

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2988 - L2 Version 3
Chandra X-Ray Center

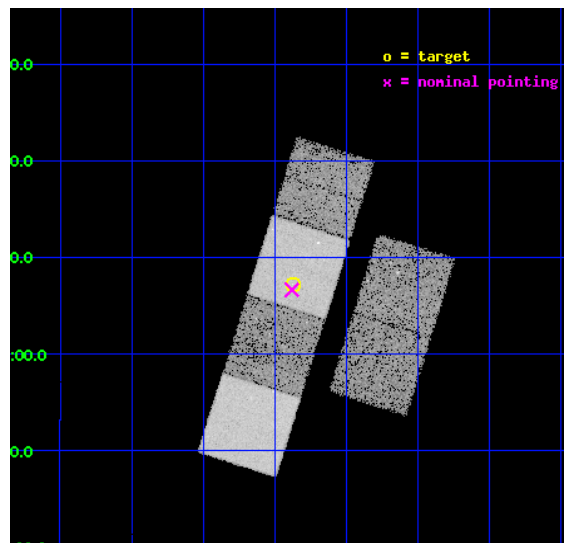
L2 Processing Date : Oct 1 2012

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1 Front

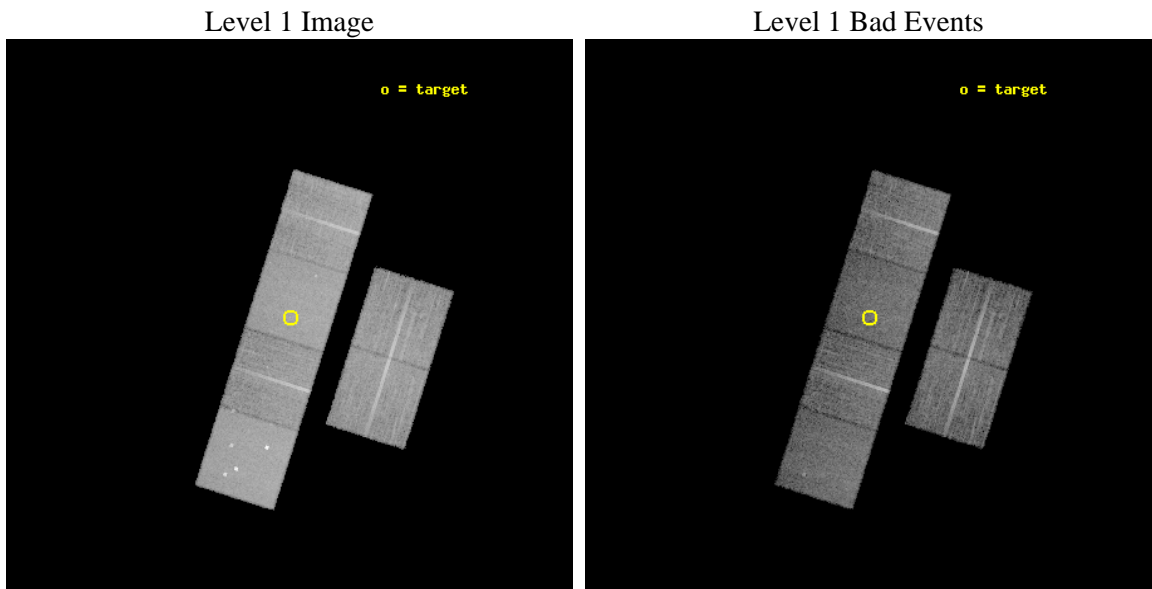
seq_num	700427	Sequence number
obs_id	2988	Observation id
title	CHANDRA OBSERVATIONS OF A POPULATION OF TYPE 2 QUASARS DISCOVERED IN THE DPOSS	Proposal title
observer	PROF. S. DJORGOVSKI	Principal investigator
object	PSS 0311+0407	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	47.843333	Observer's specified target RA [deg]
dec_targ	4.120556	Observer's specified target Dec [deg]
ra_nom	47.844603382963	Nominal RA [deg]
dec_nom	4.1109037422728	Nominal Dec [deg]
roll_nom	287.56866972685	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14960.000013918	Sum of GTIs [s]
livetime	14770.567485911	Livetime [s]
ontime2	14960.000013918	Sum of GTIs [s]
ontime3	14960.000013918	Sum of GTIs [s]
ontime5	14960.000013918	Sum of GTIs [s]
ontime6	14960.000013918	Sum of GTIs [s]
ontime7	14960.000013918	Sum of GTIs [s]
ontime8	14960.000013918	Sum of GTIs [s]
l2events	144145	Number of level 2 events



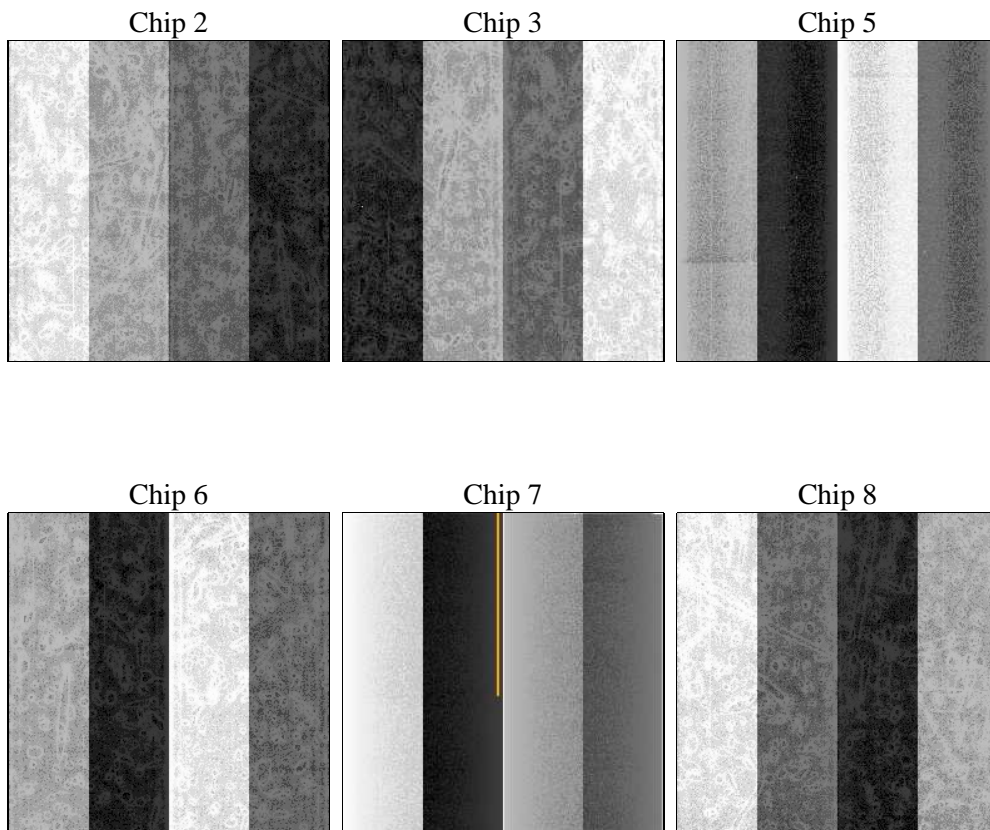
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	14960.000013918	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	14960.000013918	Sum of GTIs [s]
date	2012-10-01T05:57:04	Date and time of file creation	ontime3	14960.000013918	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	14960.000013918	Sum of GTIs [s]
			ontime6	14960.000013918	Sum of GTIs [s]
			ontime7	14960.000013918	Sum of GTIs [s]
			ontime8	14960.000013918	Sum of GTIs [s]
			l1events	656939	Number of level 1 events

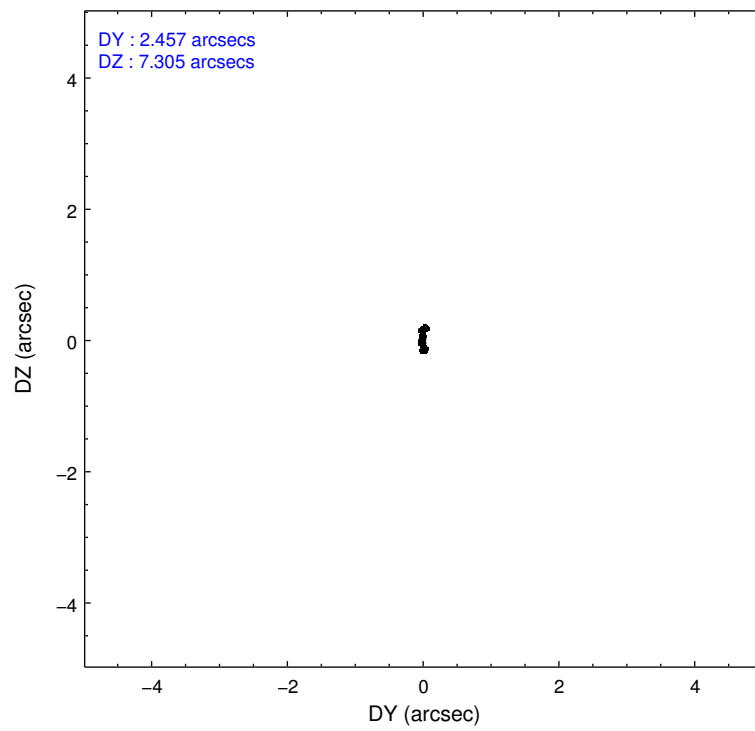
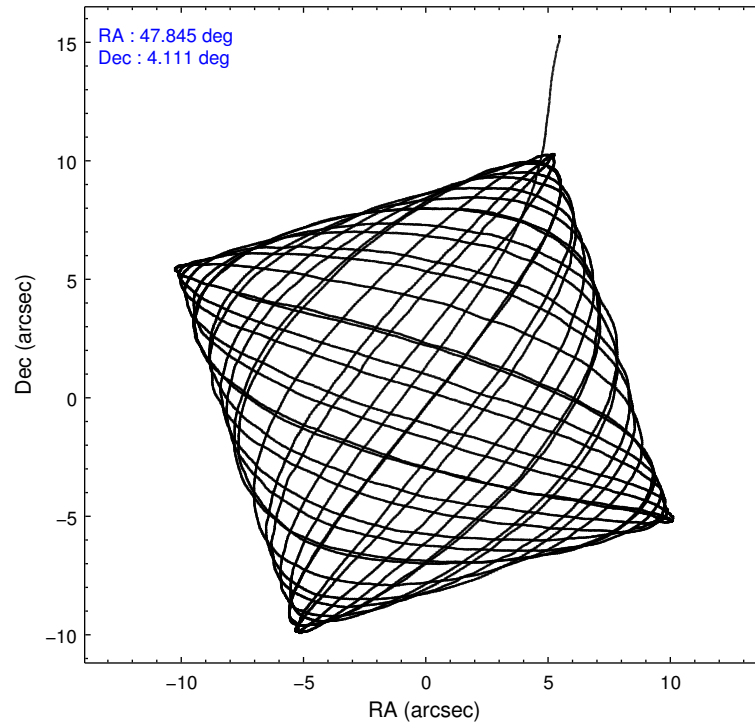
2.1.4 Events

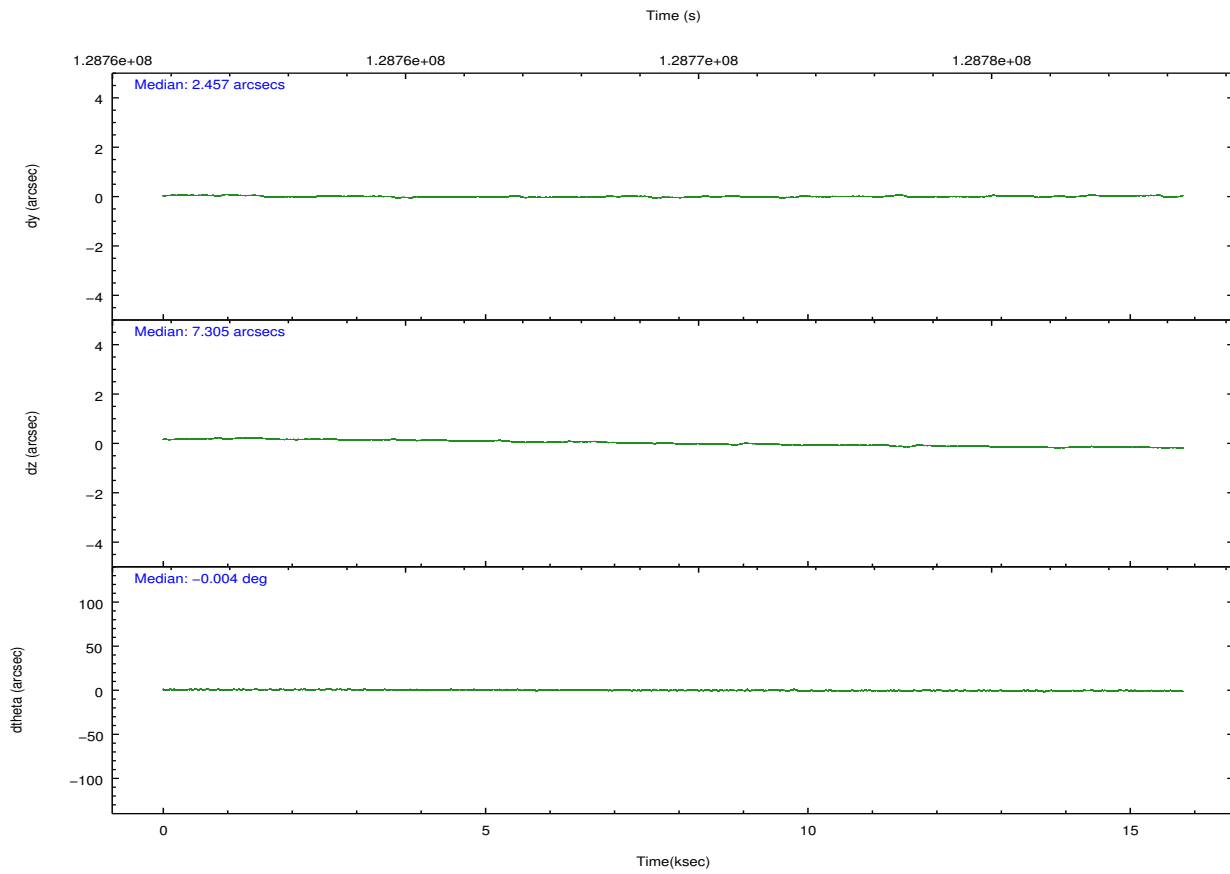
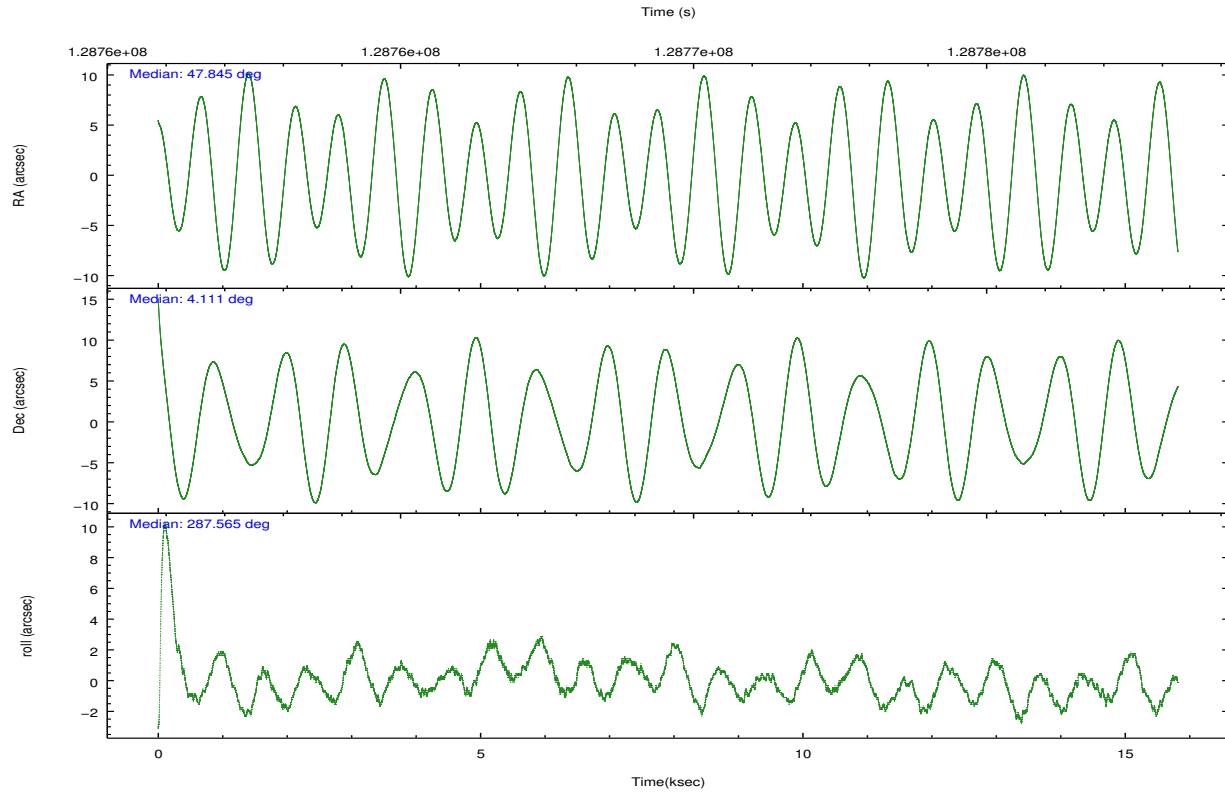
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	96313	91570	138375	92884	121249	116548	grade 0 events	4429	4481	11652	4443	4630	7827
rejected events	85648	80908	71650	81909	71125	91437		4%	4%	8%	4%	3%	6%
rejected %	88%	88%	51%	88%	58%	78%	grade 1 events	51	40	160	48	126	66
								0%	0%	0%	0%	0%	0%
							grade 2 events	2375	2222	18477	2271	9808	5517
								2%	2%	13%	2%	8%	4%
							grade 3 events	1006	992	2533	1104	4518	2877
								1%	1%	1%	1%	3%	2%
							grade 4 events	976	995	2364	995	4572	2658
								1%	1%	1%	1%	3%	2%
							grade 5 events	3362	3712	9760	4090	11810	4939
								3%	4%	7%	4%	9%	4%
							grade 6 events	1883	1975	31725	2168	26613	6259
								1%	2%	22%	2%	21%	5%
							grade 7 events	82231	77153	61704	77765	59172	86405
								85%	84%	44%	83%	48%	74%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	47.824195	47.84460338296316	Subarray requested	NONE	NONE
[deg] Pointing Dec	4.129067	4.110903742272757	Alternating exposures requested	N	N
[deg] Pointing Roll	287.413516	287.5686697268484	[s] Primary exposure time	0.000000	3.2
[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)	128762472.184000	128761197.51367			
Observation start date	2002-01-30T07:20:08	2002-01-30T06:59:57			
[s] Observation end time (MET)	128777472.184000	128778161.26435			
Observation end date	2002-01-30T11:30:08	2002-01-30T11:42:41			
Read mode	TIMED	TIMED			

2.3 Aspect



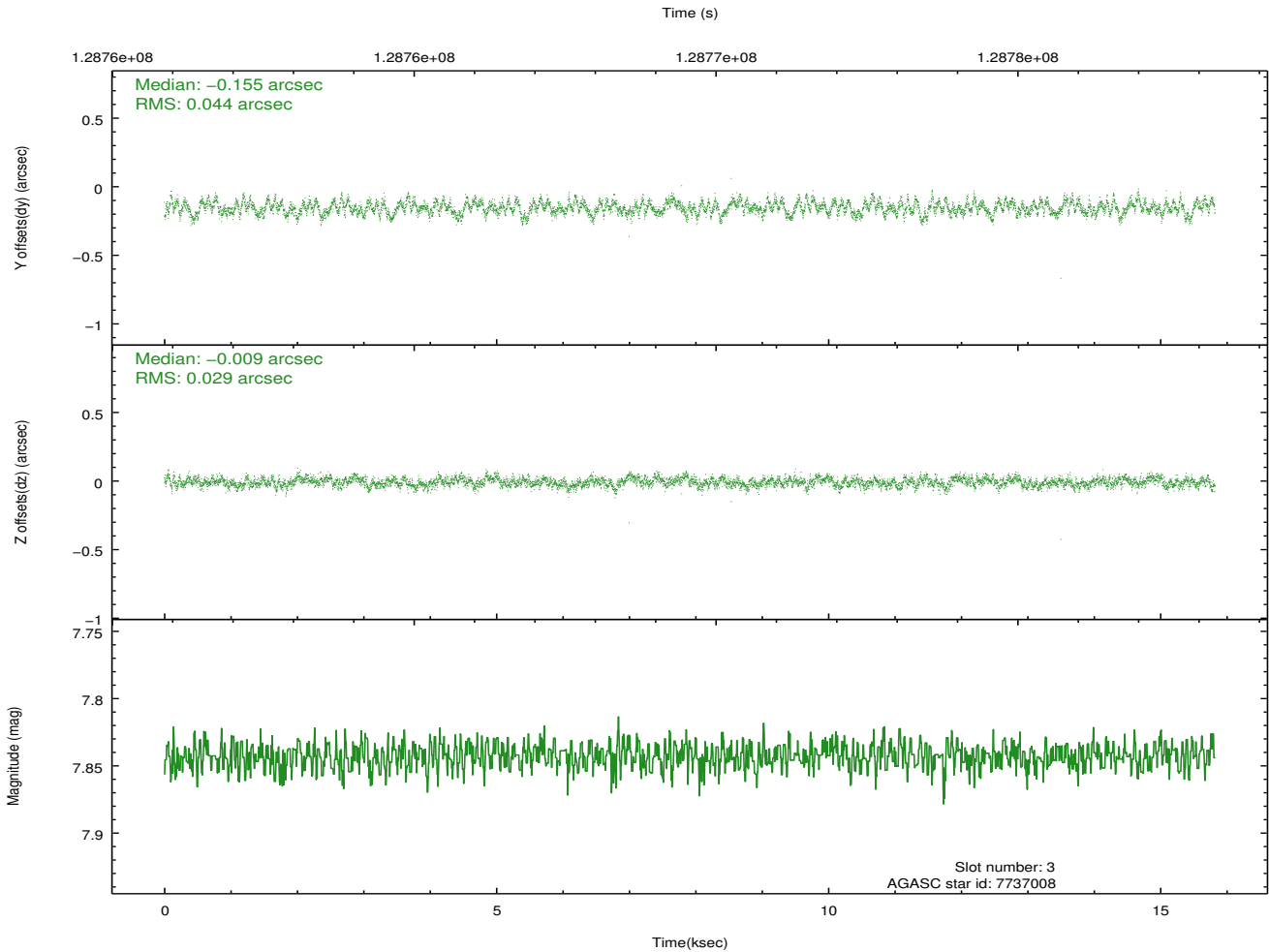
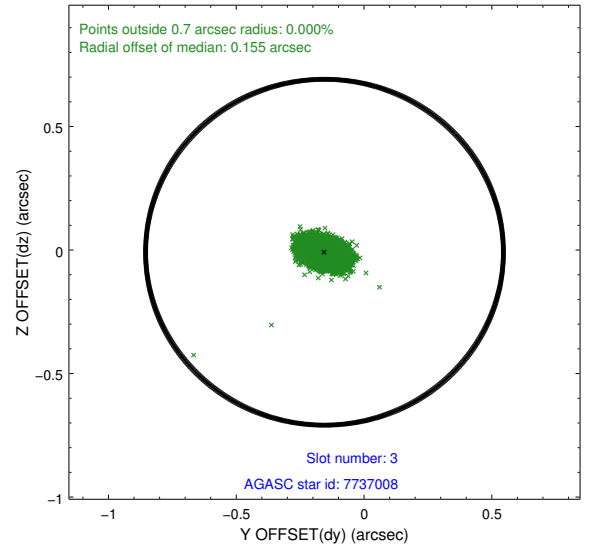
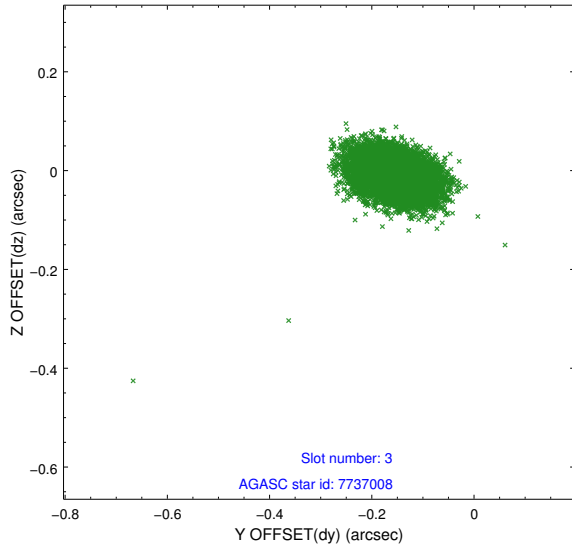


Slot Statistics

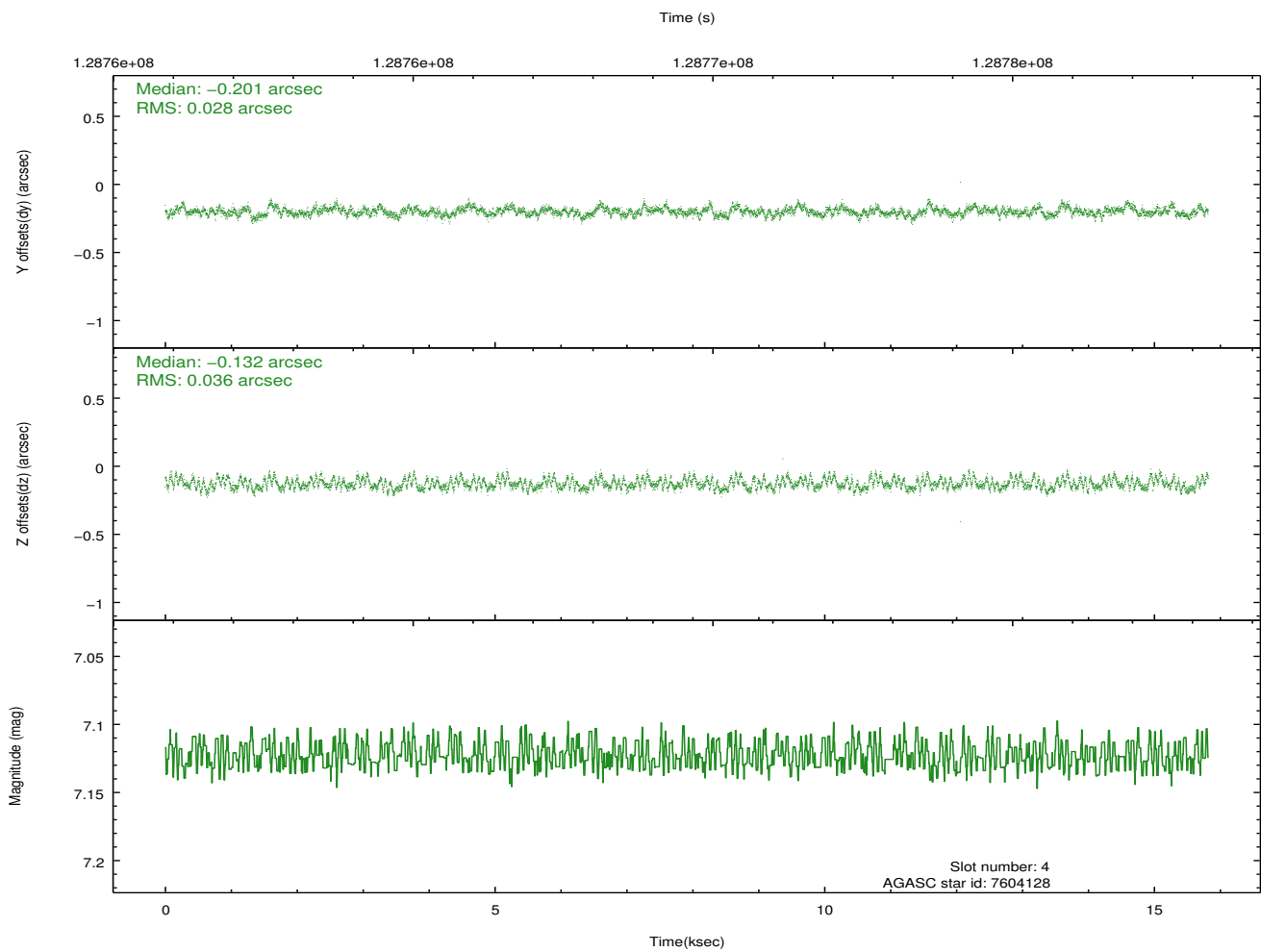
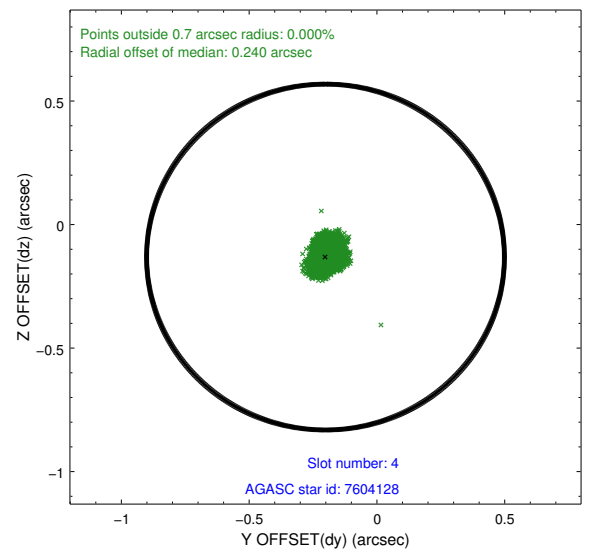
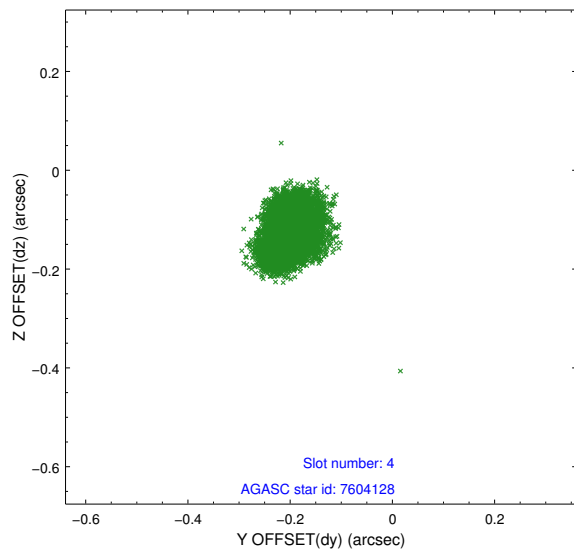
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	3859	-0.012	0.008	0.007	0.011	0.000000	0.000000	-755.11	-1728.48
1	FID	ACIS-S-4	7.20	3859	-0.051	0.004	0.005	0.010	0.000000	0.000000	2158.01	179.70
2	FID	ACIS-S-5	7.24	3859	0.031	-0.002	0.007	0.011	0.000000	0.000000	-1807.54	173.70
3	GUIDE	7737008	7.84	7717	-0.155	-0.009	0.055	0.092	47.893265	4.723267	-1966.88	876.20
4	GUIDE	7604128	7.12	7718	-0.201	-0.132	0.049	0.078	47.412135	4.384216	-1319.61	-1136.68
5	GUIDE	7742104	9.25	7716	0.238	0.105	0.086	0.138	48.376498	3.638513	2278.55	1364.87
6	GUIDE	7739992	9.36	7716	0.003	-0.041	0.074	0.123	47.606496	4.258171	-676.85	-606.82
7	GUIDE	7738856	9.48	7715	0.115	0.074	0.091	0.146	48.151508	3.961069	928.88	940.44

2.4 Star Slots

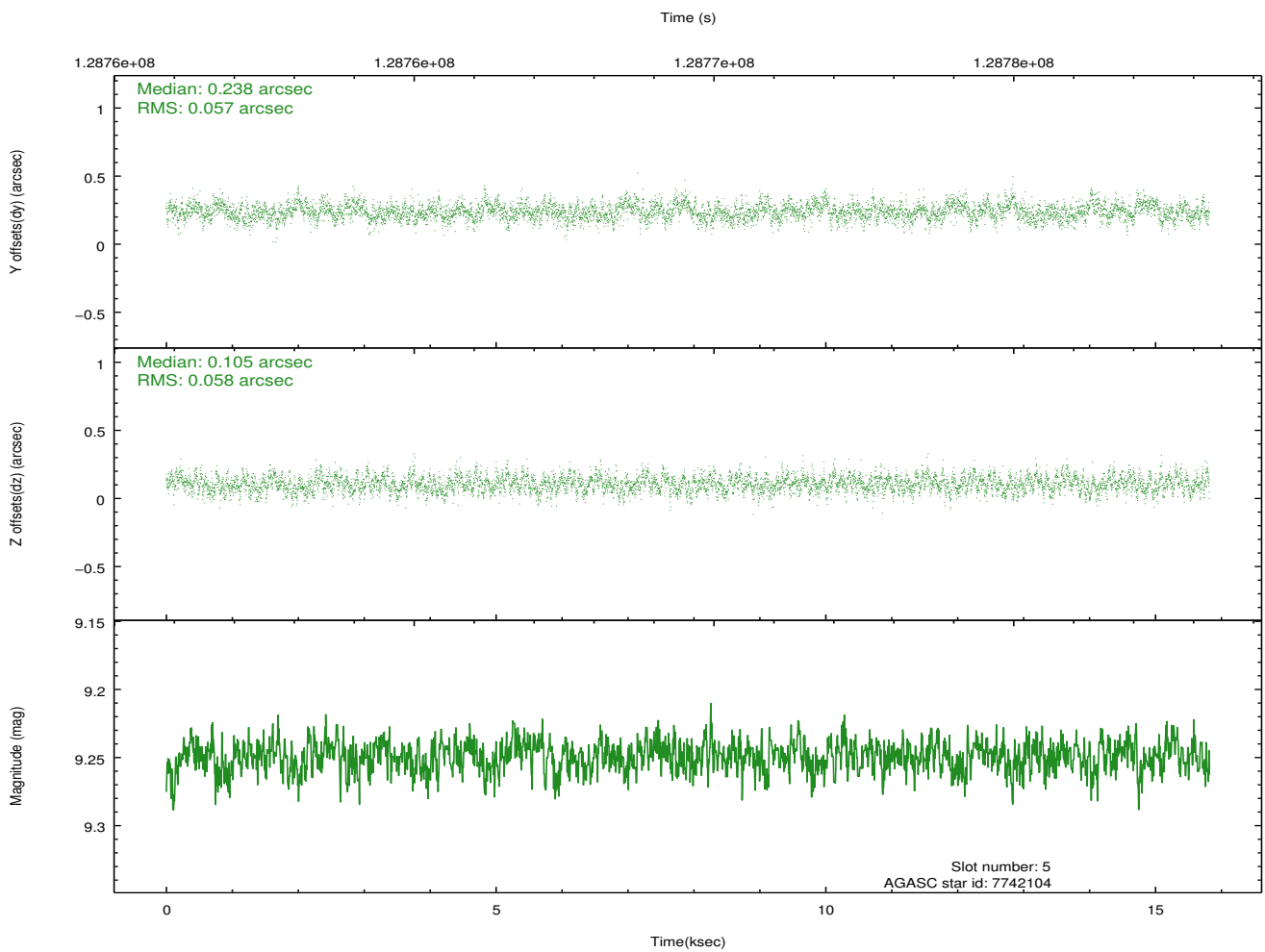
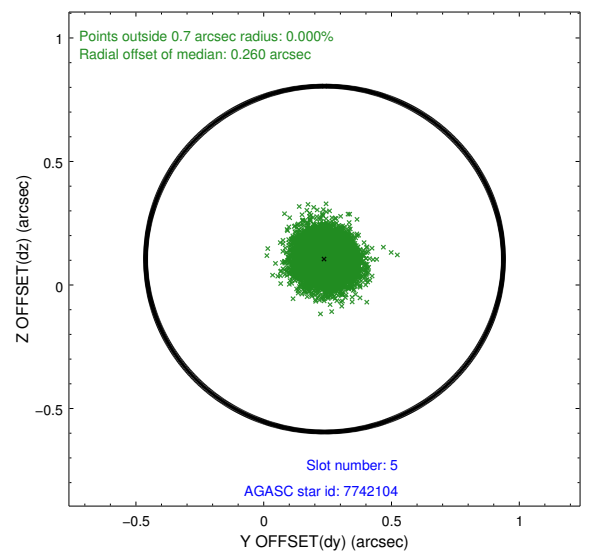
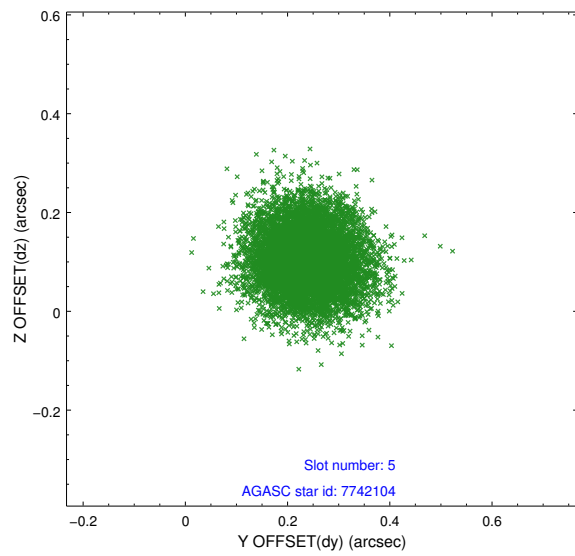
2.4.1 Slot 3



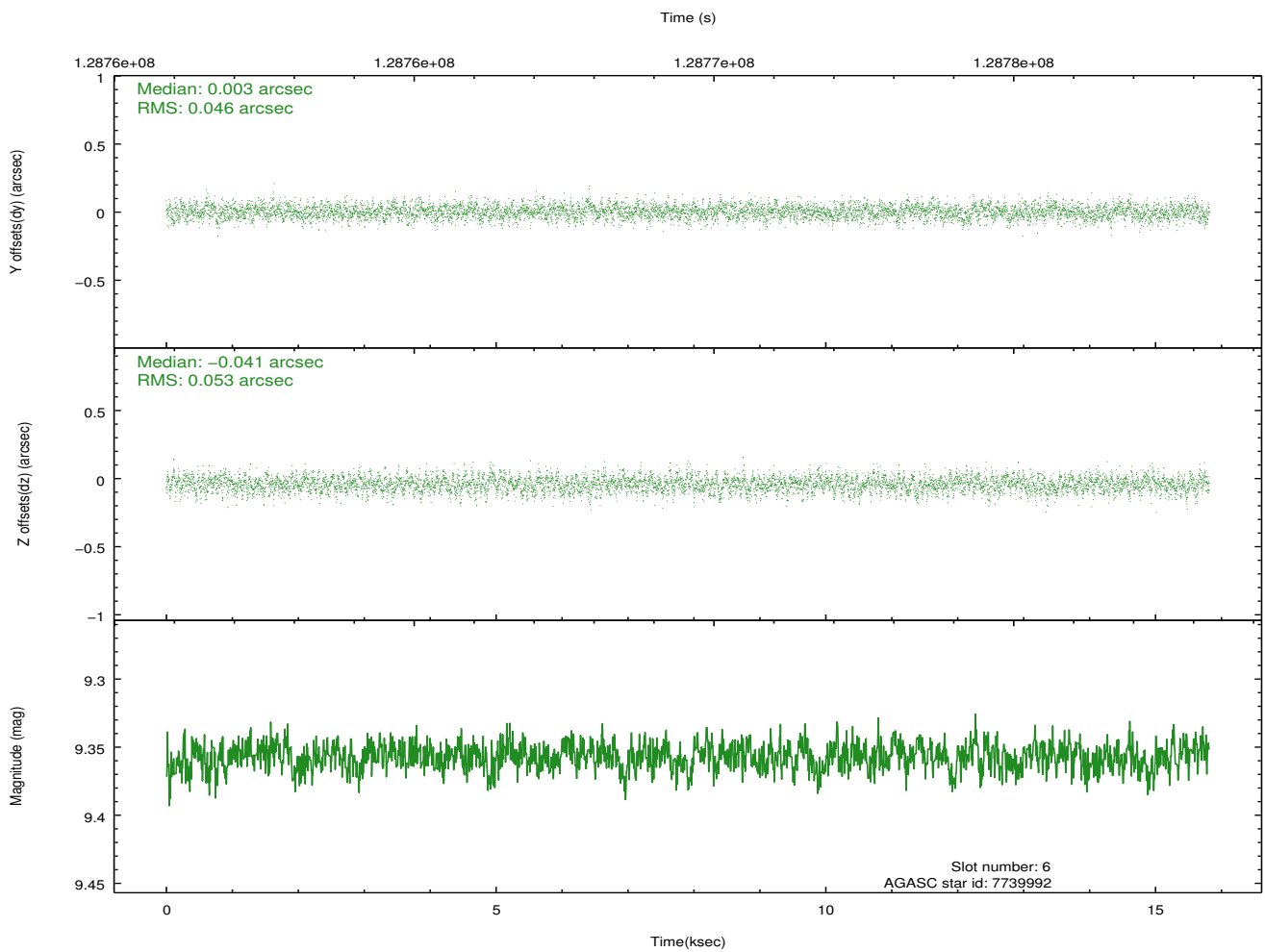
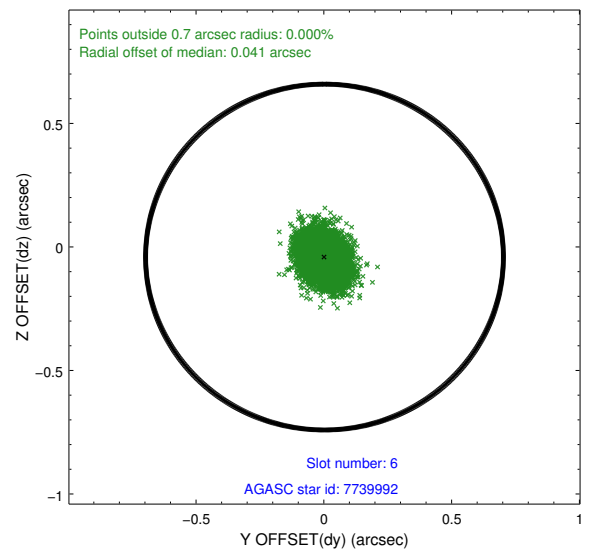
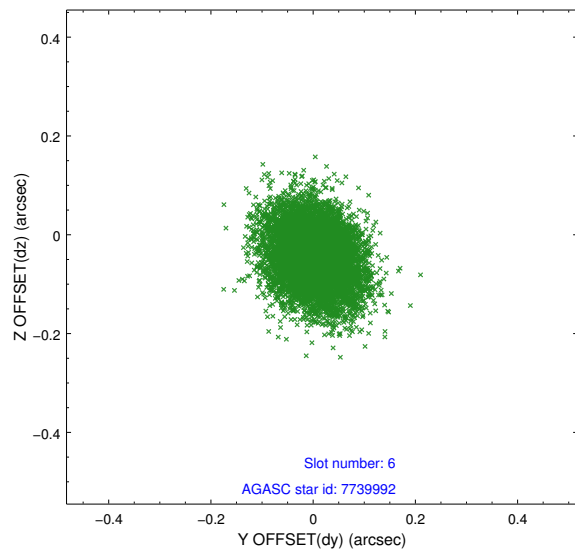
2.4.2 Slot 4



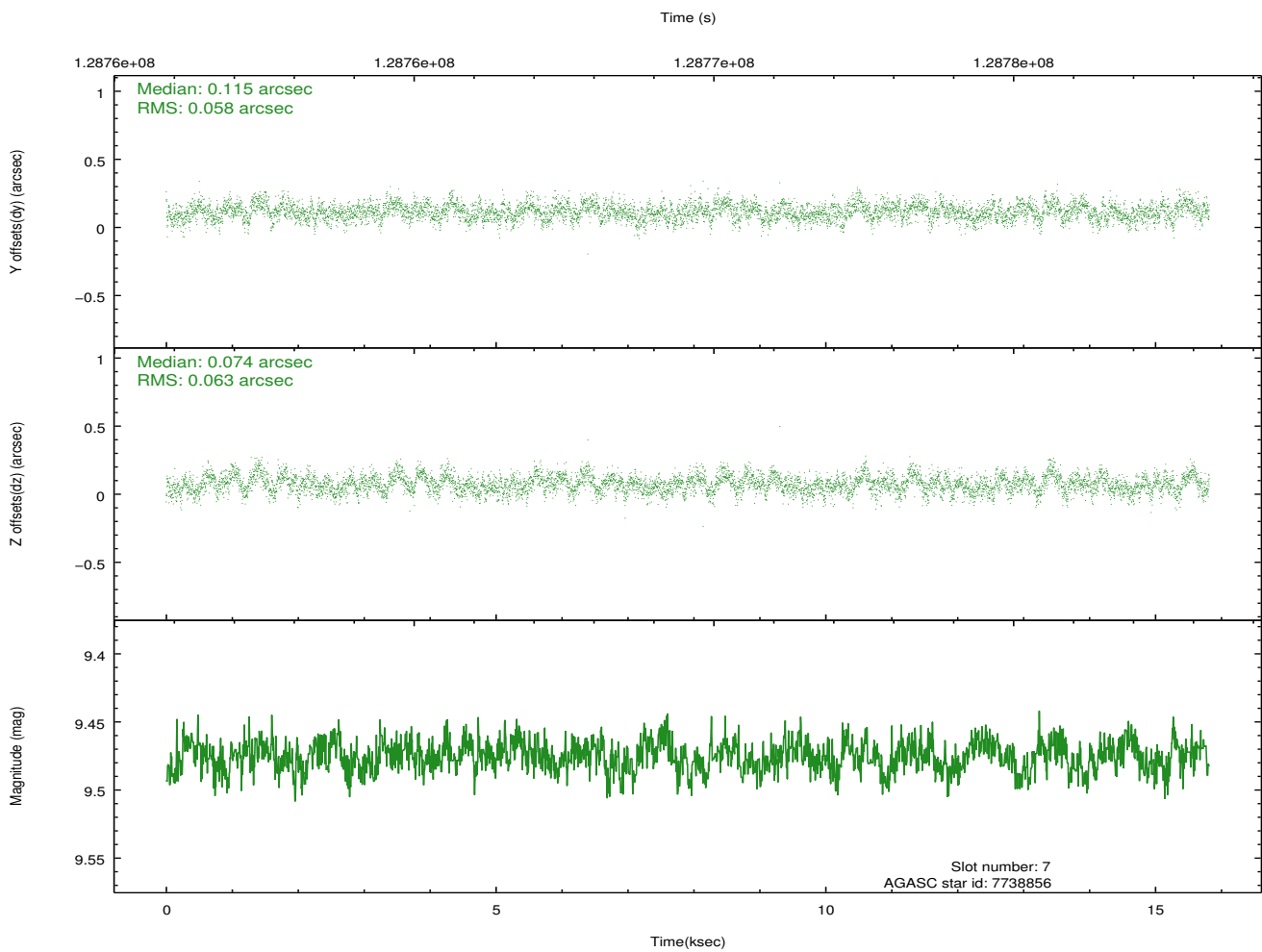
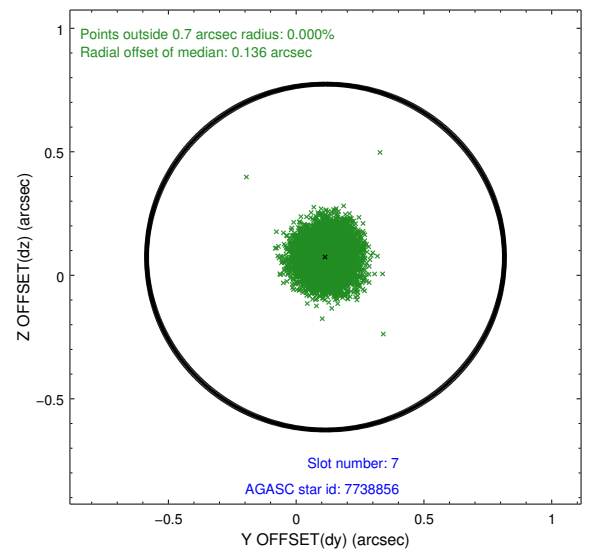
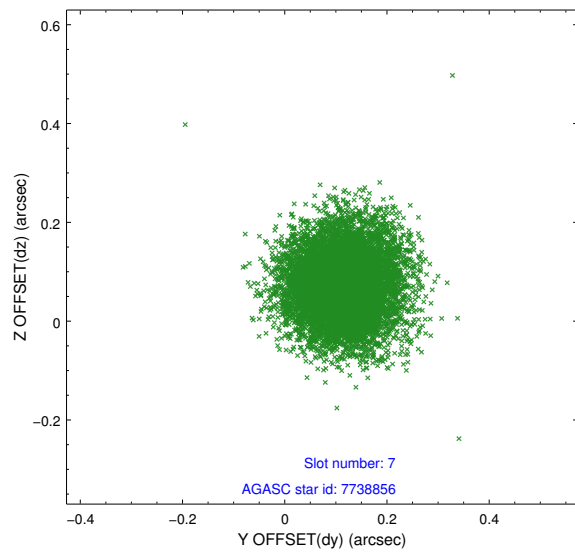
2.4.3 Slot 5



2.4.4 Slot 6

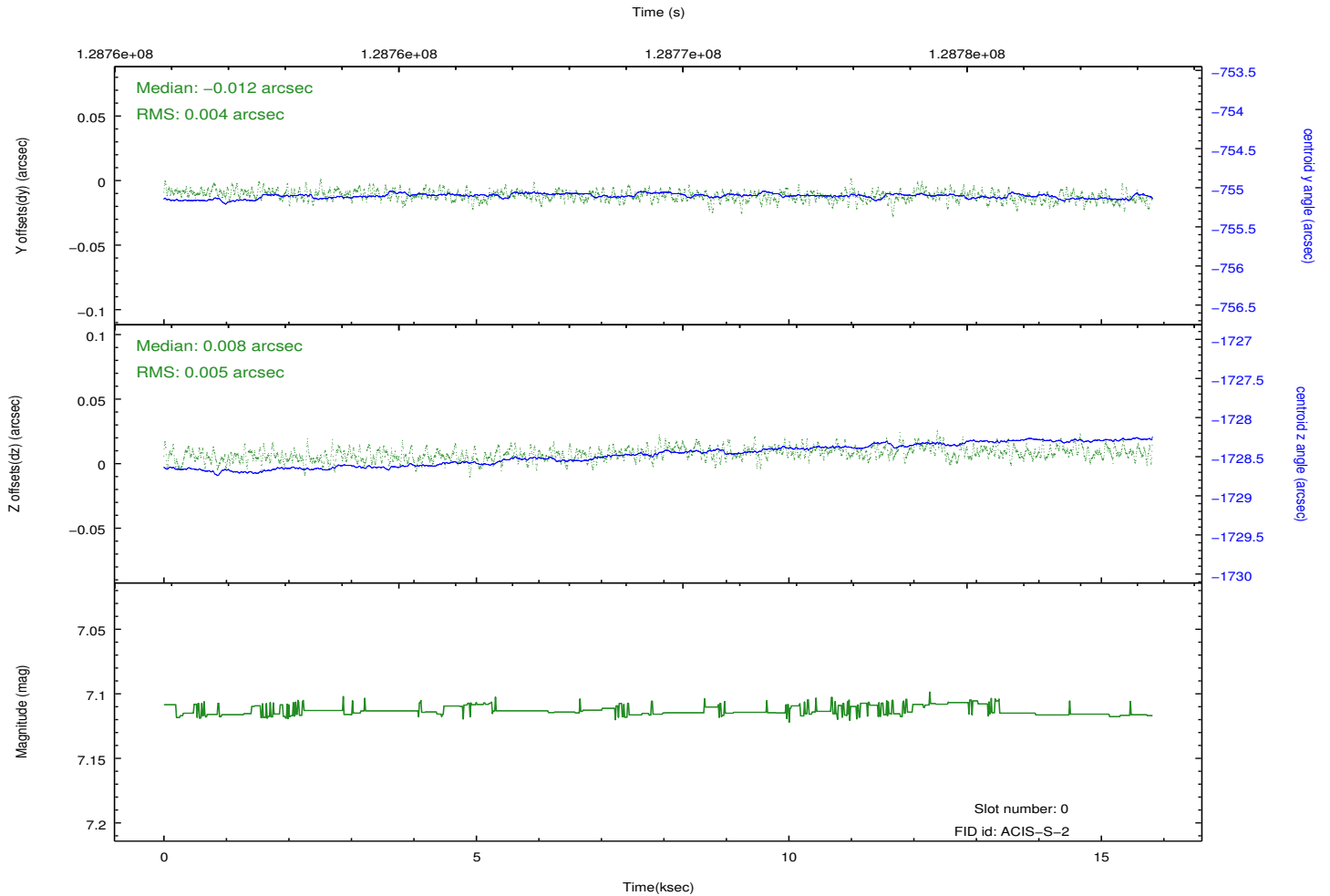
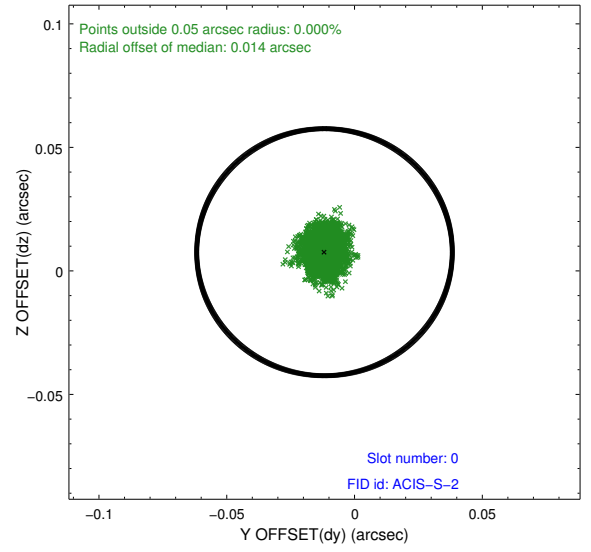
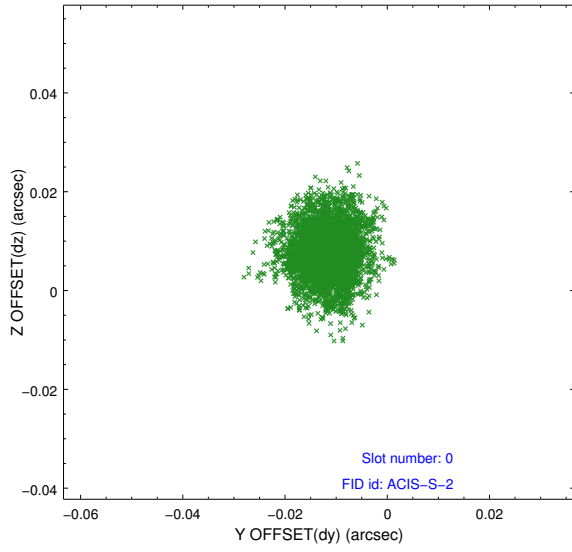


2.4.5 Slot 7

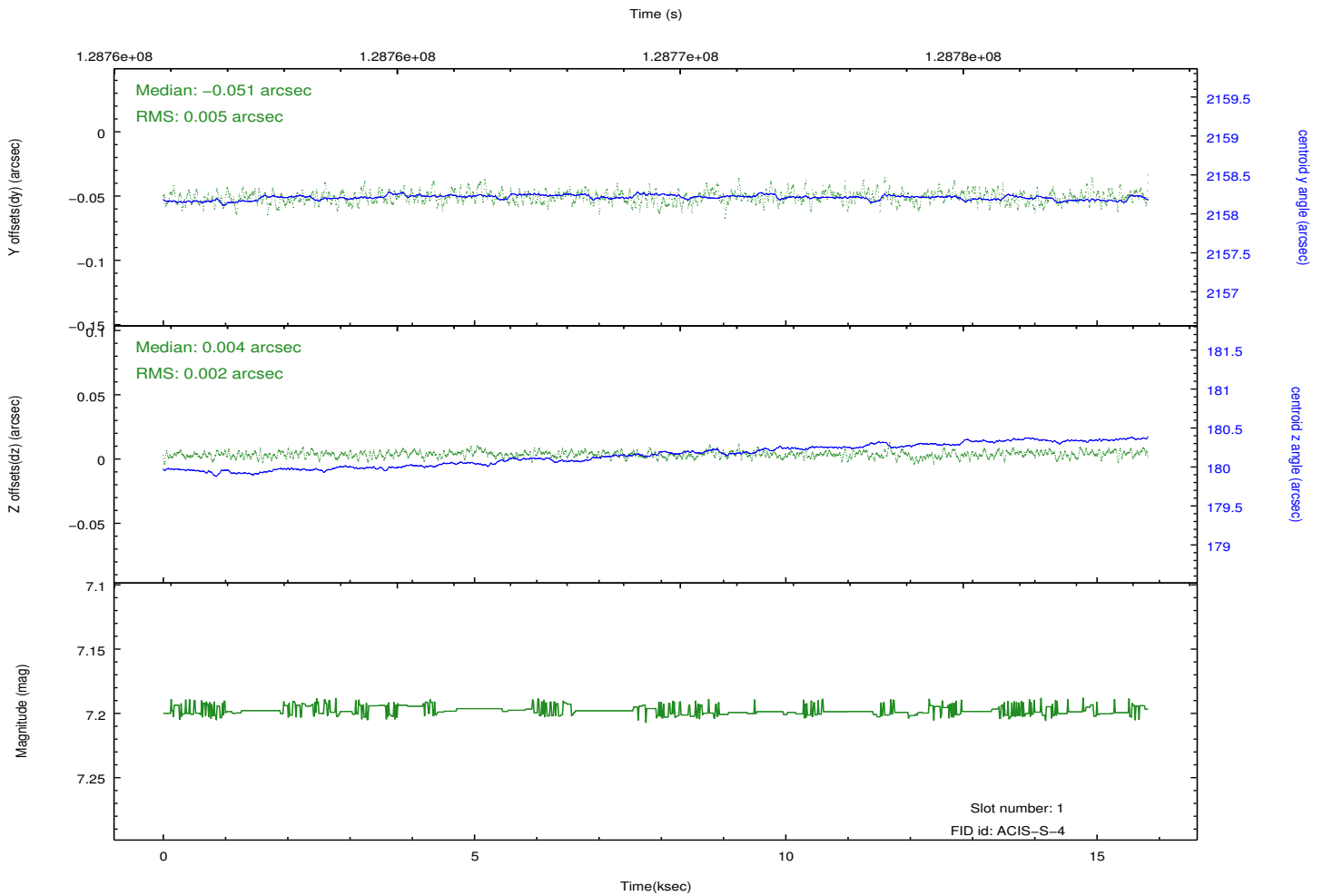
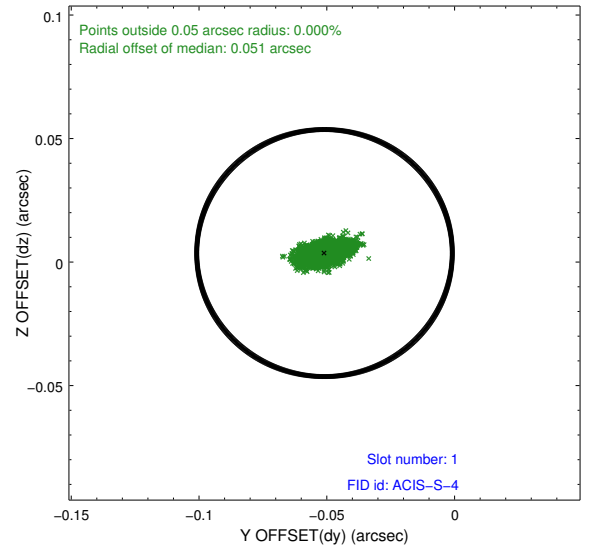
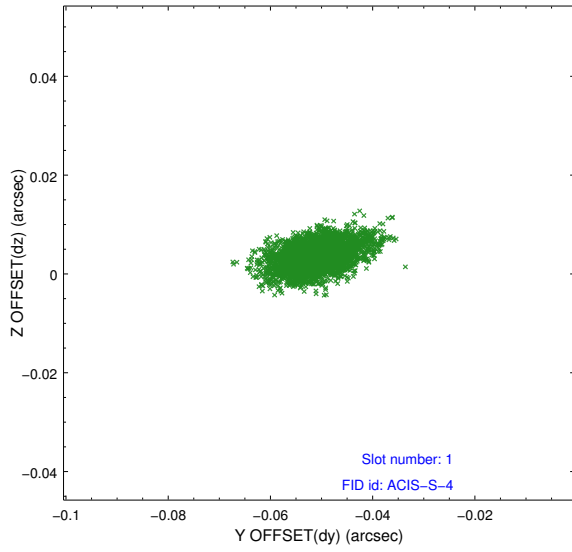


2.5 FID Slots

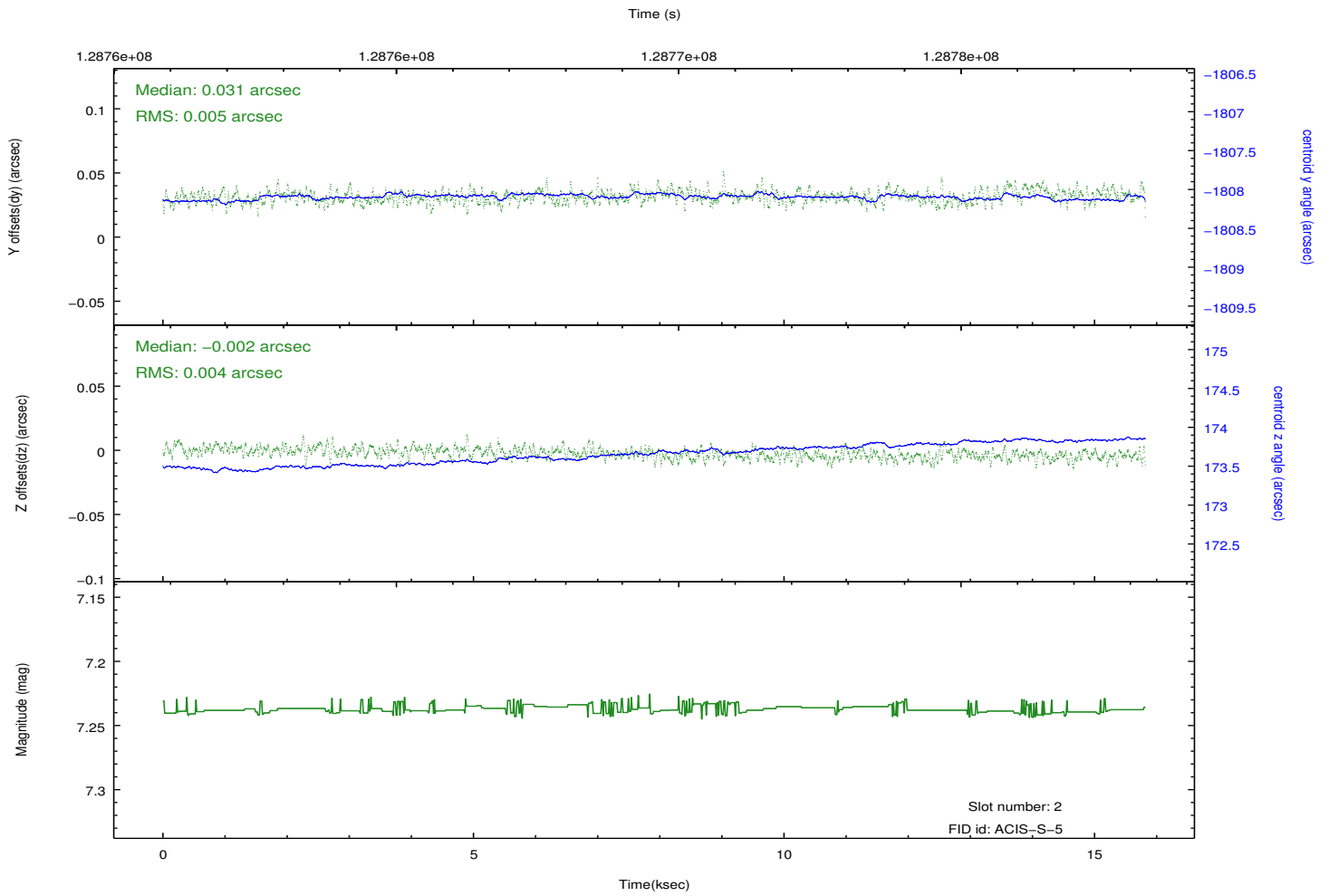
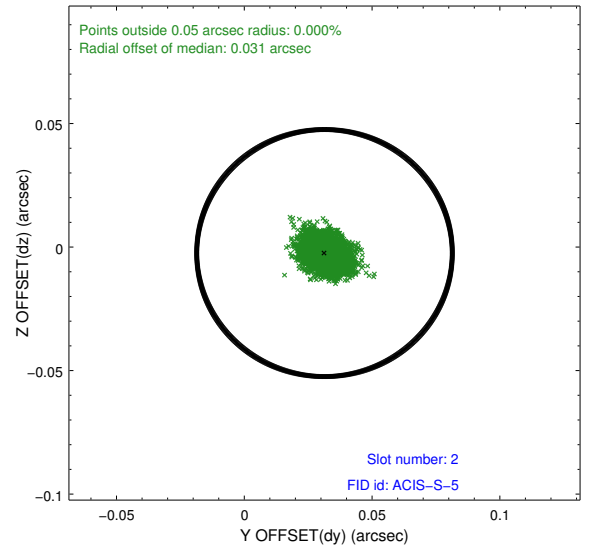
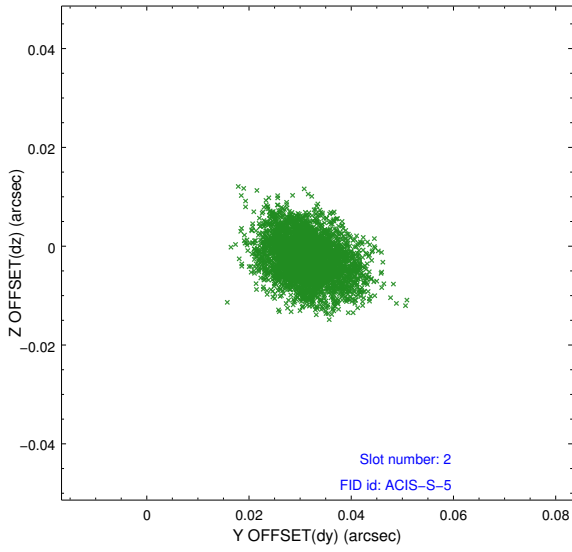
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.963

A.2 Comments