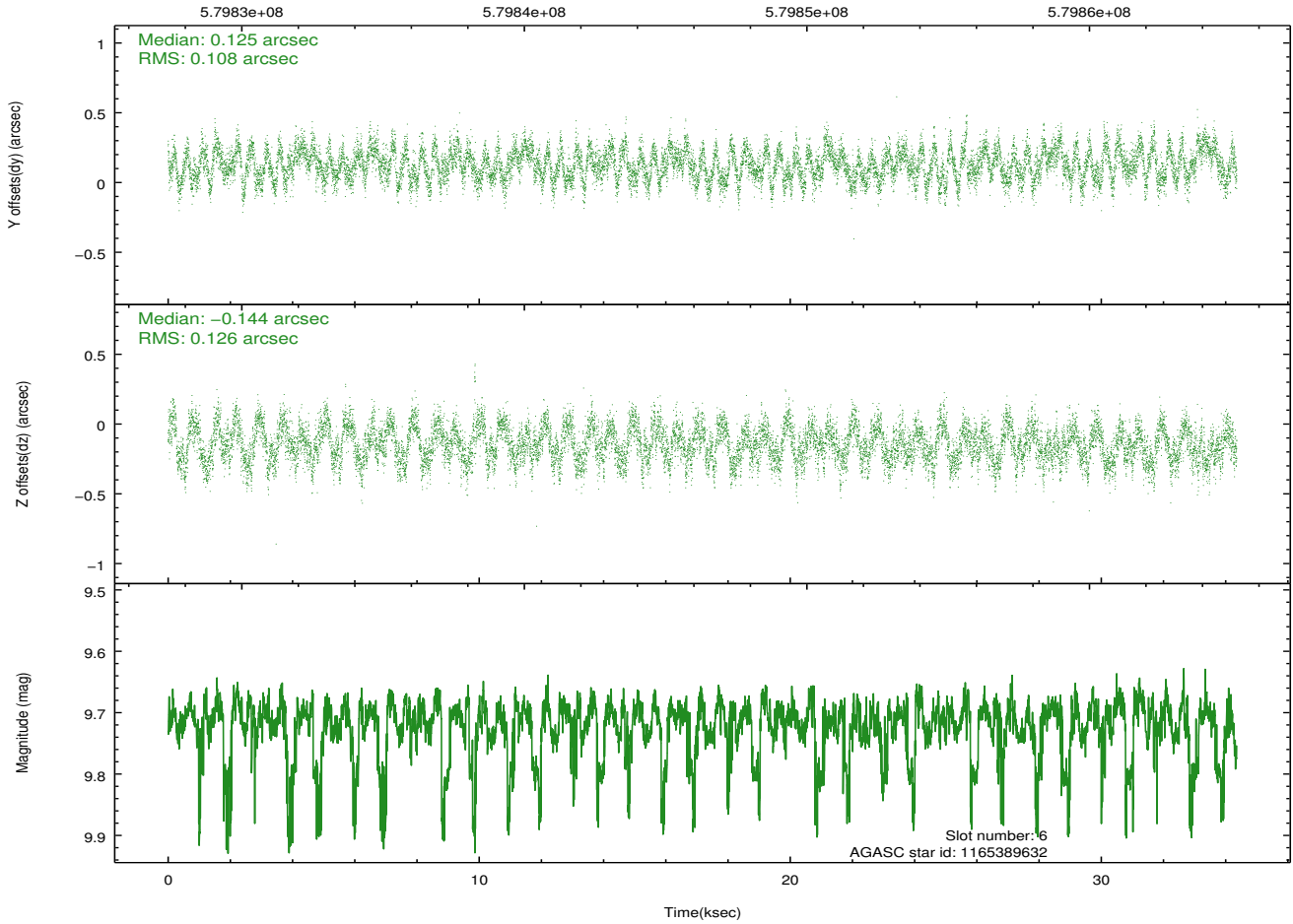
2.4.3 Slot 5



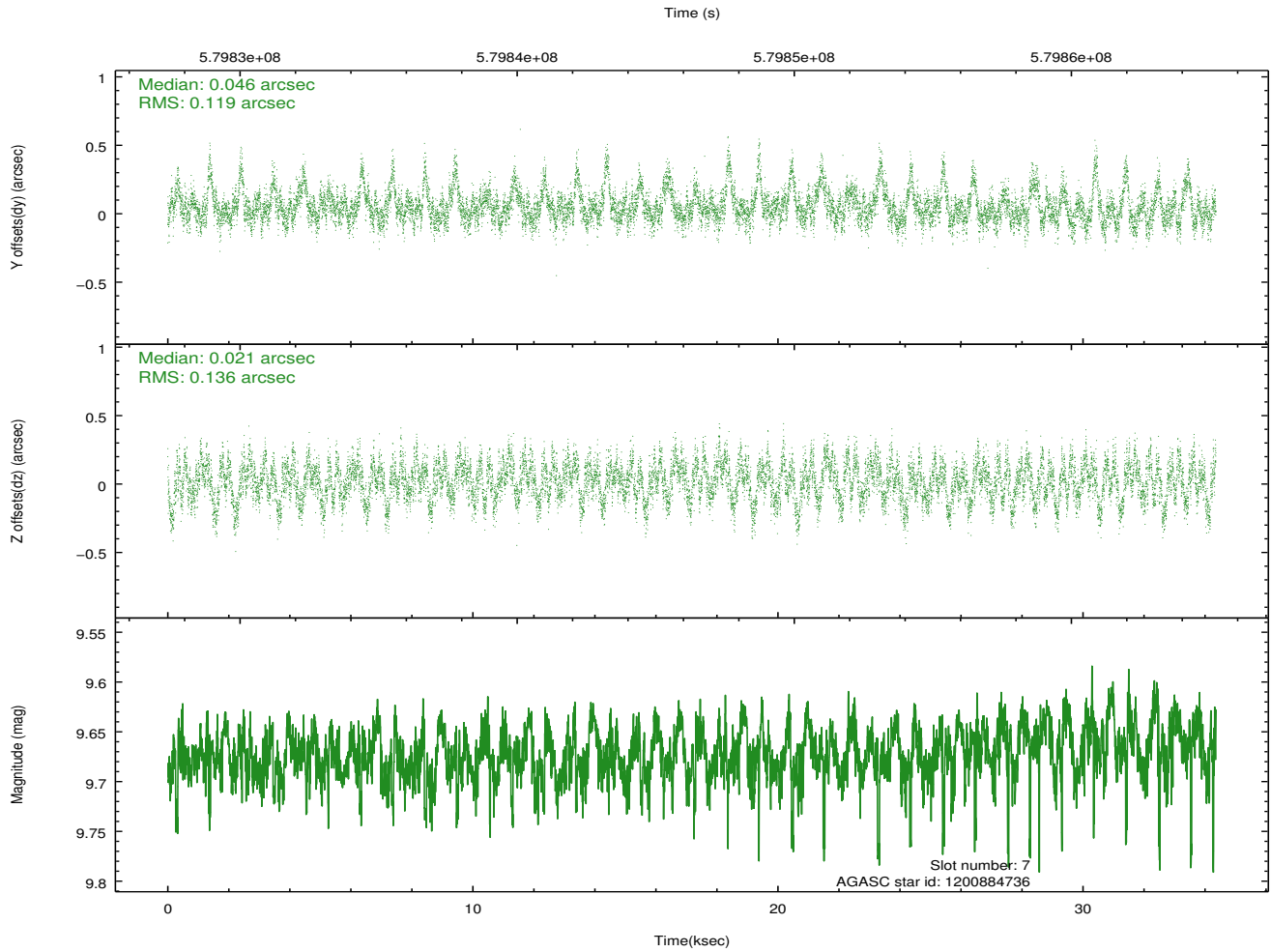
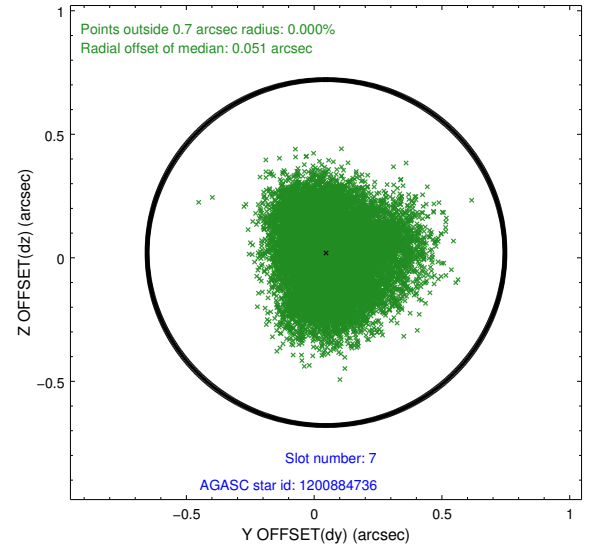
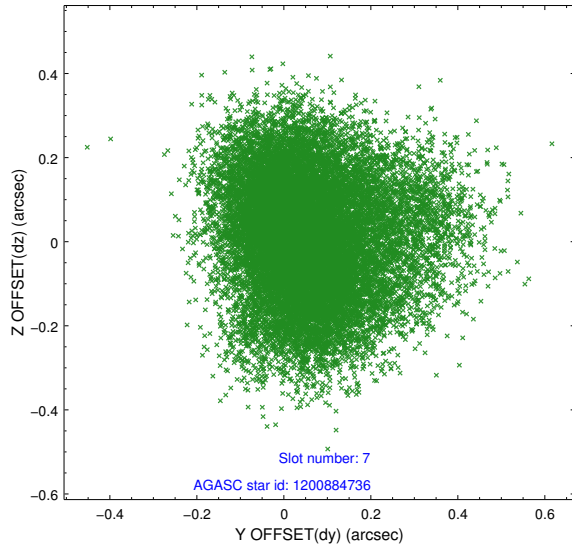
2.4.4 Slot 6



Time (s)

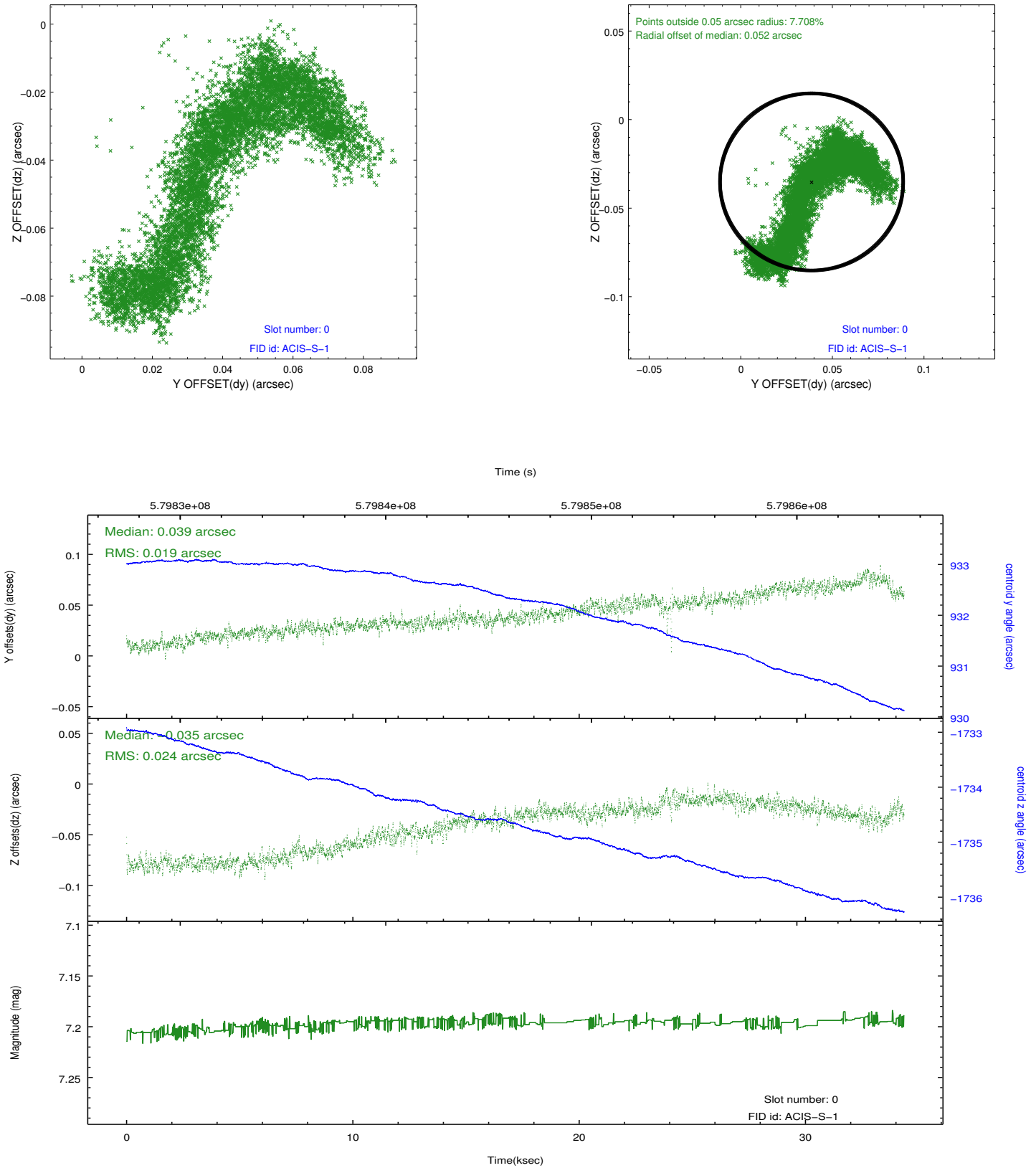


2.4.5 Slot 7

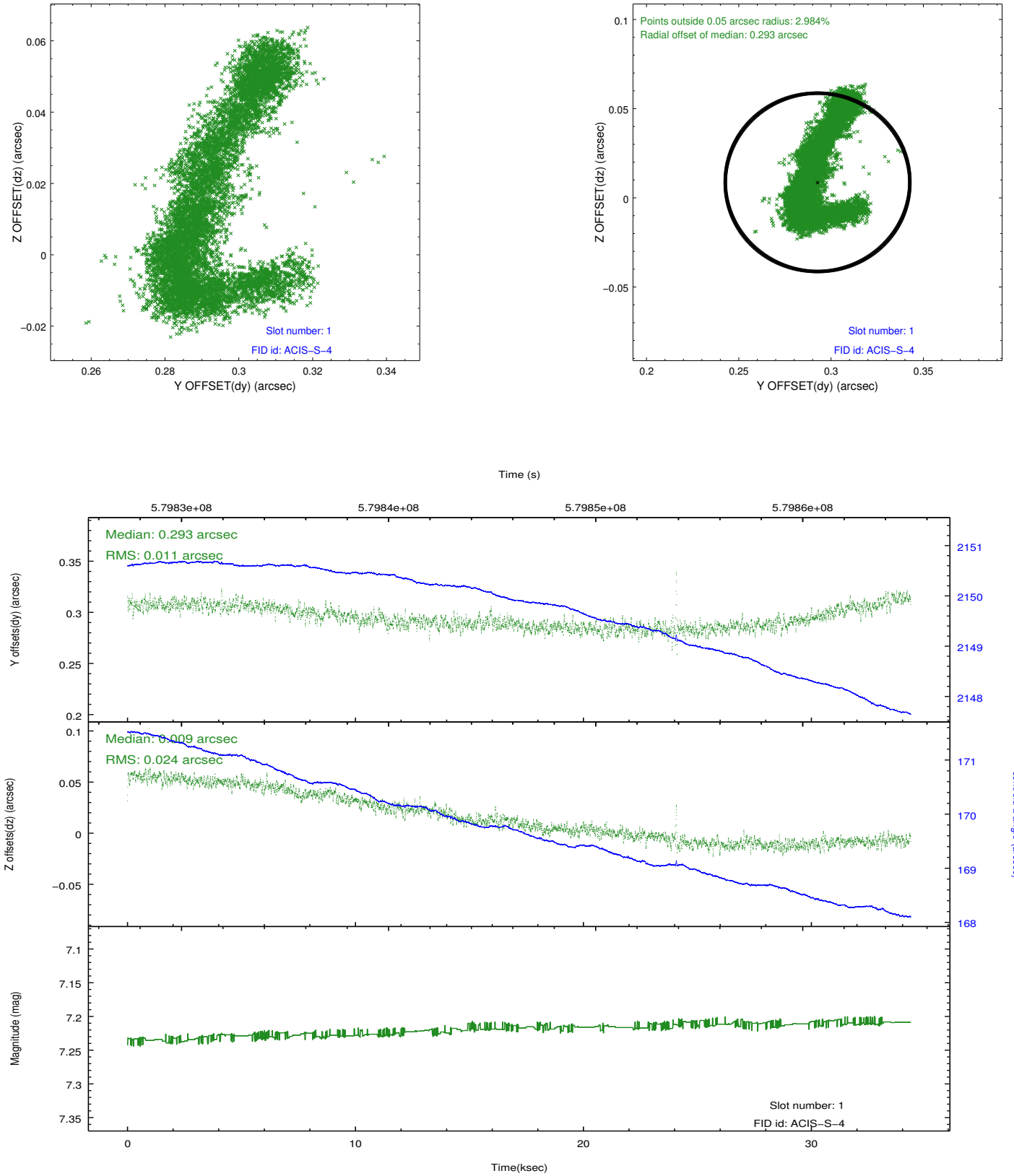


2.5 FID Slots

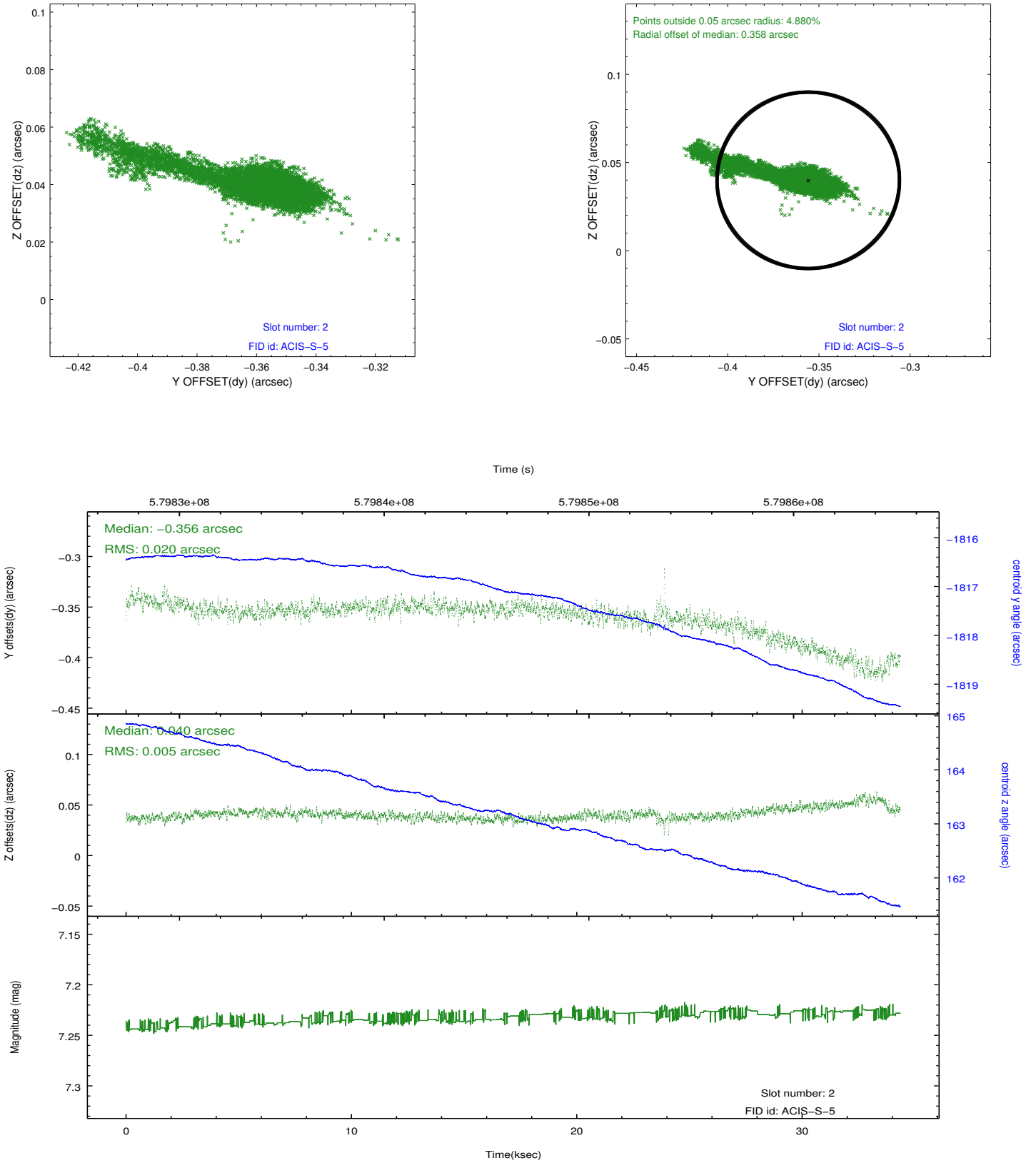
2.5.1 Slot 0



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)	2016.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.300072554827

A.2 Comments