

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17456 - L2 Version 1
Chandra X-Ray Center

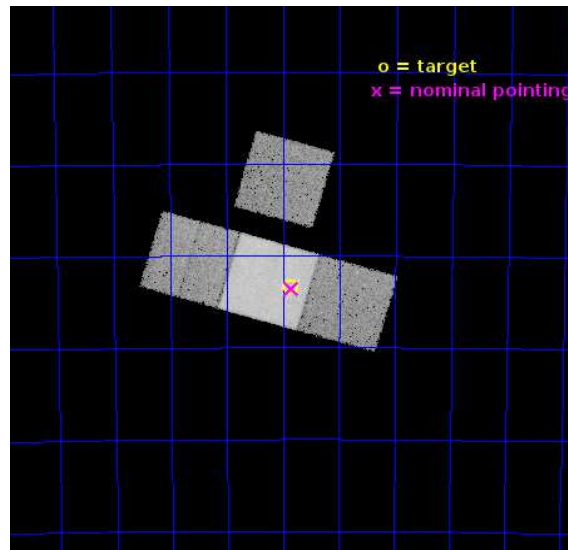
L2 Processing Date : May 19 2016

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1 Front

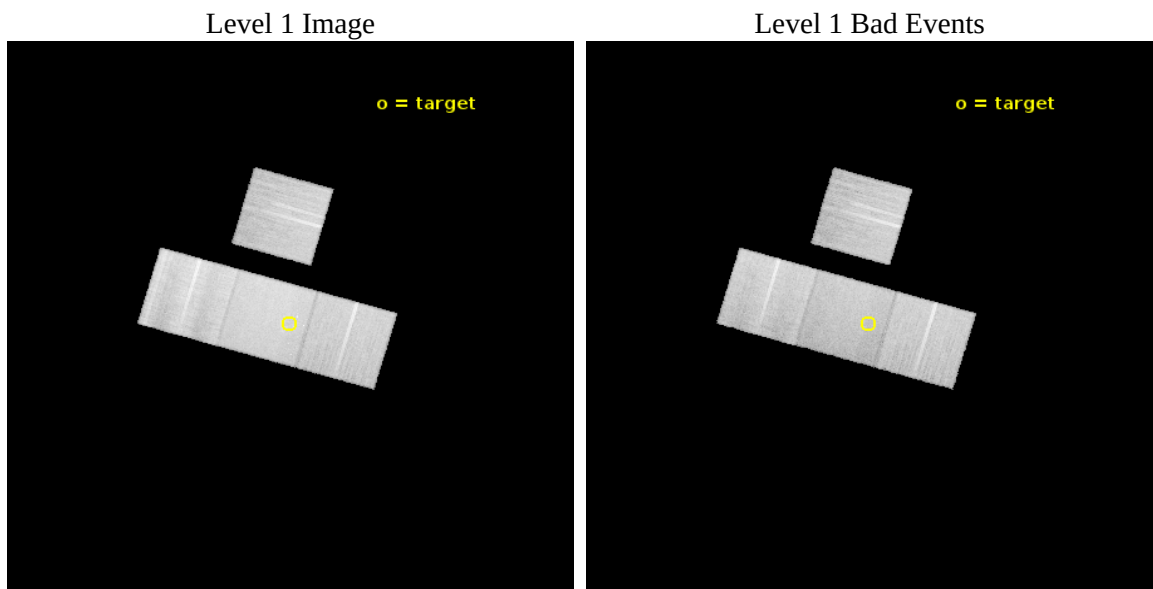
seq_num	502483	Sequence number
obs_id	17456	Observation id
title	ACIS-S observation of MCSNR J0529 6653 in the Large Magellanic Cloud	
observer	Dr. Peter Predehl	Principal investigator
object	MCSNR J0529 6653	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	82.4625	Observer's specified target RA [deg]
dec_targ	-66.890833	Observer's specified target Dec [deg]
ra_nom	82.462426162398	Nominal RA [deg]
dec_nom	-66.893405491631	Nominal Dec [deg]
roll_nom	196.15655841606	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30057.60023129	Sum of GTIs [s]
livetime	29664.875556185	Livetime [s]
ontime3	30057.60023129	Sum of GTIs [s]
ontime6	30051.318400264	Sum of GTIs [s]
ontime7	30057.60023129	Sum of GTIs [s]
ontime8	30057.60023129	Sum of GTIs [s]
l2events	164491	Number of level 2 events



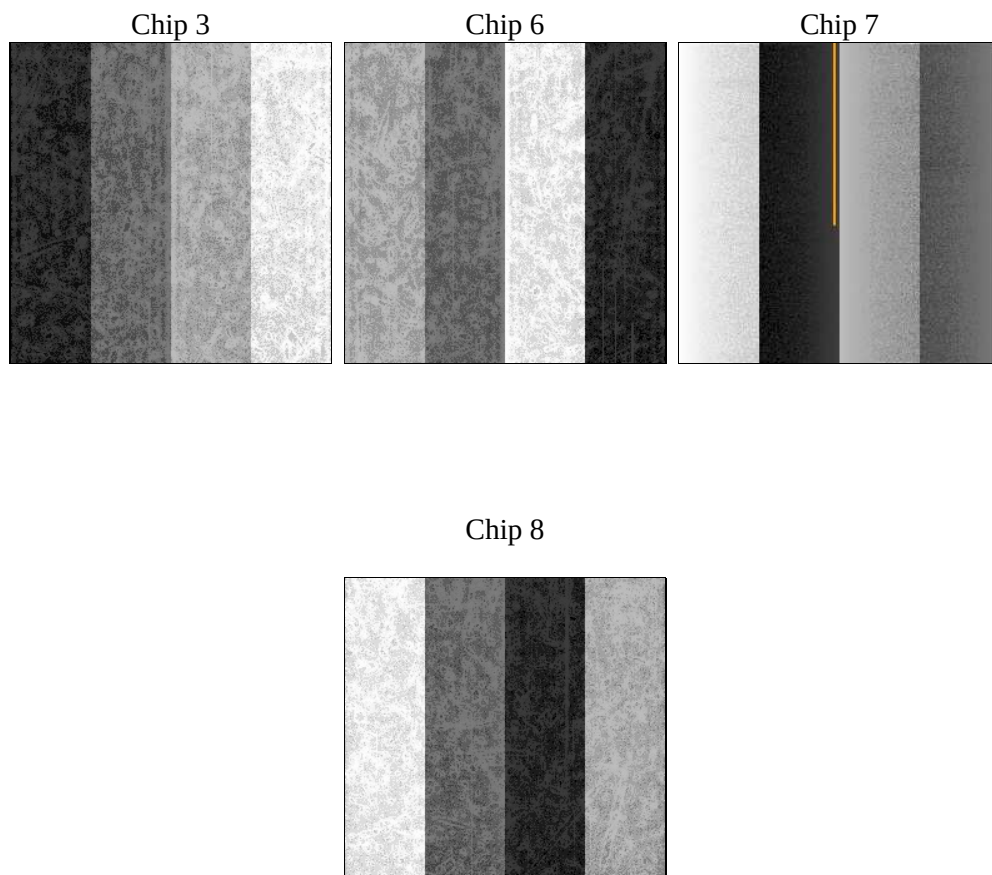
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	30057.60023129	Sum of GTIs [s]
caldsver	4.7.1	 	ontime3	30057.60023129	Sum of GTIs [s]
date	2016-05-19T13:12:30	Date and time of file creation	ontime6	30051.318400264	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	30057.60023129	Sum of GTIs [s]
			ontime8	30057.60023129	Sum of GTIs [s]
			l1events	871256	Number of level 1 events

2.1.4 Events

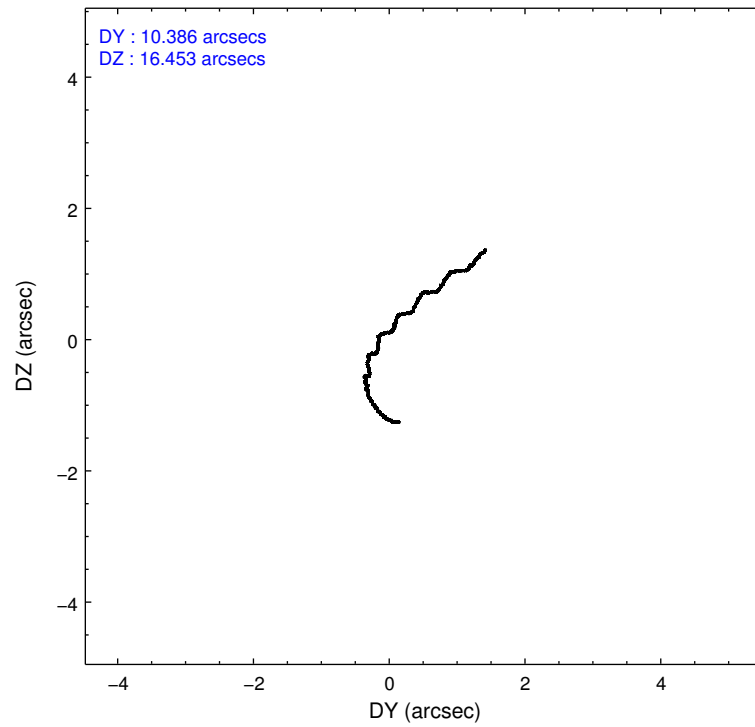
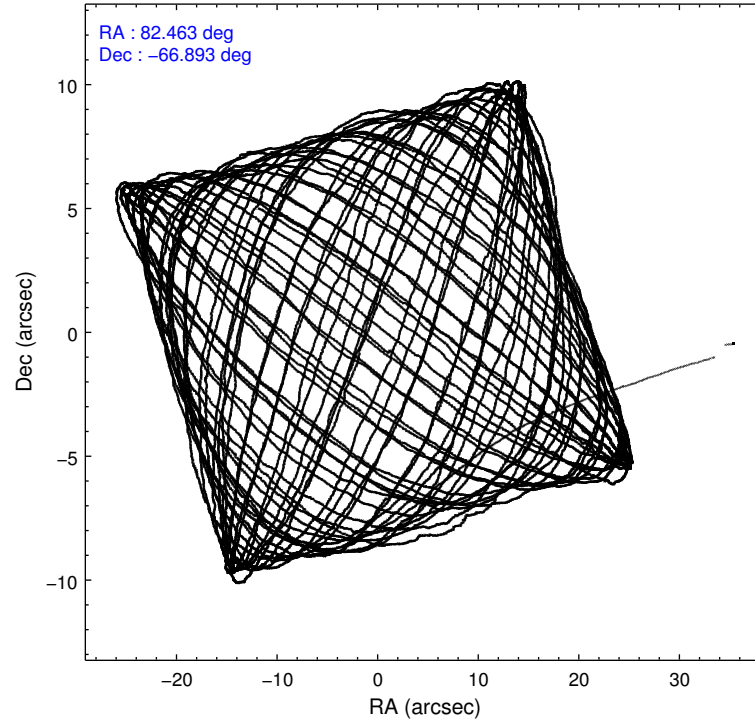
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	186861	193476	243951	246968
rejected events	167106	171674	136734	181704
rejected %	89%	88%	56%	73%

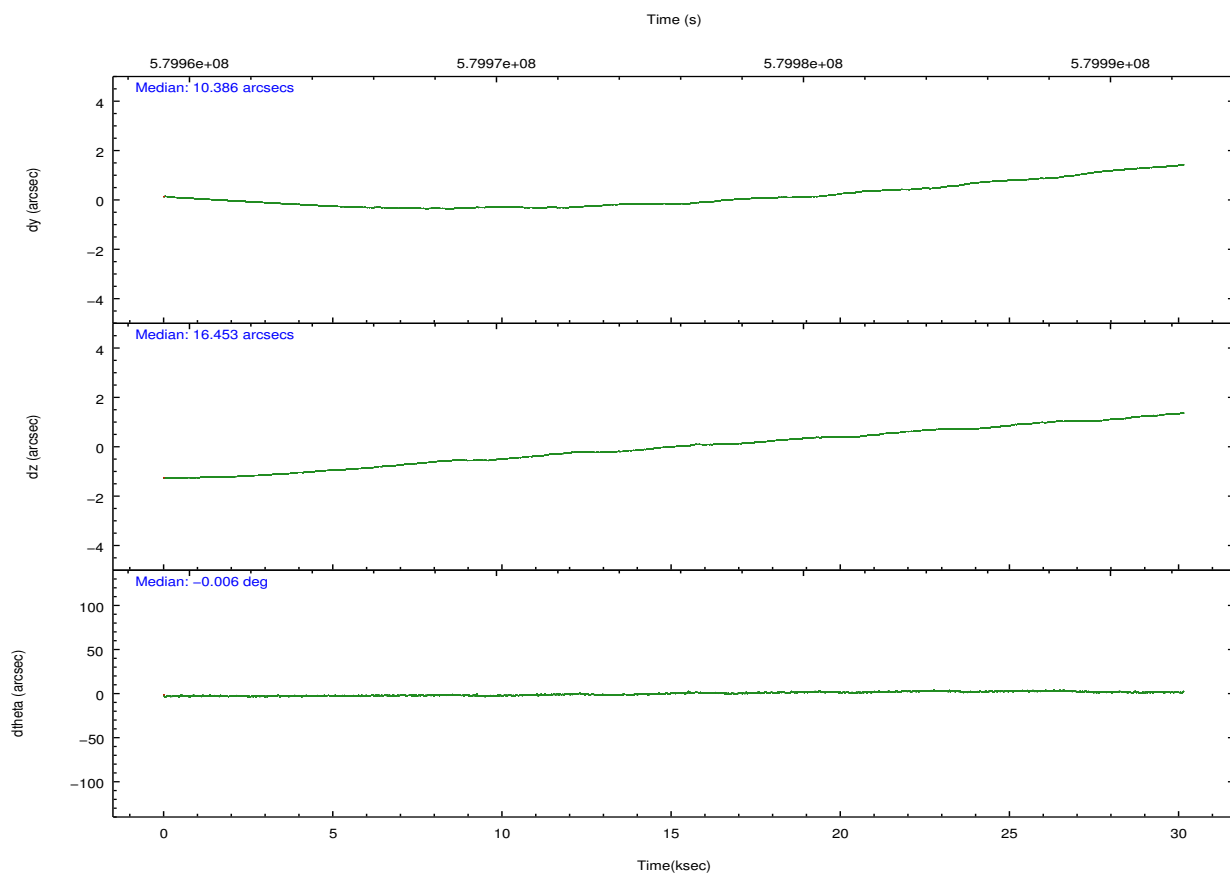
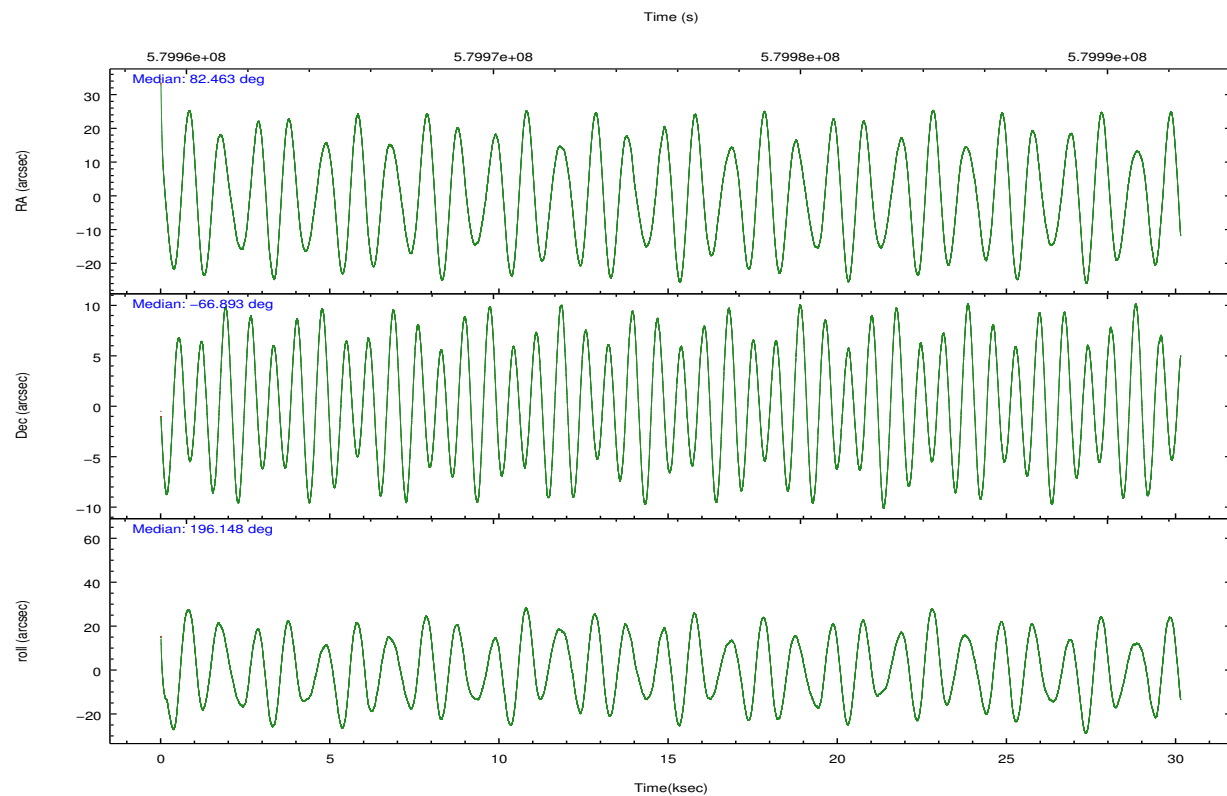
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	7017	7214	9332	18485
	3%	3%	3%	7%
grade 1 events	92	73	300	195
	0%	0%	0%	0%
grade 2 events	4385	5031	22843	16104
	2%	2%	9%	6%
grade 3 events	2119	2200	8570	6563
	1%	1%	3%	2%
grade 4 events	2050	2108	8545	6040
	1%	1%	3%	2%
grade 5 events	8994	8803	23850	13573
	4%	4%	9%	5%
grade 6 events	4188	5251	57938	18112
	2%	2%	23%	7%
grade 7 events	158016	162796	112573	167896
	84%	84%	46%	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	82.46242616239758	Subarray requested	NONE	NONE
[deg] Pointing Dec	-66.873341	-66.89340549163074	Alternating exposures requested	N	N
[deg] Pointing Roll	196.043818	196.1565584160581	[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)	579960854.184000	579959615.18246			
Observation start date	2016-05-18T12:13:06	2016-05-18T11:53:35			
[s] Observation end time (MET)	579990854.184000	579991851.9468			
Observation end date	2016-05-18T20:33:06	2016-05-18T20:50:51			
Read mode	TIMED	TIMED			

2.3 Aspect



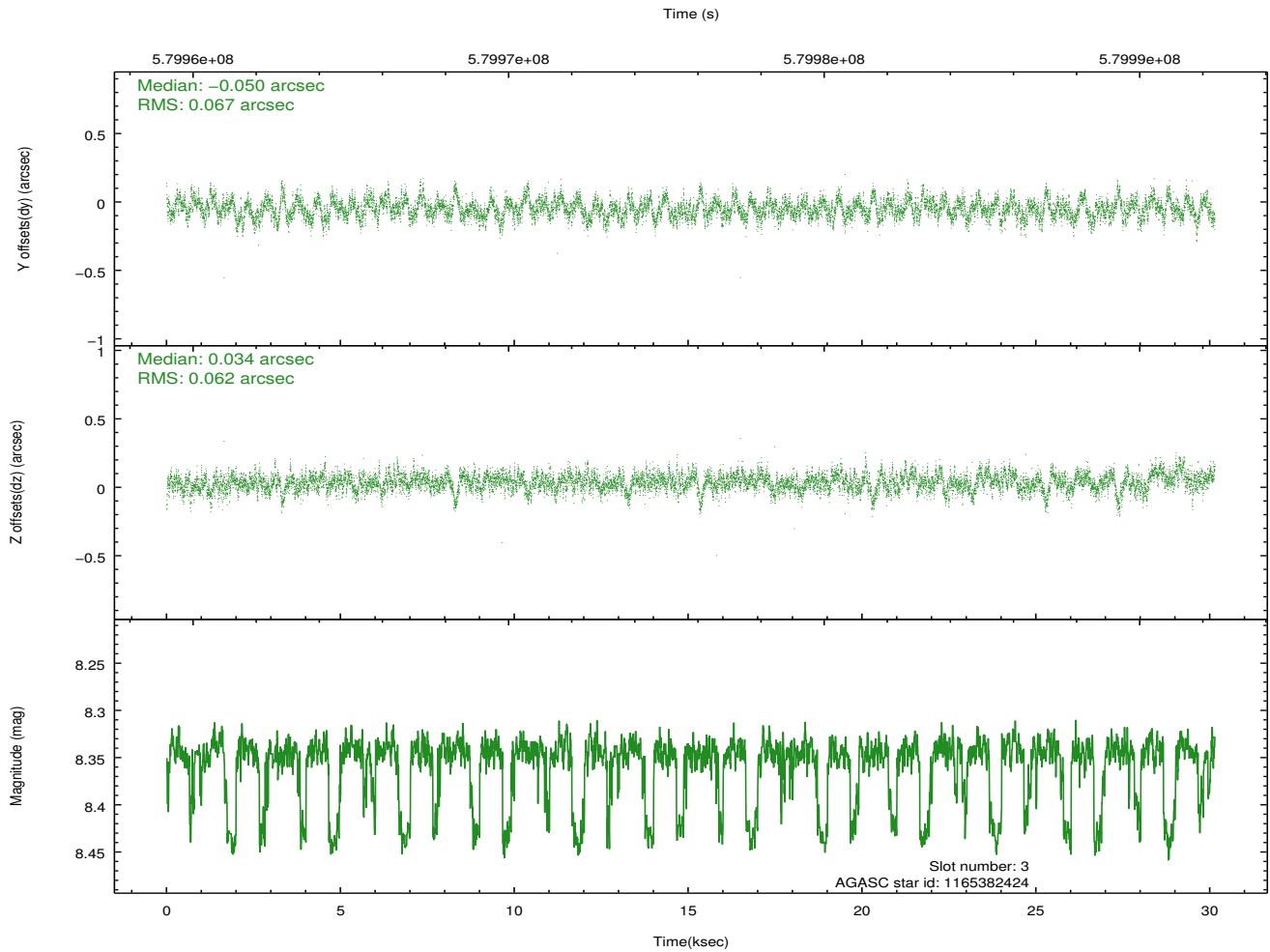
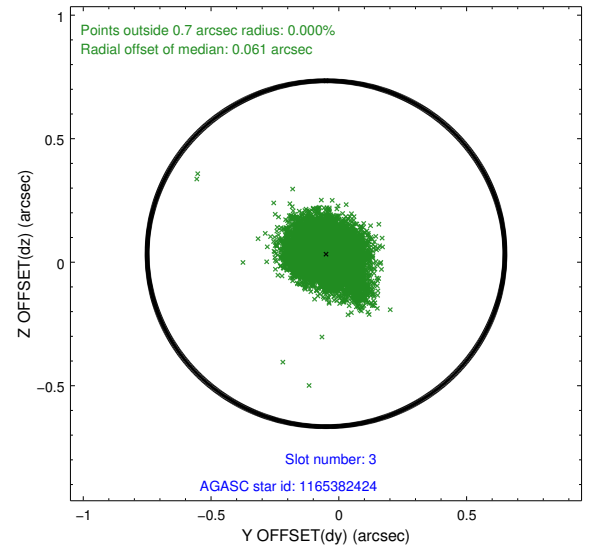
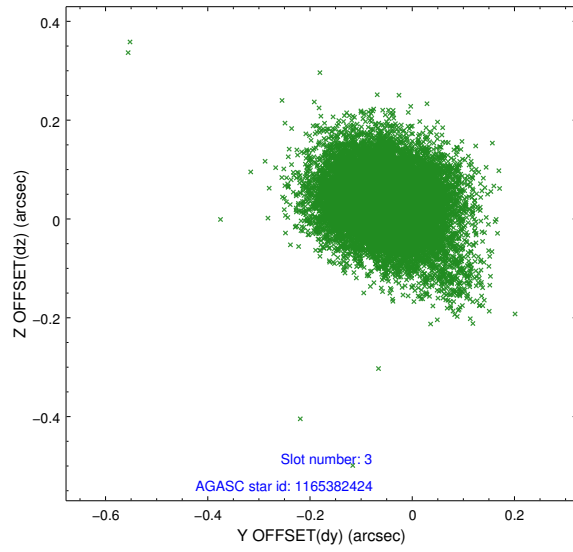


Slot Statistics

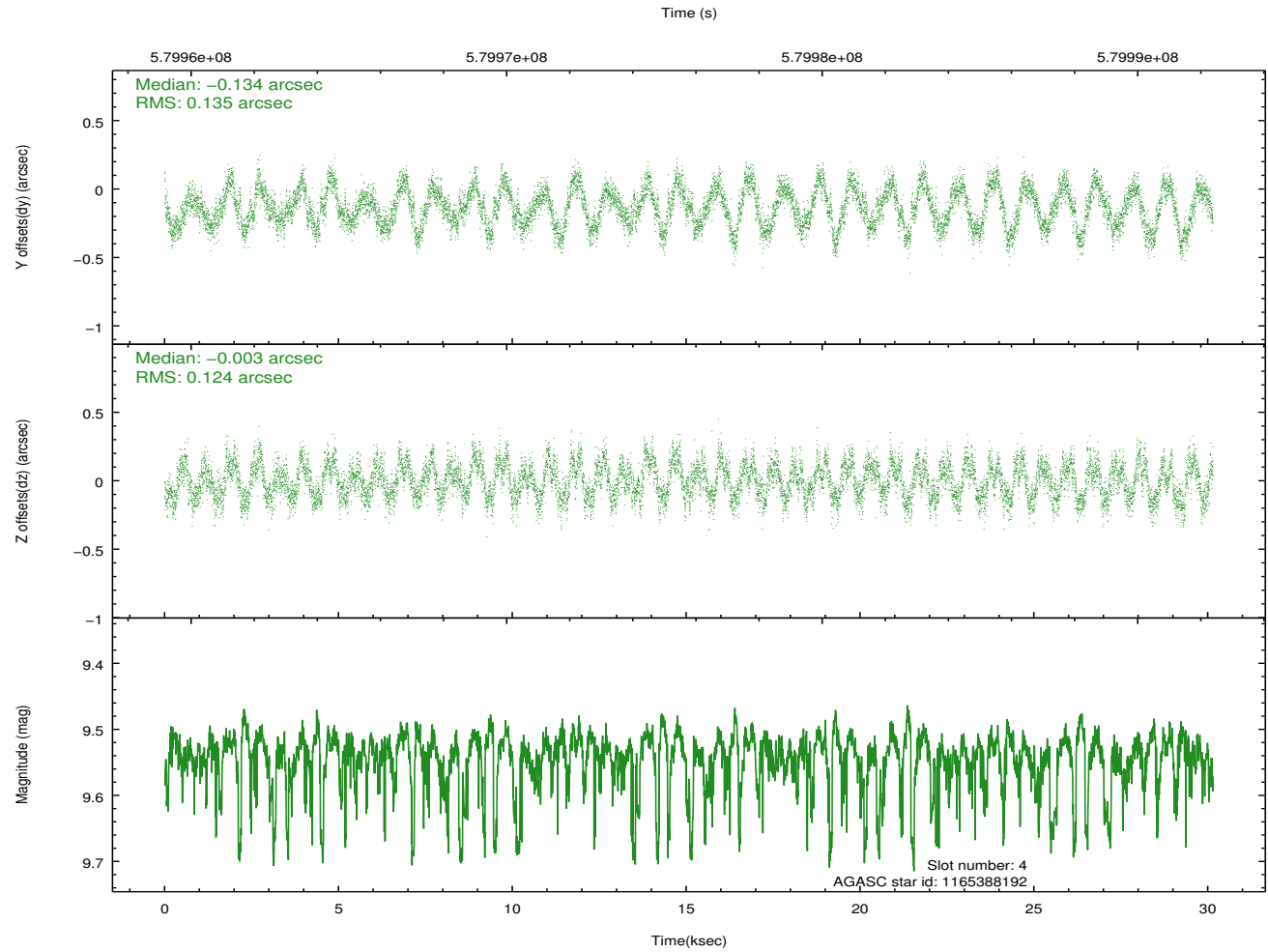
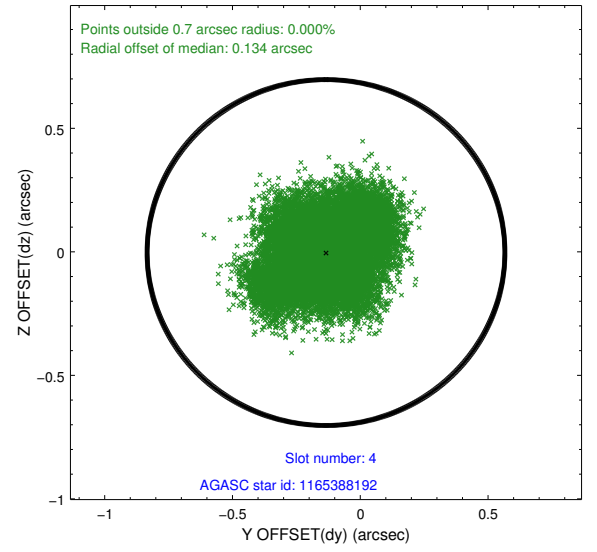
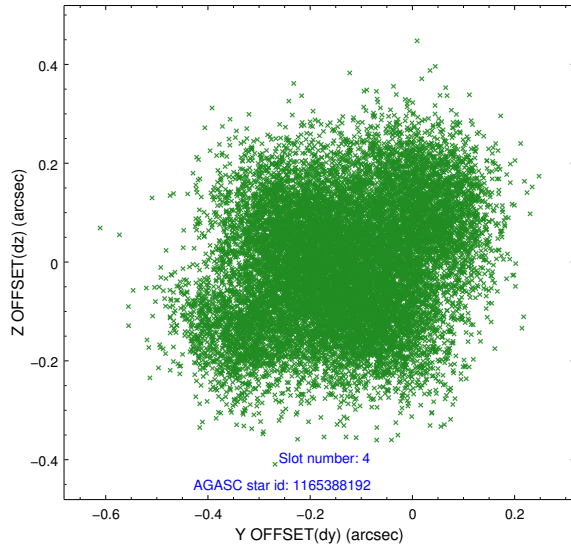
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.20	7351	0.019	-0.062	0.023	0.047	0.000000	0.000000	932.66	-1733.48
1	FID		ACIS-S-4	7.23	7352	0.302	0.042	0.019	0.046	0.000000	0.000000	2150.36	170.71
2	FID		ACIS-S-5	7.23	7352	-0.348	0.039	0.012	0.024	0.000000	0.000000	-1816.51	164.34
3	GUIDE	used	1165382424	8.35	14700	-0.050	0.034	0.095	0.158	82.355152	-66.439036	-217.00	-1563.84
4	GUIDE	used	1165388192	9.54	14682	-0.134	-0.003	0.202	0.301	83.515426	-67.345250	-866.99	2028.67
5	GUIDE	used	1165389384	9.59	14689	0.021	0.071	0.274	0.455	83.140057	-67.088536	-634.37	992.48
6	GUIDE	used	1165389632	9.72	14680	0.114	-0.145	0.150	0.252	83.535874	-67.250833	-993.15	1711.90
7	GUIDE	used	1200884736	9.67	14692	0.062	0.032	0.173	0.283	81.539080	-67.554590	1963.65	1998.76

2.4 Star Slots

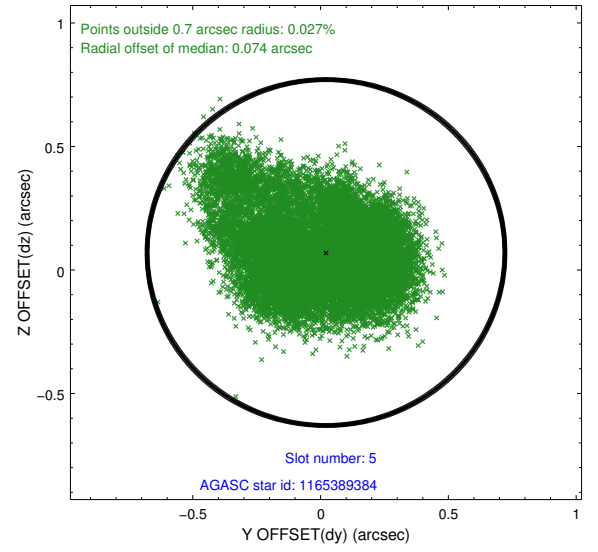
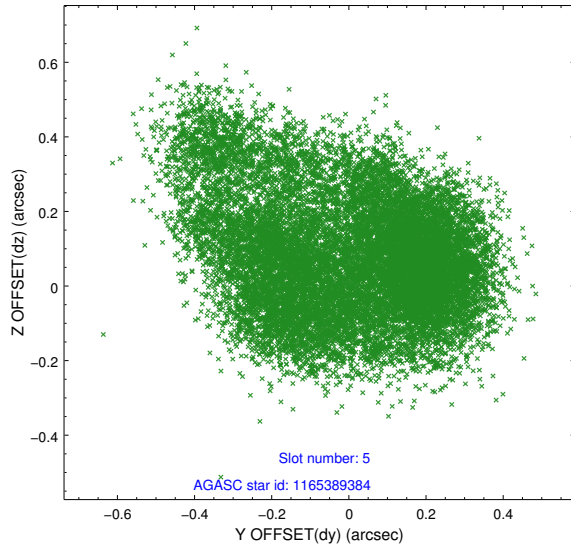
2.4.1 Slot 3



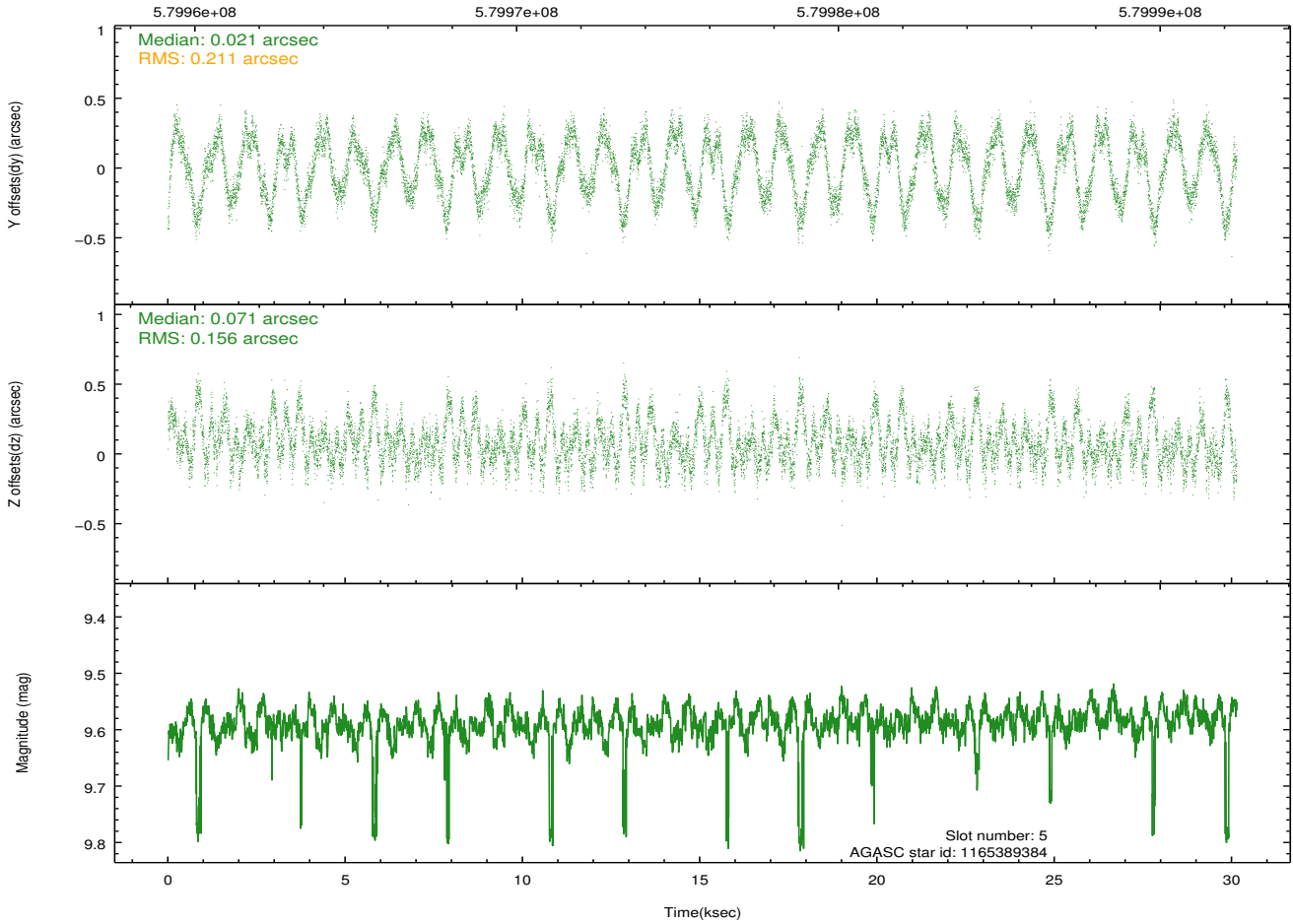
2.4.2 Slot 4



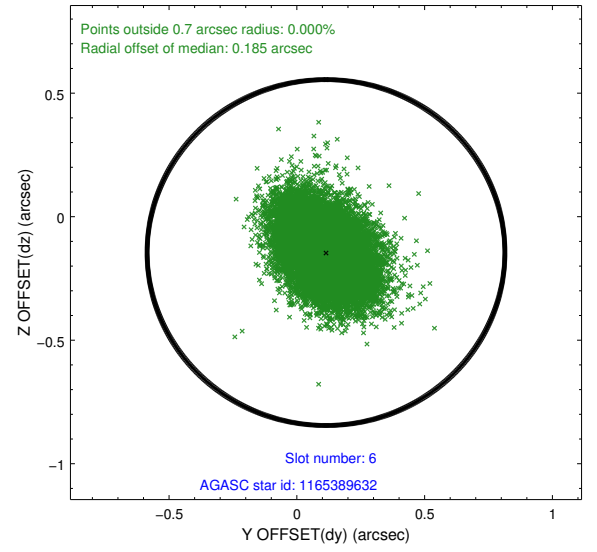
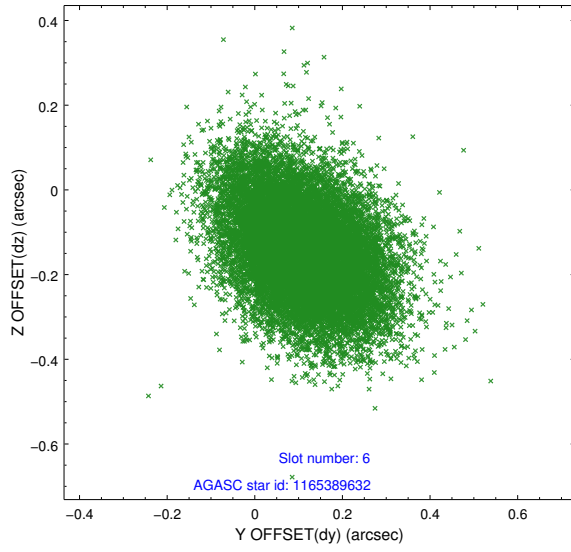
2.4.3 Slot 5



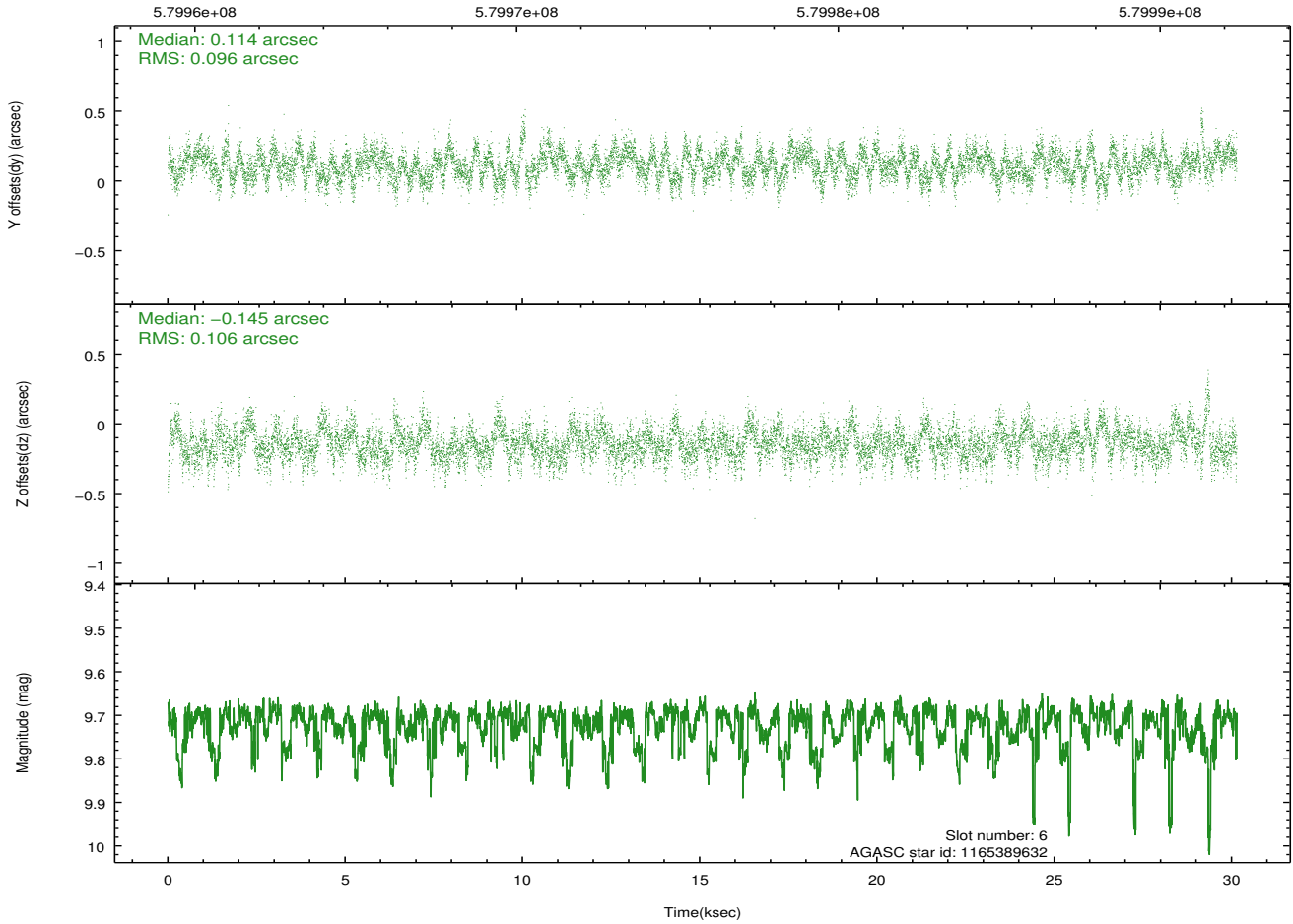
Time (s)



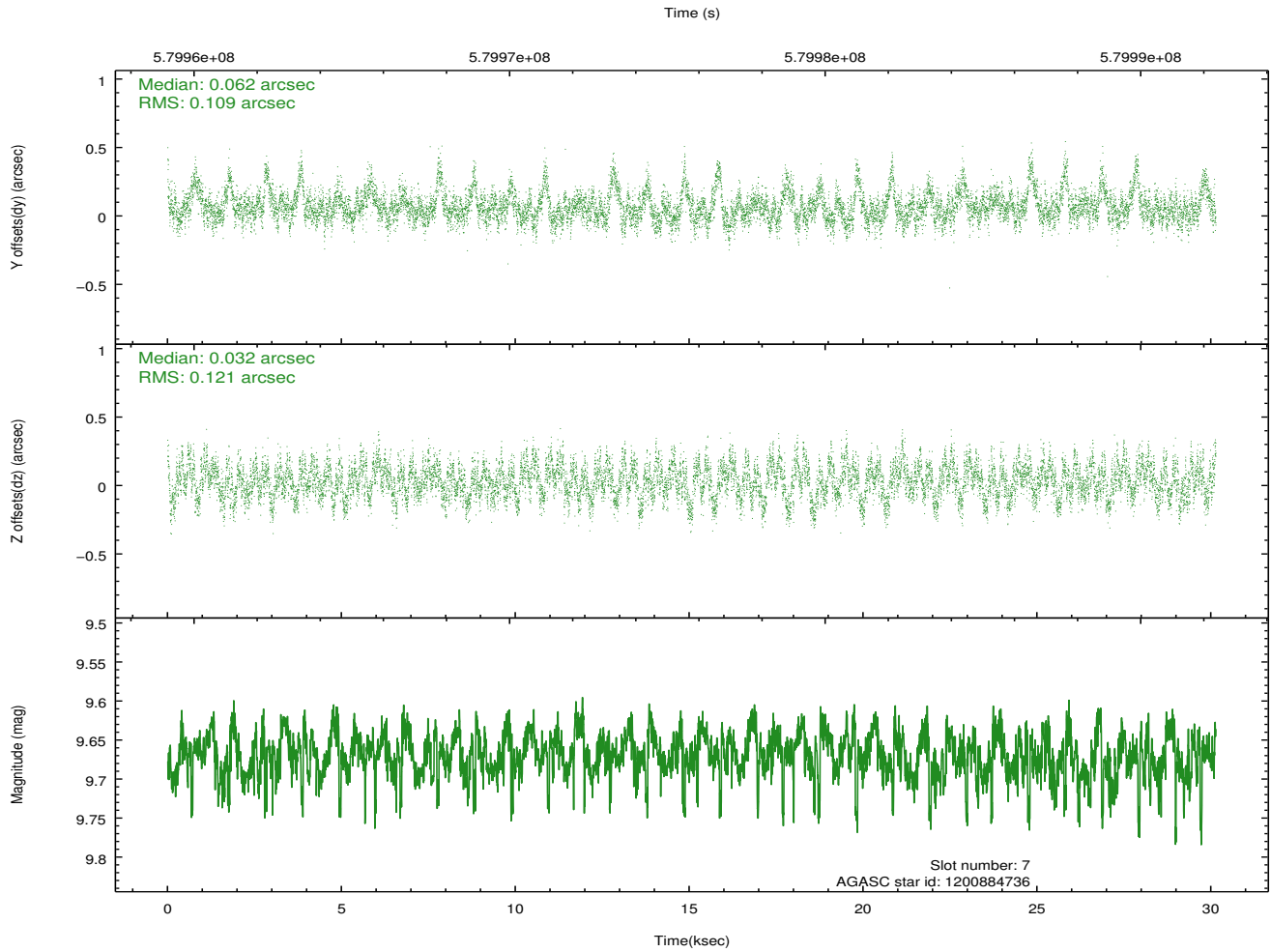
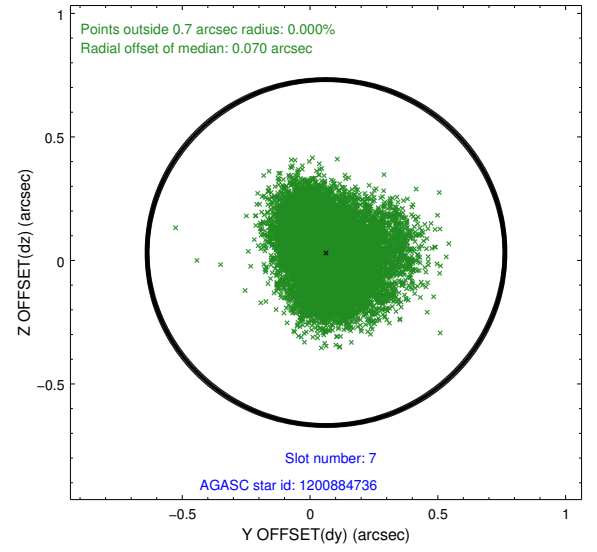
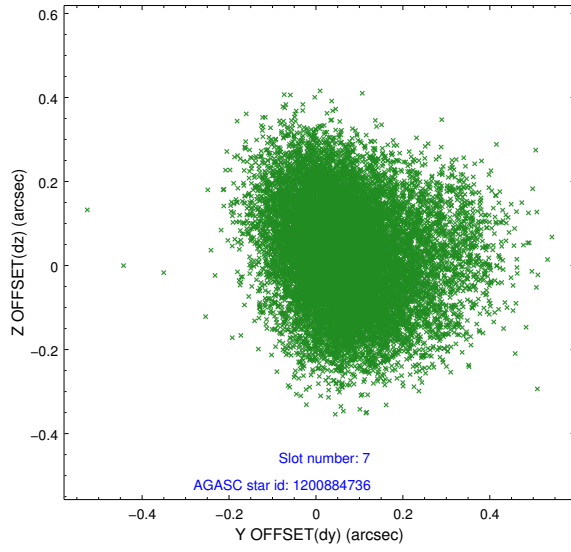
2.4.4 Slot 6



Time (s)

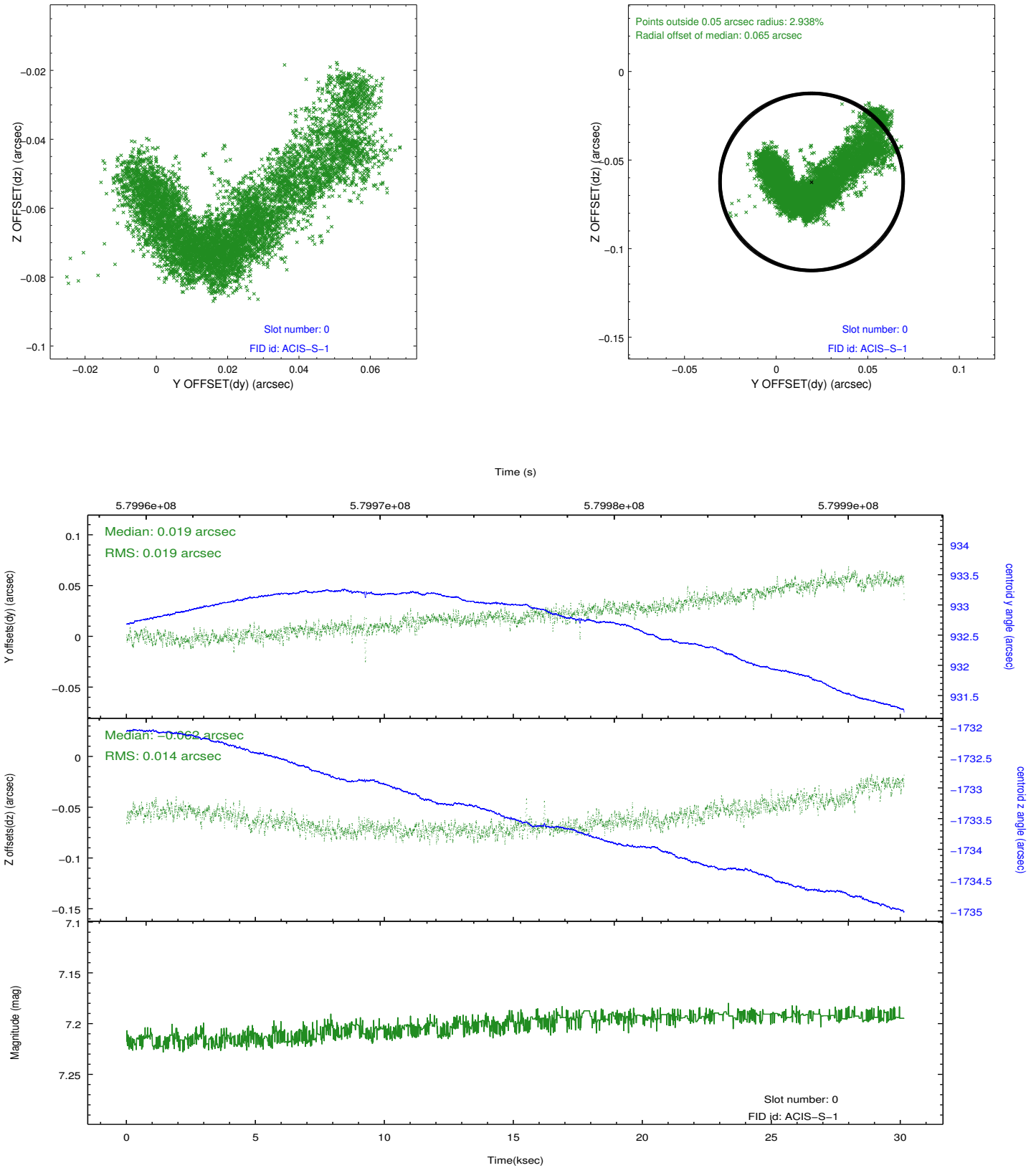


2.4.5 Slot 7

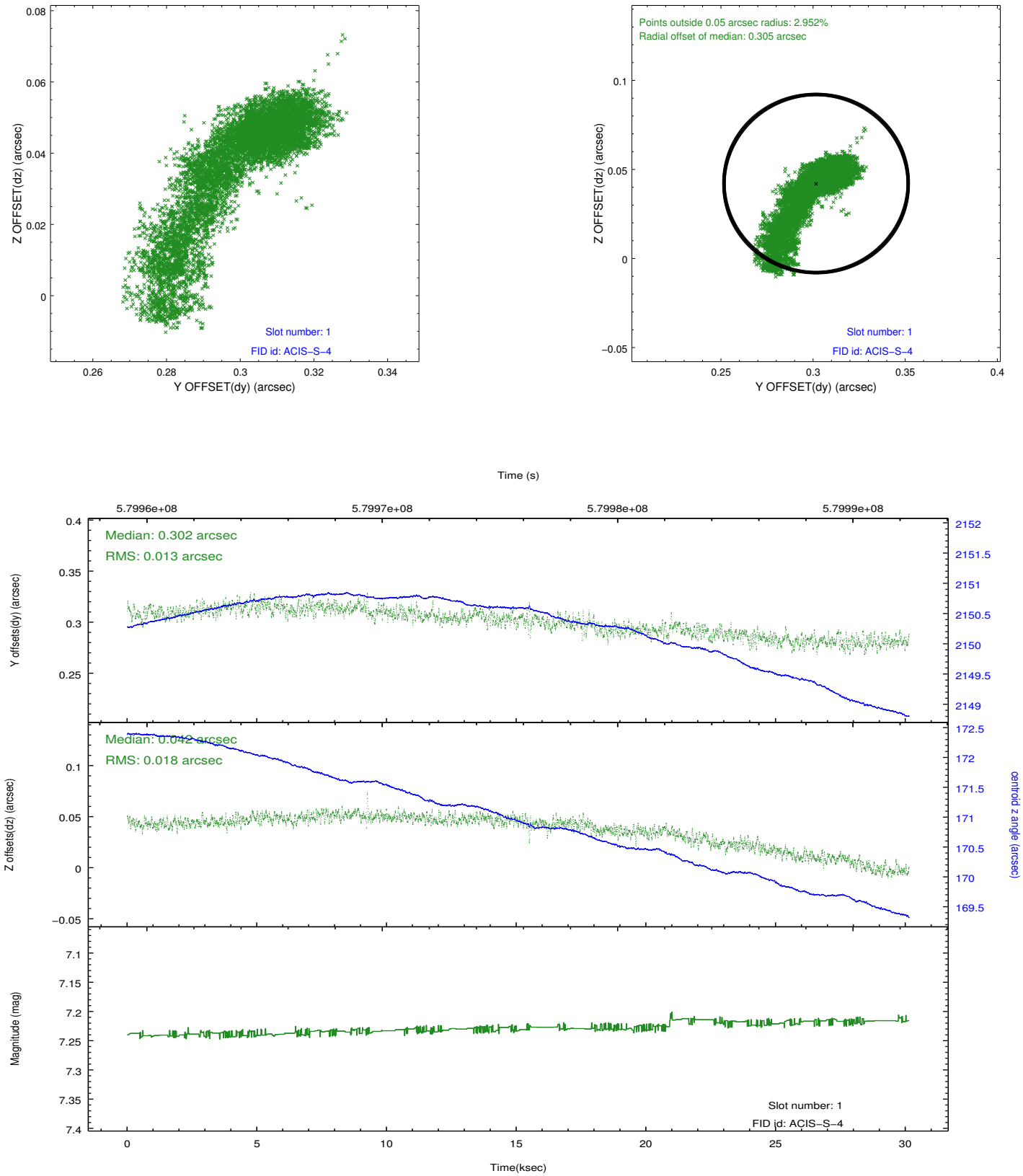


2.5 FID Slots

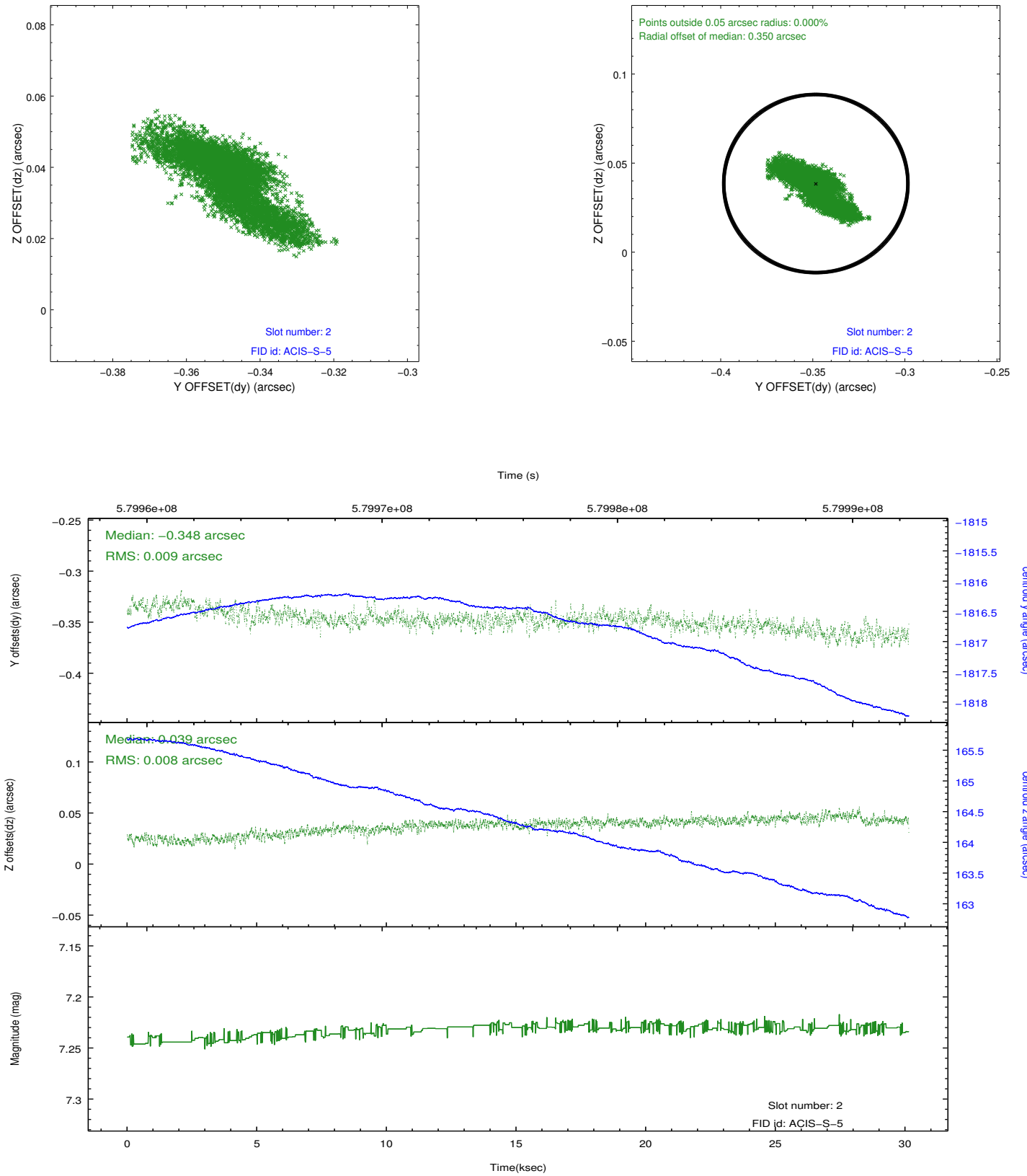
2.5.1 Slot 0



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)	2016.05.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.05760023129

A.2 Comments