

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4378 - L2 Version 3
Chandra X-Ray Center

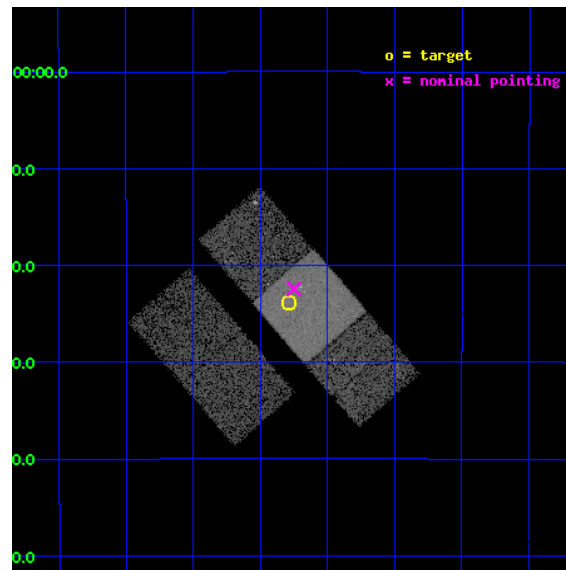
L2 Processing Date : Oct 20 2012

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1 Front

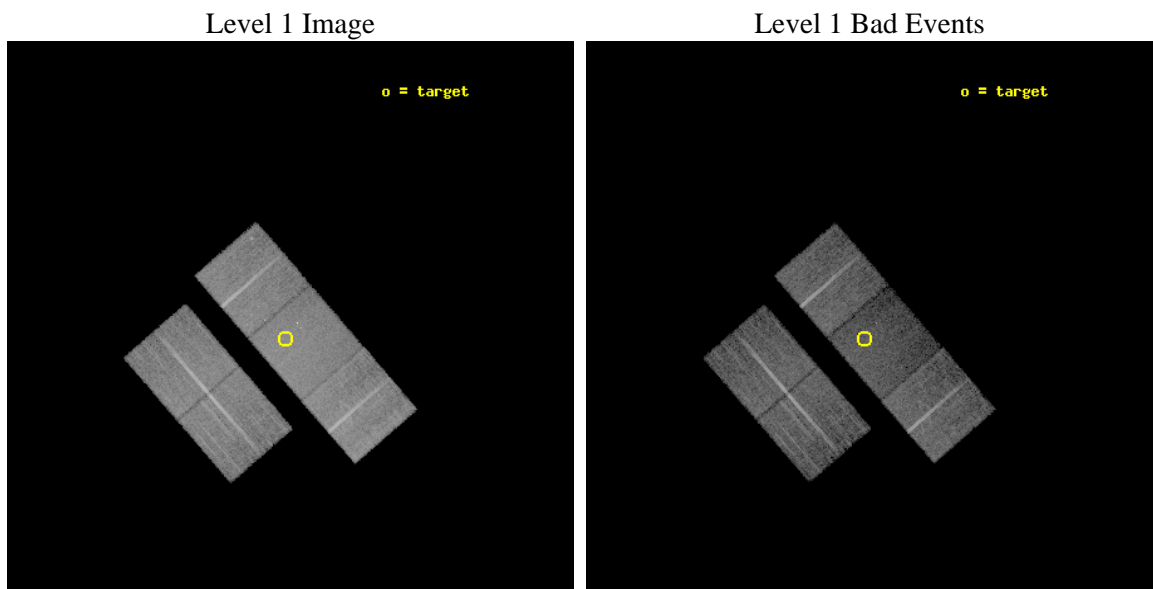
seq_num	800374	Sequence number
obs_id	4378	Observation id
title	MASS CONTENT & DYNAMICAL STATE OF 3 OPTICALLY SELECTED HIGH Z ($Z>0.8$) CLUSTERS	Proposal title
observer	DR MONIQUE ARNAUD	Principal investigator
object	EIS0954-2023/22	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.697917	Observer's specified target RA [deg]
dec_targ	-20.398667	Observer's specified target Dec [deg]
ra_nom	148.68776217648	Nominal RA [deg]
dec_nom	-20.373995170386	Nominal Dec [deg]
roll_nom	49.120259599205	Nominal Roll [deg]
revision	3	Processing version of data
ontime	15143.499970853	Sum of GTIs [s]
livetime	14945.638995252	Livetime [s]
ontime2	15140.359000653	Sum of GTIs [s]
ontime3	15137.218010426	Sum of GTIs [s]
ontime6	15143.499970853	Sum of GTIs [s]
ontime7	15143.499970853	Sum of GTIs [s]
ontime8	15143.499970853	Sum of GTIs [s]
l2events	68737	Number of level 2 events



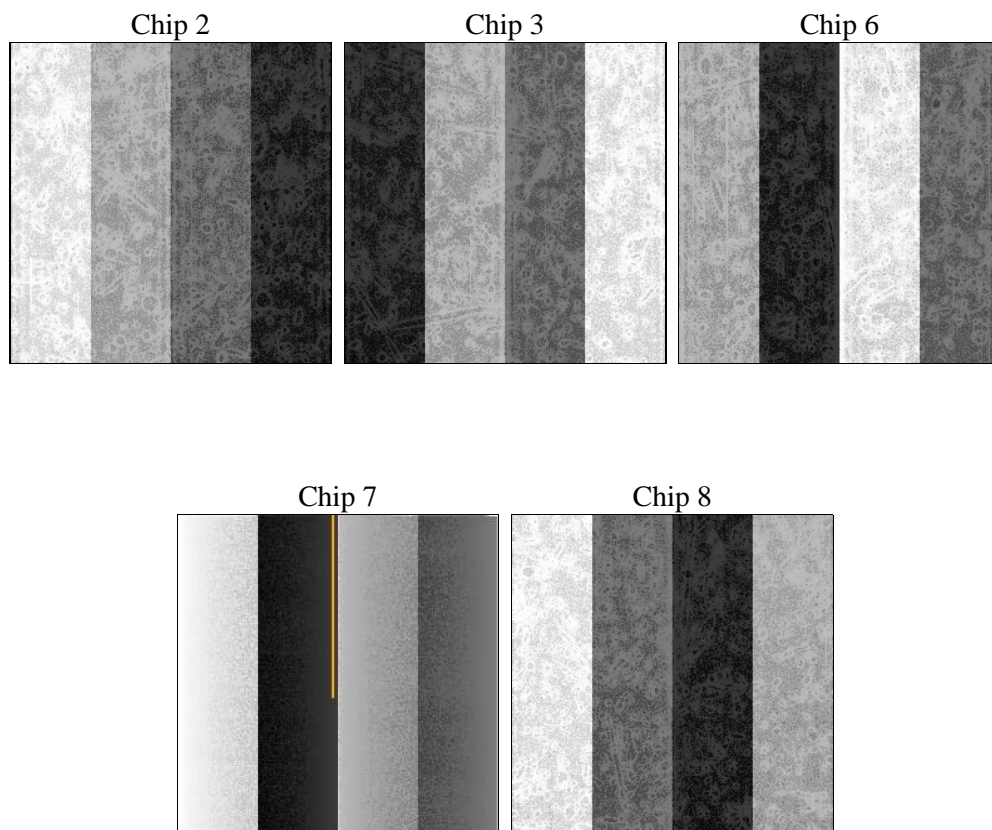
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15143.499970853	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	15140.359000653	Sum of GTIs [s]
date	2012-10-20T16:54:11	Date and time of file creation	ontime3	15137.218010426	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	15143.499970853	Sum of GTIs [s]
			ontime7	15143.499970853	Sum of GTIs [s]
			ontime8	15143.499970853	Sum of GTIs [s]
			l1events	442453	Number of level 1 events

2.1.4 Events

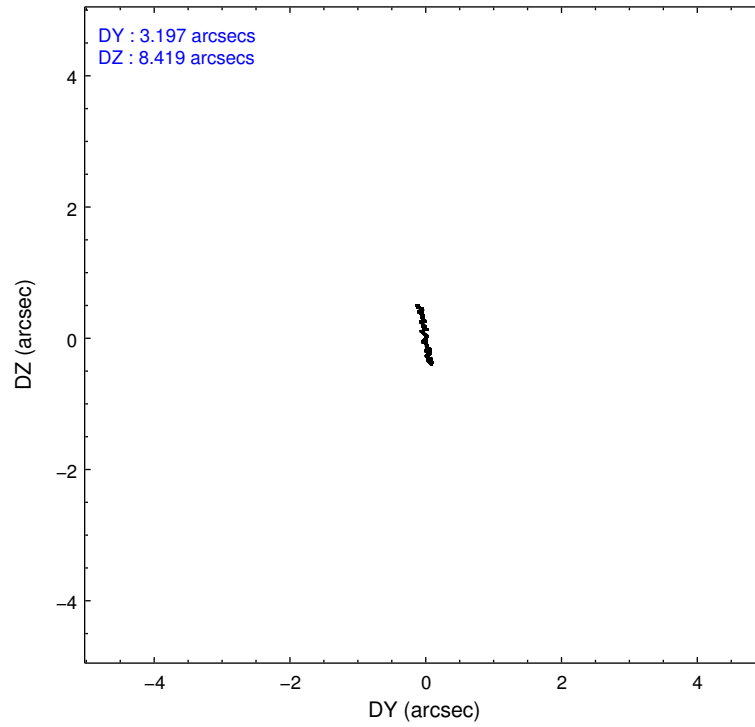
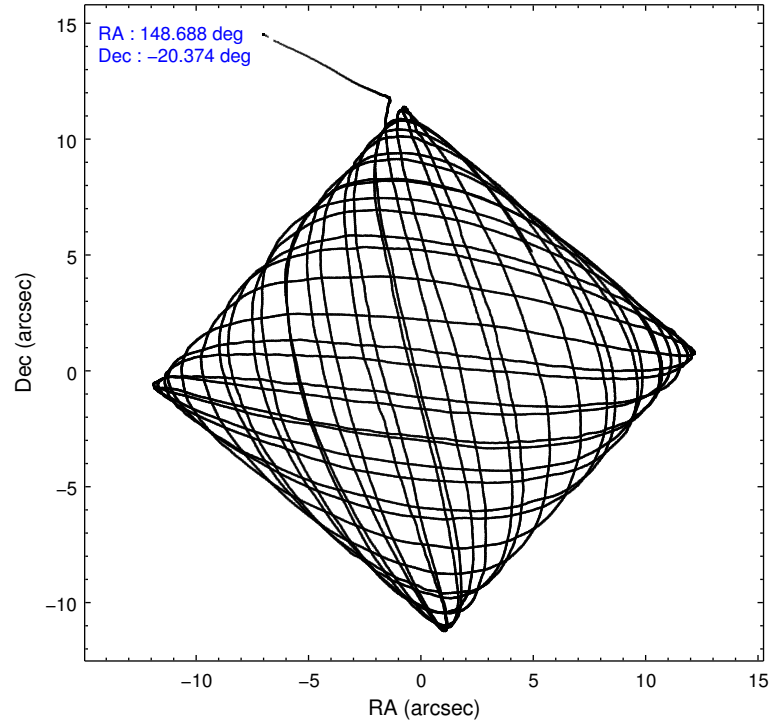
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	83533	82260	84804	89627	102229
rejected events	75851	74862	75783	48658	79181
rejected %	90%	91%	89%	54%	77%

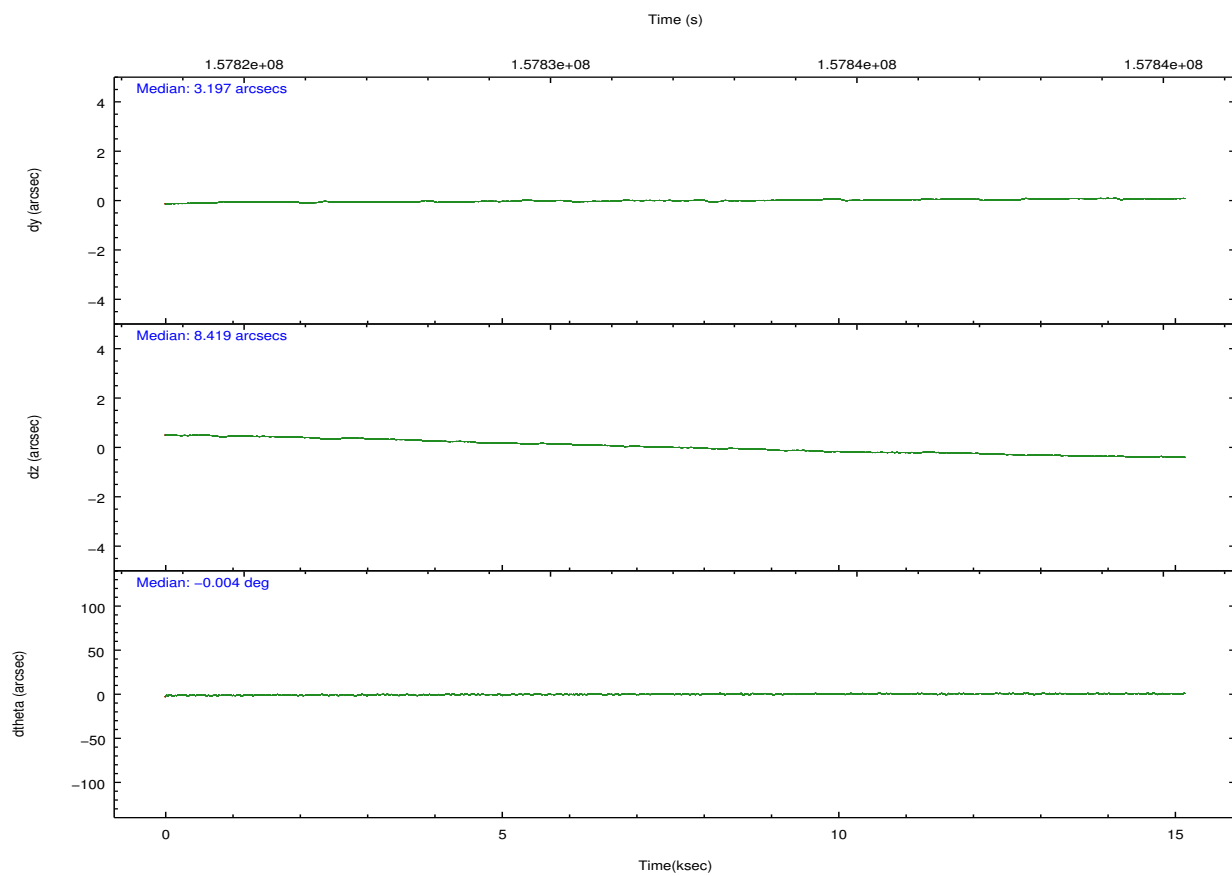
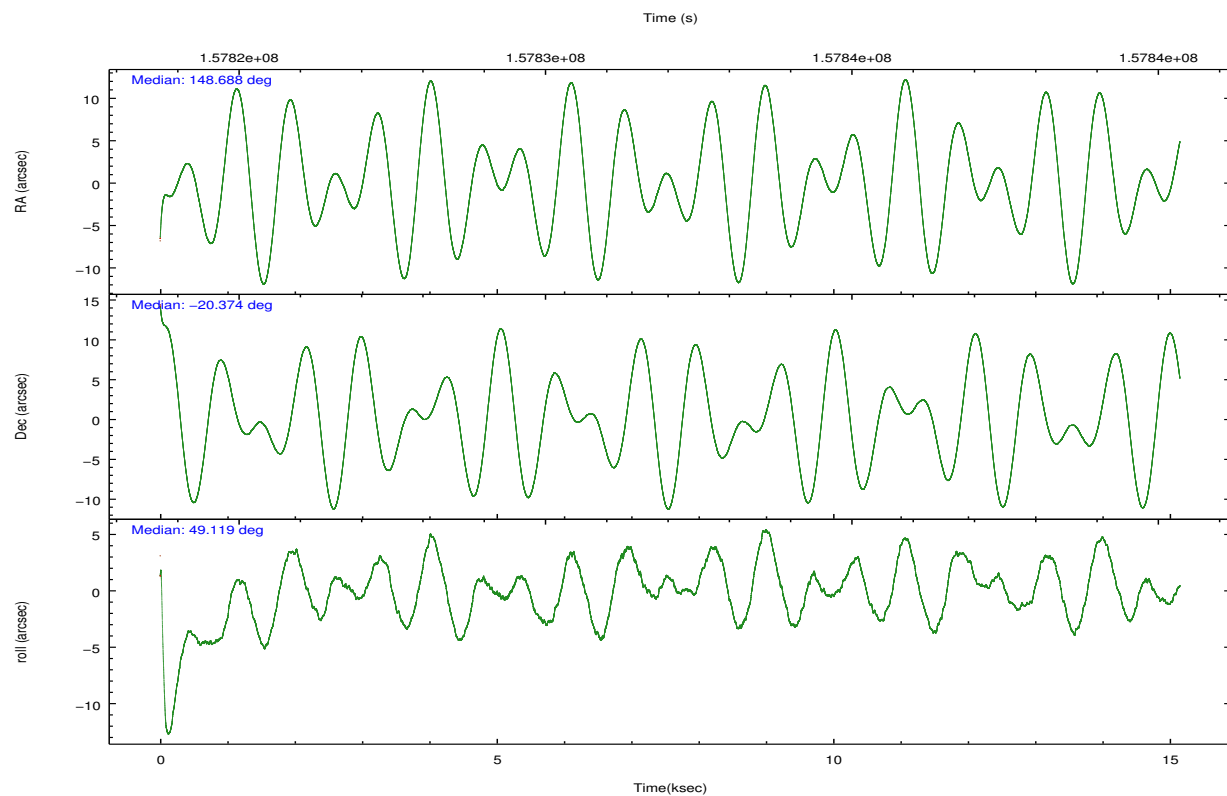
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2727	2581	3477	4127	7065
	3%	3%	4%	4%	6%
grade 1 events	44	41	45	97	95
	0%	0%	0%	0%	0%
grade 2 events	1825	1567	1903	8330	5193
	2%	1%	2%	9%	5%
grade 3 events	875	882	986	4039	2504
	1%	1%	1%	4%	2%
grade 4 events	891	889	969	3942	2363
	1%	1%	1%	4%	2%
grade 5 events	2608	2981	3293	9439	4524
	3%	3%	3%	10%	4%
grade 6 events	1421	1530	1757	20899	6043
	1%	1%	2%	23%	5%
grade 7 events	73142	71789	72374	38754	74442
	87%	87%	85%	43%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	148.682698	148.6877621764803	Subarray requested	NONE	NONE
[deg] Pointing Dec	-20.400837	-20.37399517038575	Alternating exposures requested	N	N
[deg] Pointing Roll	48.961851	49.12025959920486	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	157824605.184000	157823577.20717			
Observation start date	2003-01-01T16:09:01	2003-01-01T15:52:57			
[s] Observation end time (MET)	157839605.184000	157840052.54536			
Observation end date	2003-01-01T20:19:01	2003-01-01T20:27:32			
Read mode	TIMED	TIMED			

2.3 Aspect



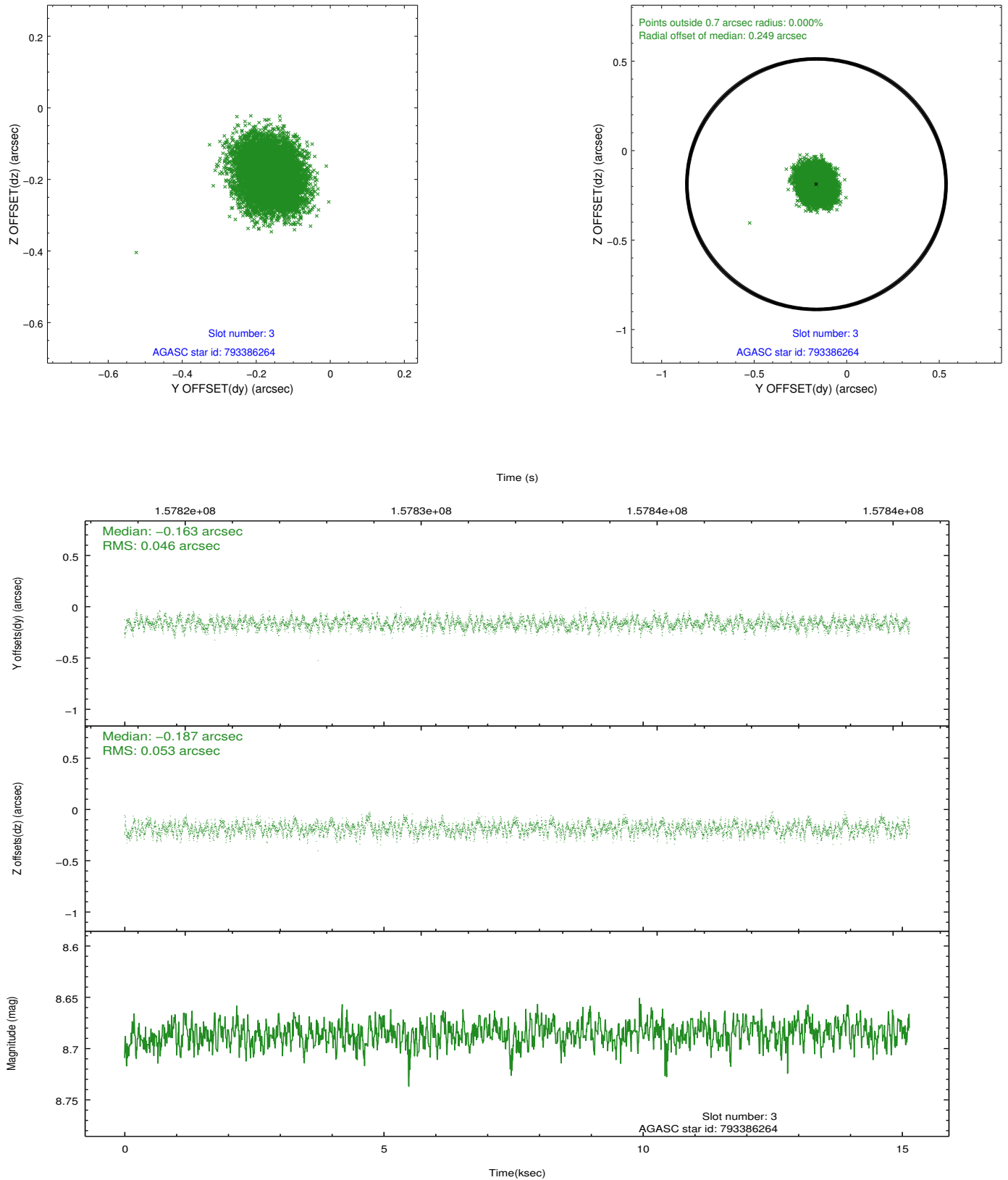


Slot Statistics

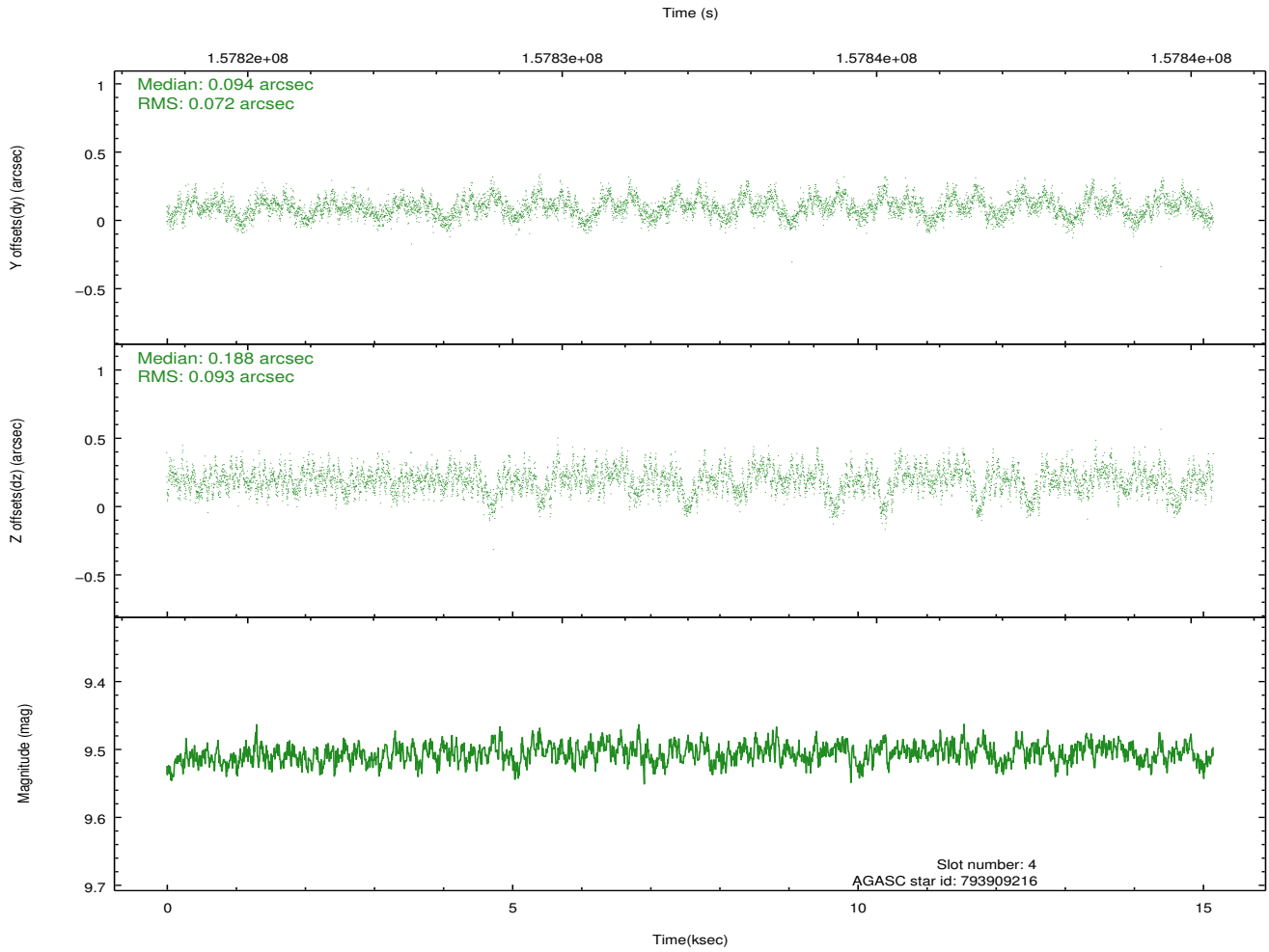
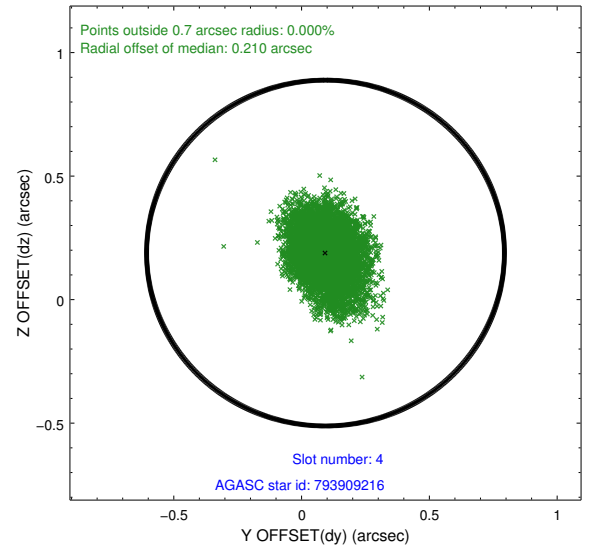
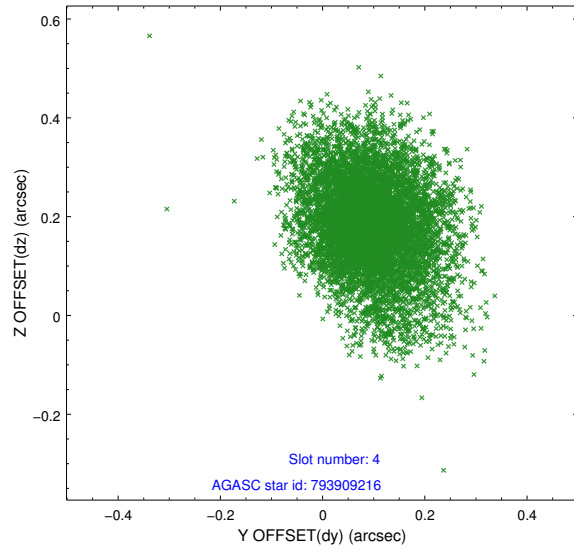
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	3696	-0.017	-0.014	0.008	0.013	0.000000	0.000000	-755.86	-1729.66
1	FID	ACIS-S-4	7.20	3696	0.016	0.012	0.006	0.011	0.000000	0.000000	2157.32	178.54
2	FID	ACIS-S-5	7.24	3696	-0.030	0.011	0.007	0.012	0.000000	0.000000	-1808.33	172.55
3	GUIDE	793386264	8.69	7382	-0.163	-0.187	0.076	0.118	148.487634	-19.828781	1119.31	1849.97
4	GUIDE	793909216	9.51	7383	0.094	0.188	0.124	0.208	149.174801	-20.844172	-118.31	-2297.87
5	GUIDE	793911216	9.29	7387	0.229	0.158	0.090	0.147	148.477622	-21.055147	-2229.02	-1027.43
6	GUIDE	793912408	9.57	7388	0.201	0.030	0.099	0.164	148.558975	-20.814348	-1396.24	-663.65
7	GUIDE	793390560	6.76	7389	-0.360	-0.185	0.047	0.075	148.999134	-19.952435	1919.43	251.38

2.4 Star Slots

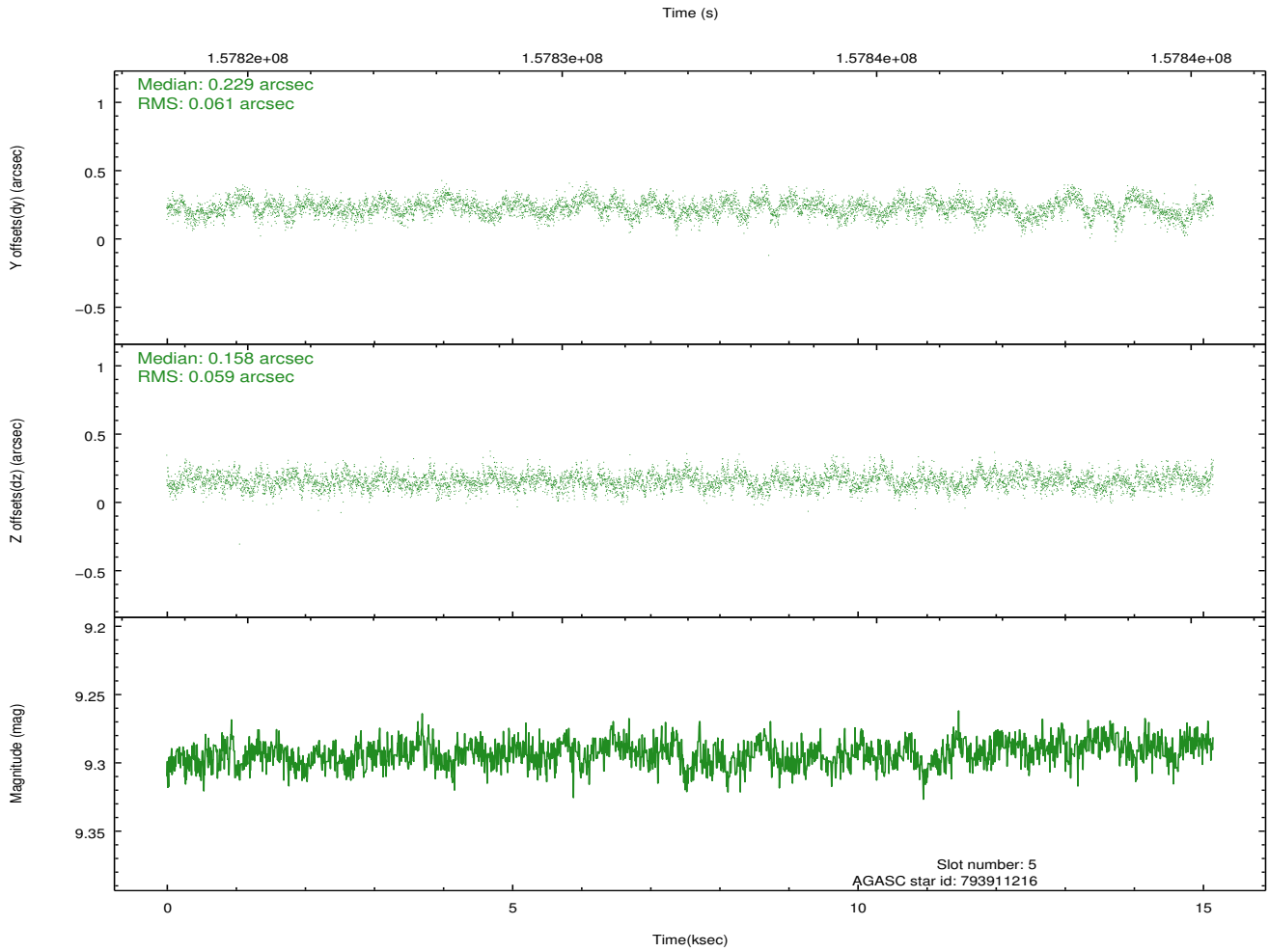
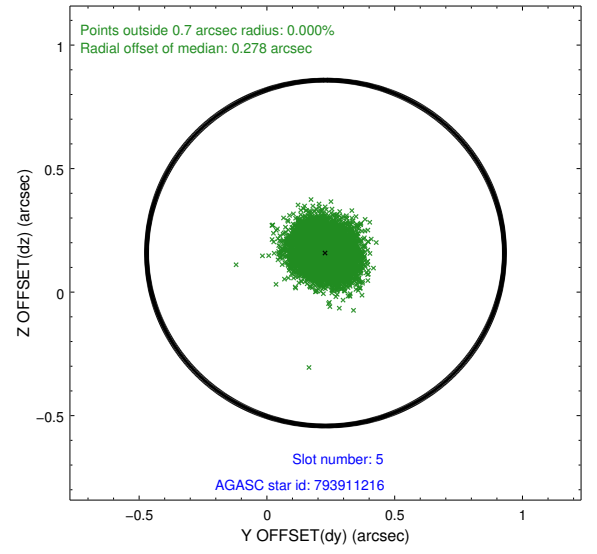
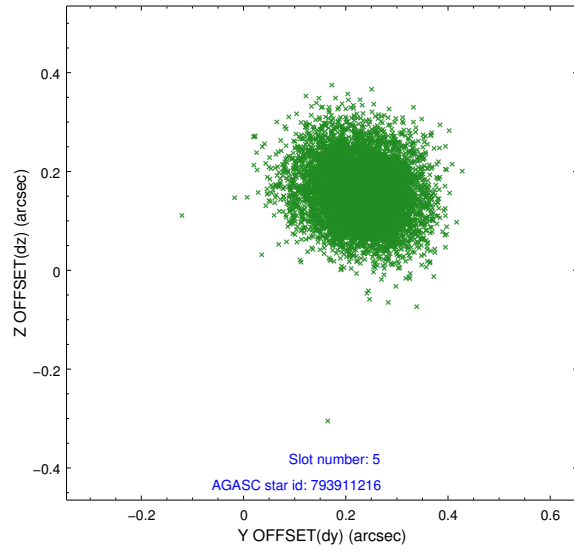
2.4.1 Slot 3



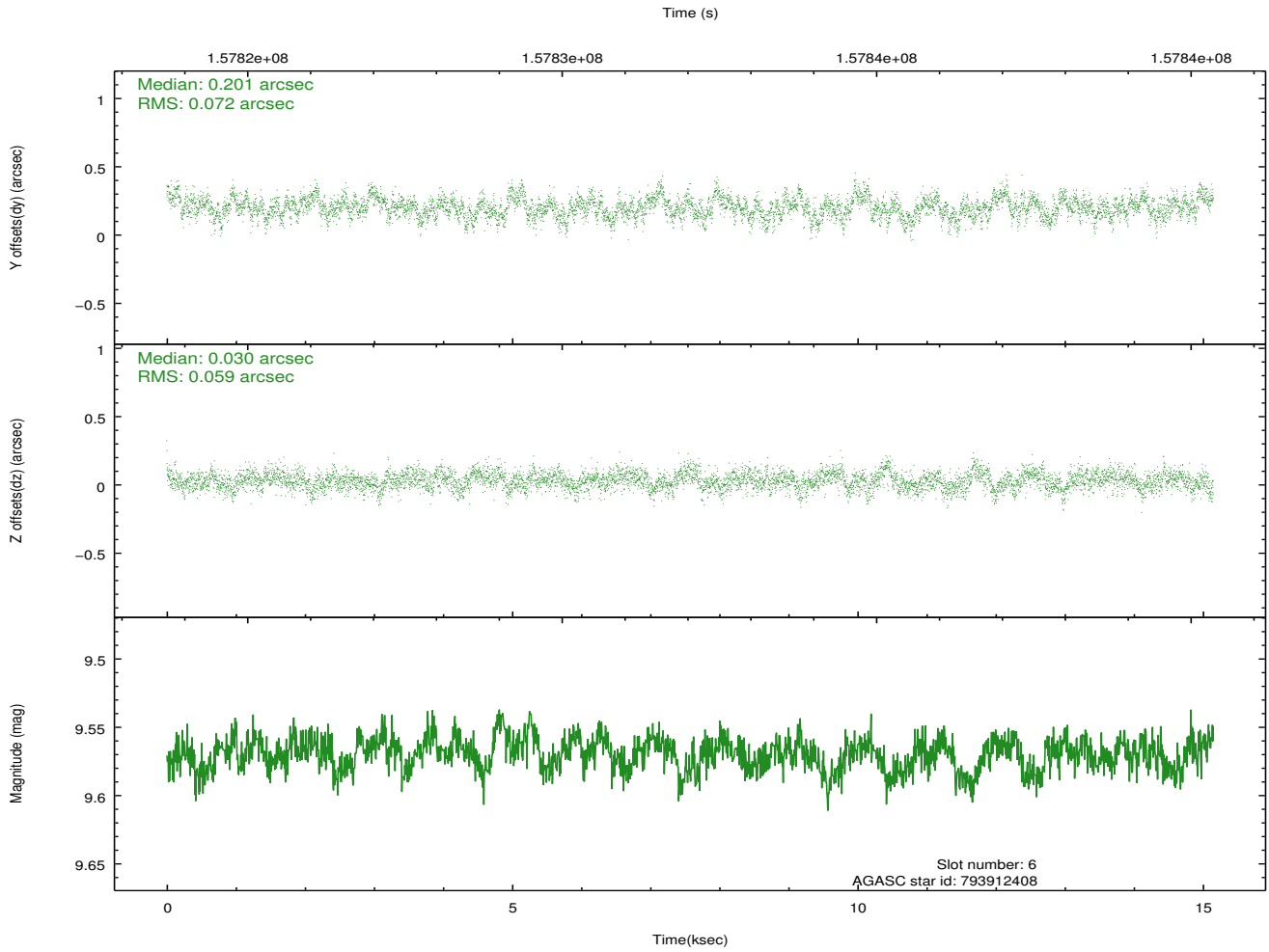
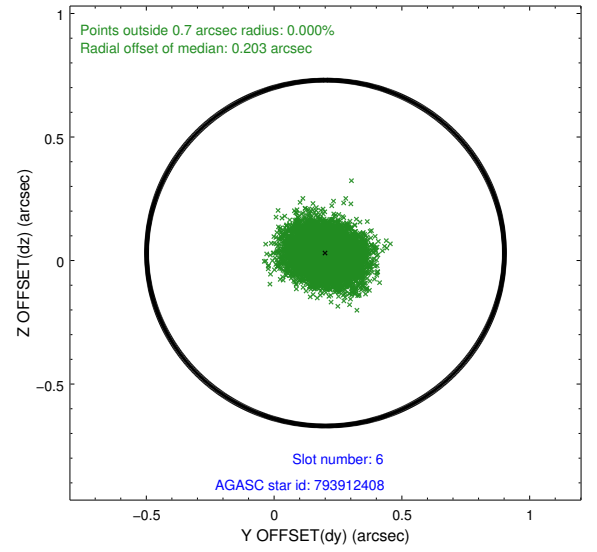
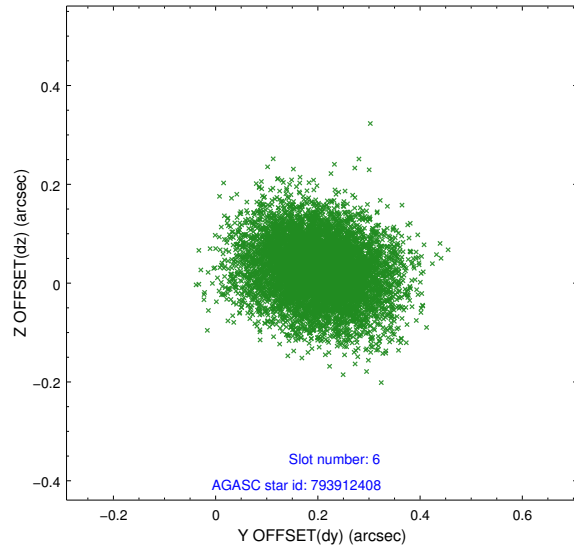
2.4.2 Slot 4



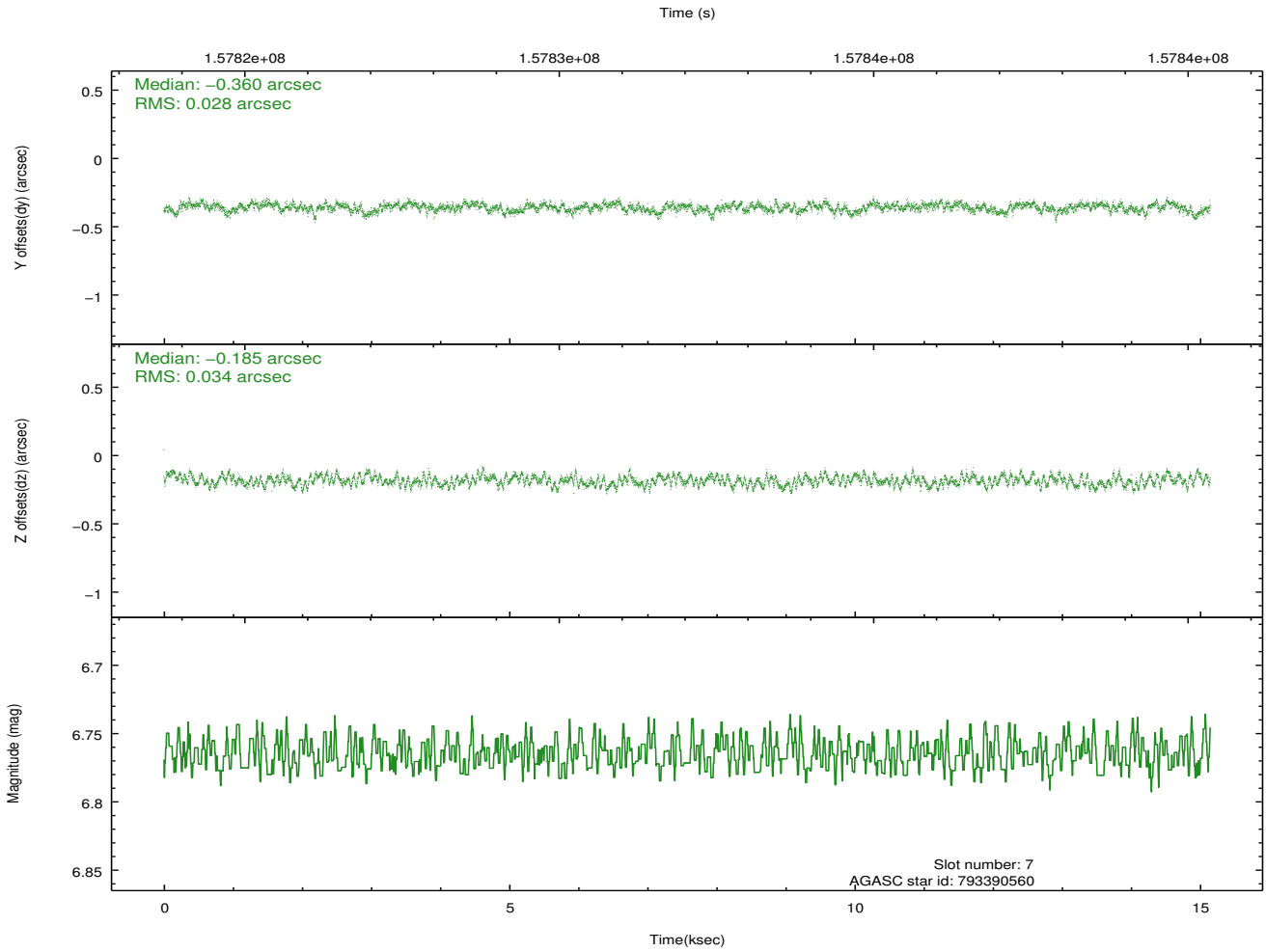
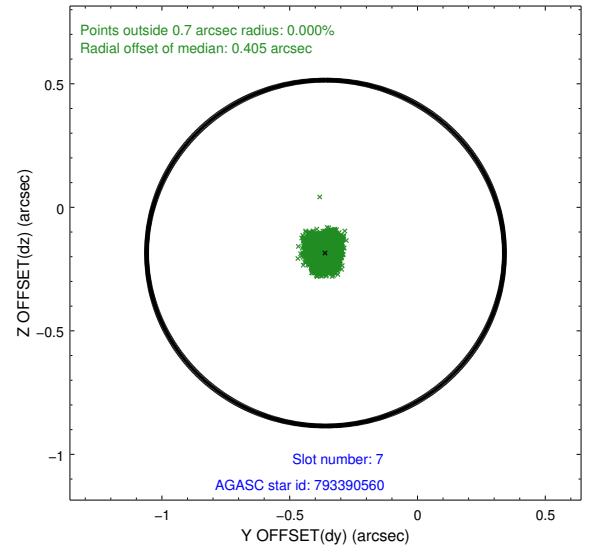
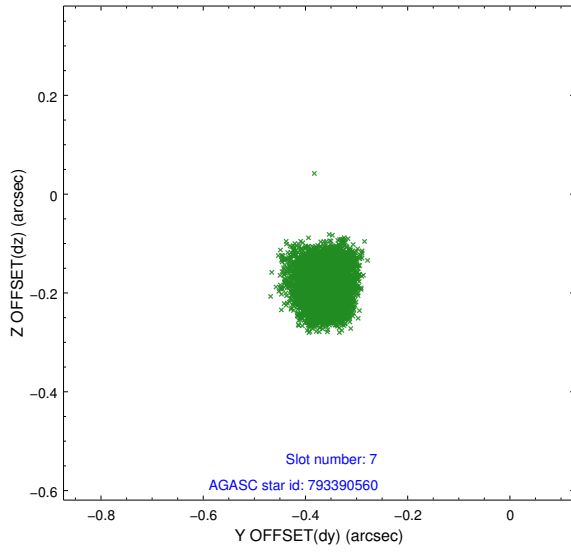
2.4.3 Slot 5



2.4.4 Slot 6

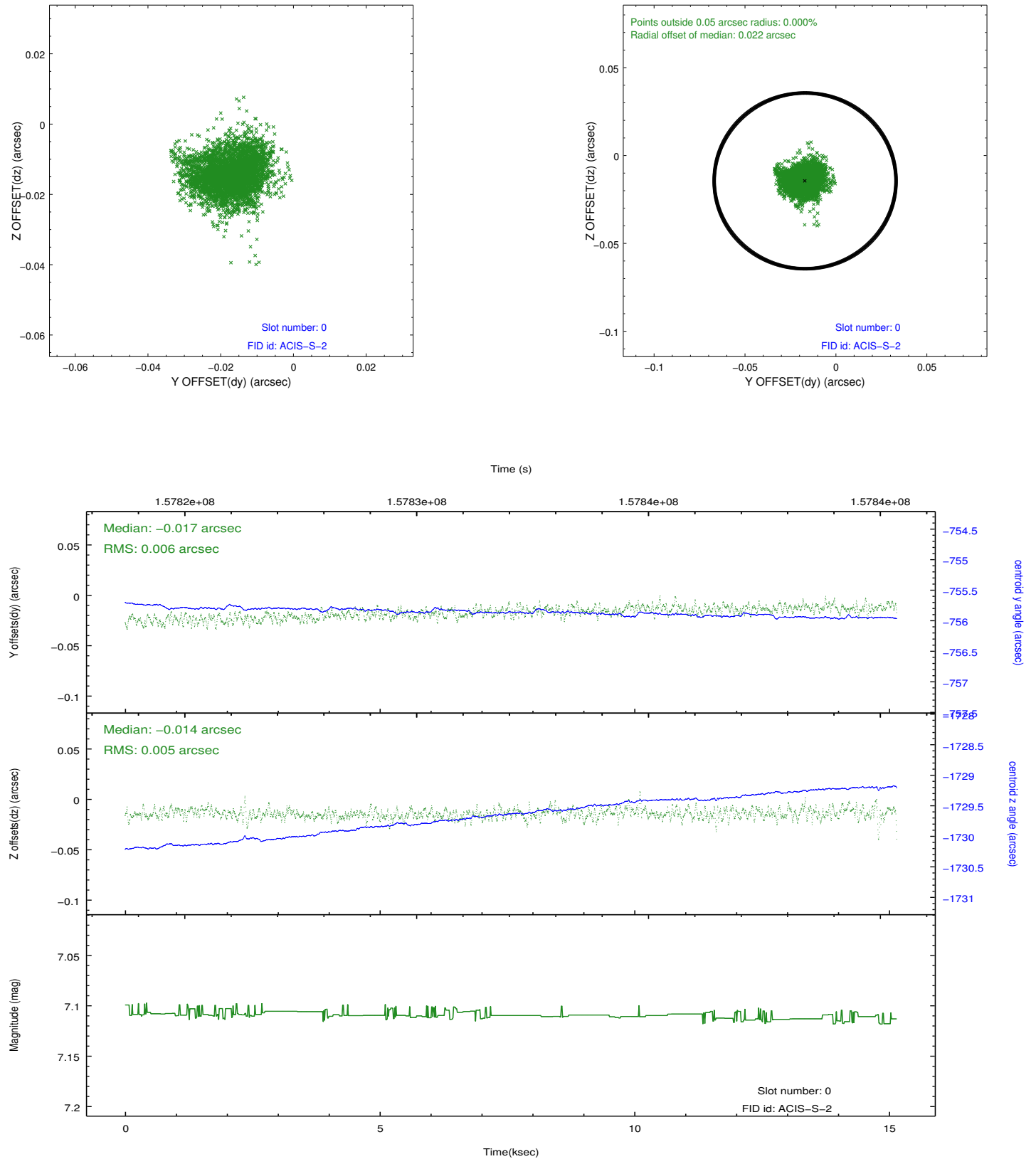


2.4.5 Slot 7

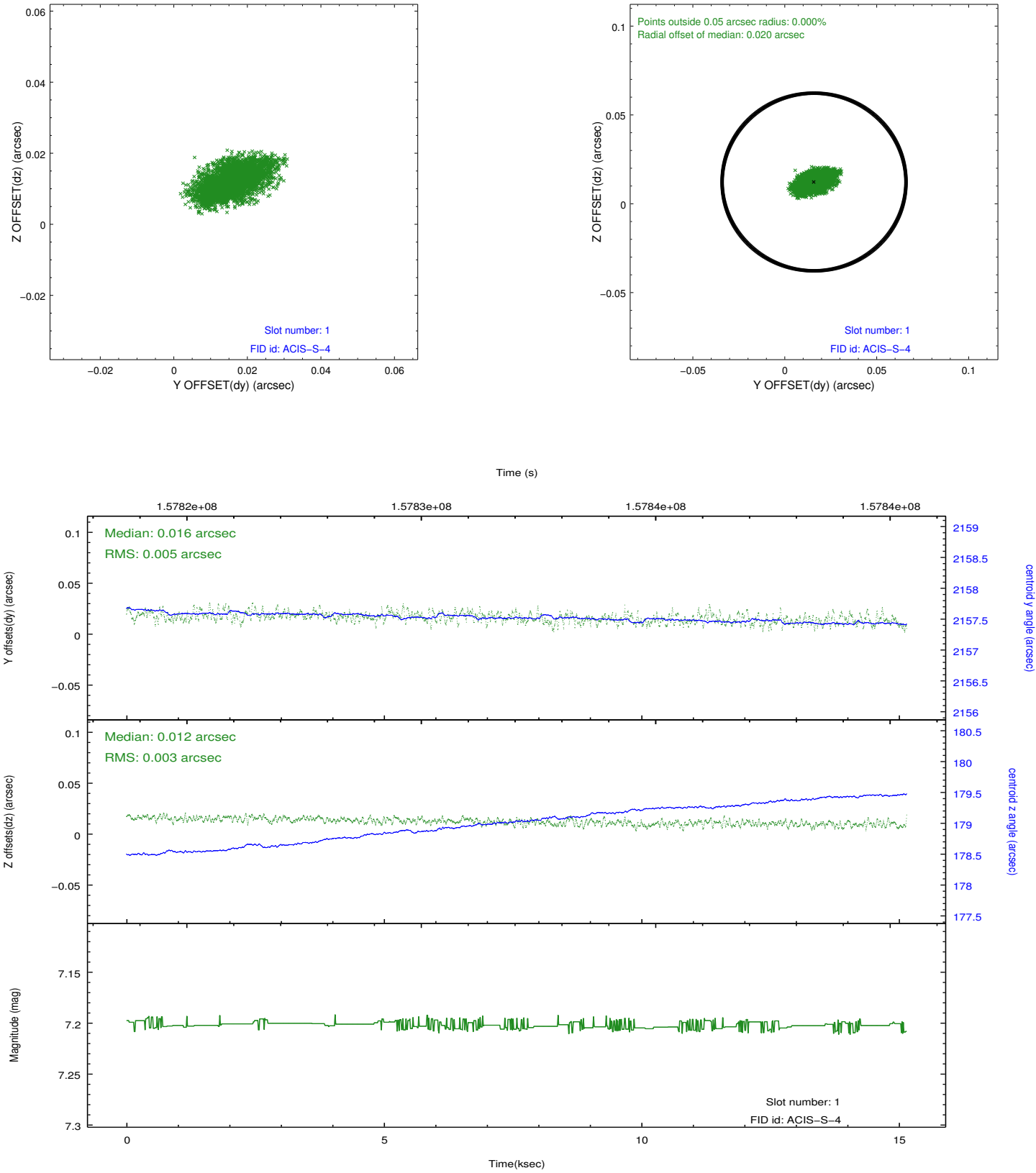


2.5 FID Slots

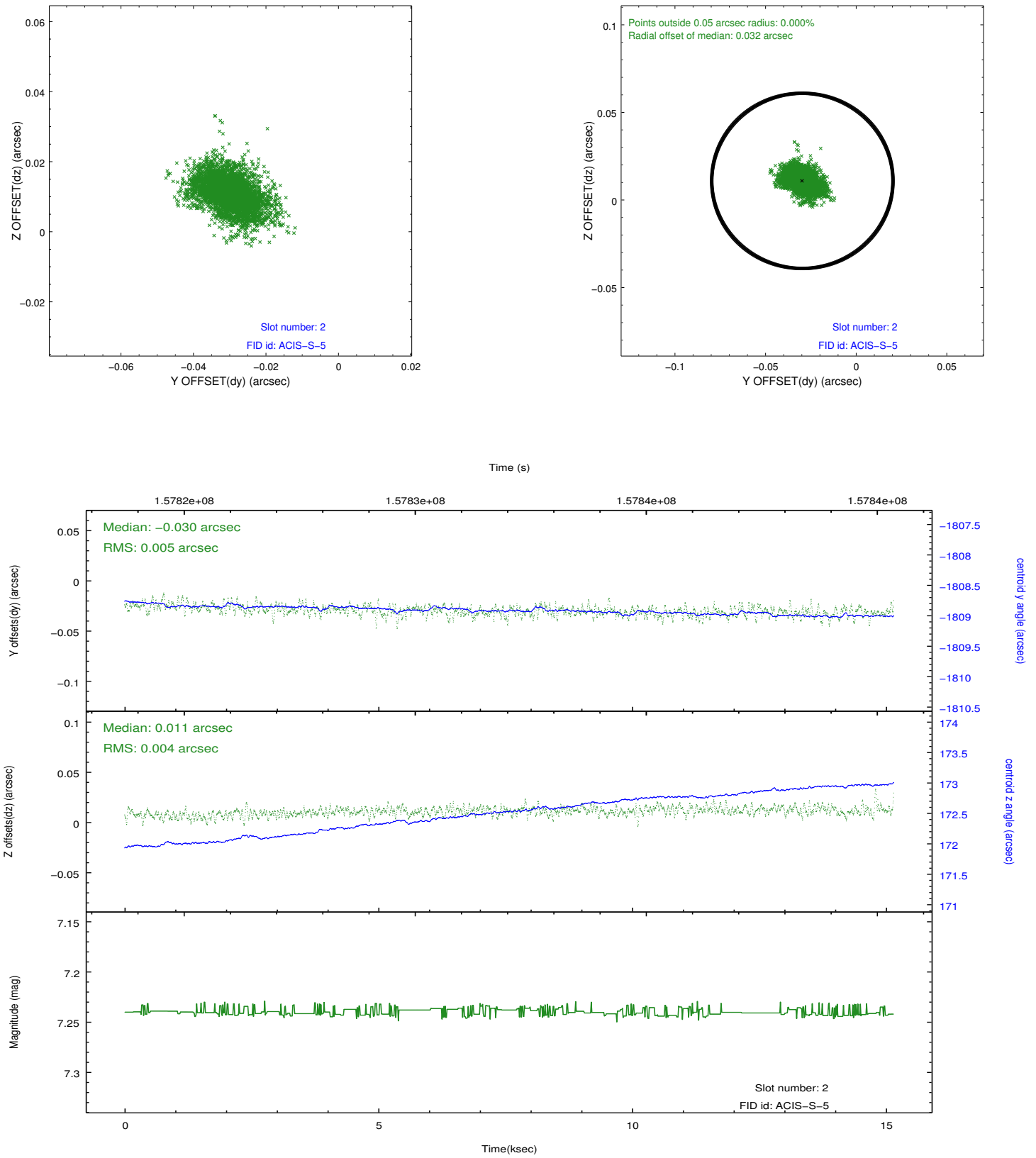
2.5.1 Slot 0



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)	2012.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.143

A.2 Comments

Joint Proposal: CX0-XMM. Window preference not met.