

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13897 - L2 Version 2
Chandra X-Ray Center

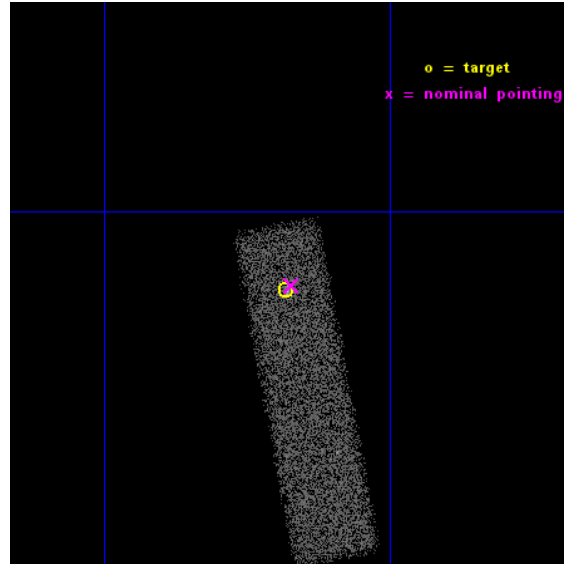
L2 Processing Date : Nov 29 2014

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1 Front

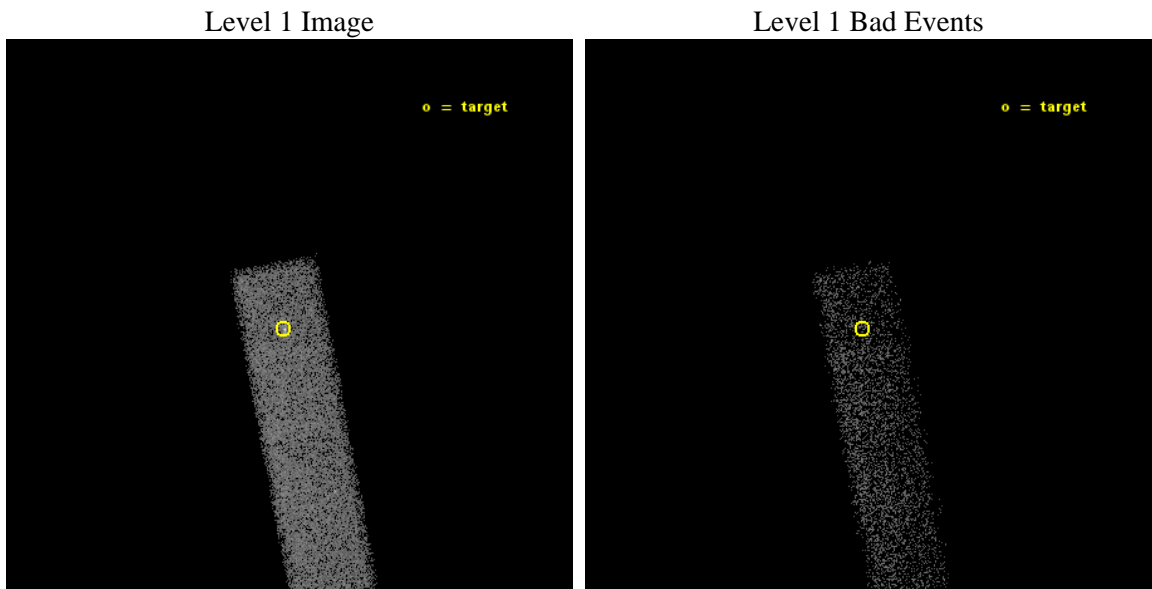
seq_num	702622	Sequence number
obs_id	13897	Observation id
title	CHANDRA SURVEY OF DUAL ACTIVATION IN HARD X-RAY SELECTED MERGING AGN HOSTS	Proposal title
observer	Dr. Richard Mushotzky	Principal investigator
object	2MASX J04234080+0408017	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	65.92	Observer's specified target RA [deg]
dec_targ	4.133833	Observer's specified target Dec [deg]
ra_nom	65.917810023794	Nominal RA [deg]
dec_nom	4.1359239589445	Nominal Dec [deg]
roll_nom	79.009677452882	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20060.800298989	Sum of GTIs [s]
livetime	19081.89888613	Livetime [s]
ontime7	20060.800298989	Sum of GTIs [s]
l2events	17476	Number of level 2 events



2 OBI

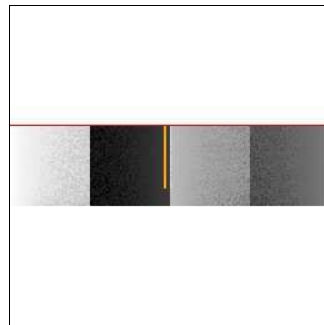
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	20060.800298989	Sum of GTIs [s]
caldsver	4.6.4	 	ontime7	20060.800298989	Sum of GTIs [s]
date	2014-11-28T18:52:29	Date and time of file creation	l1events	36389	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

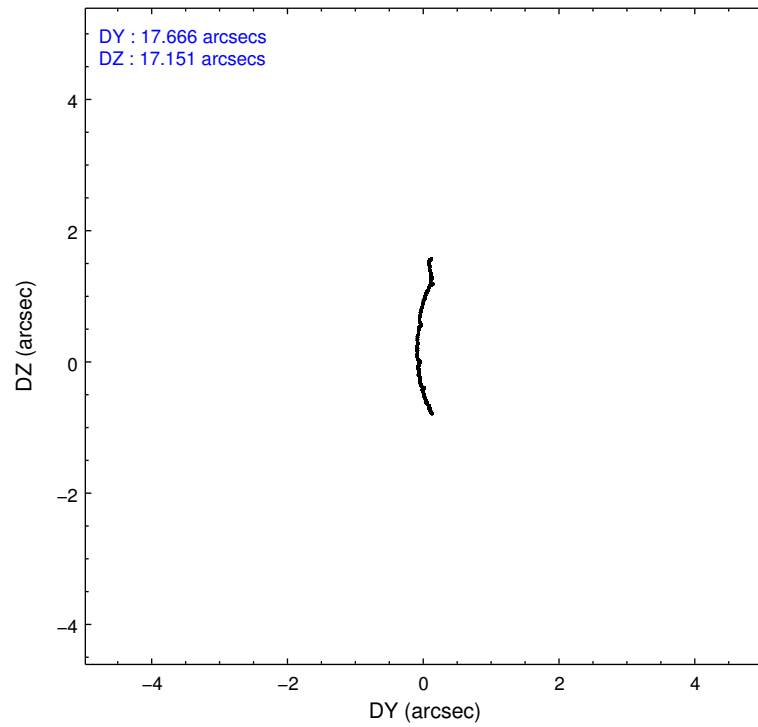
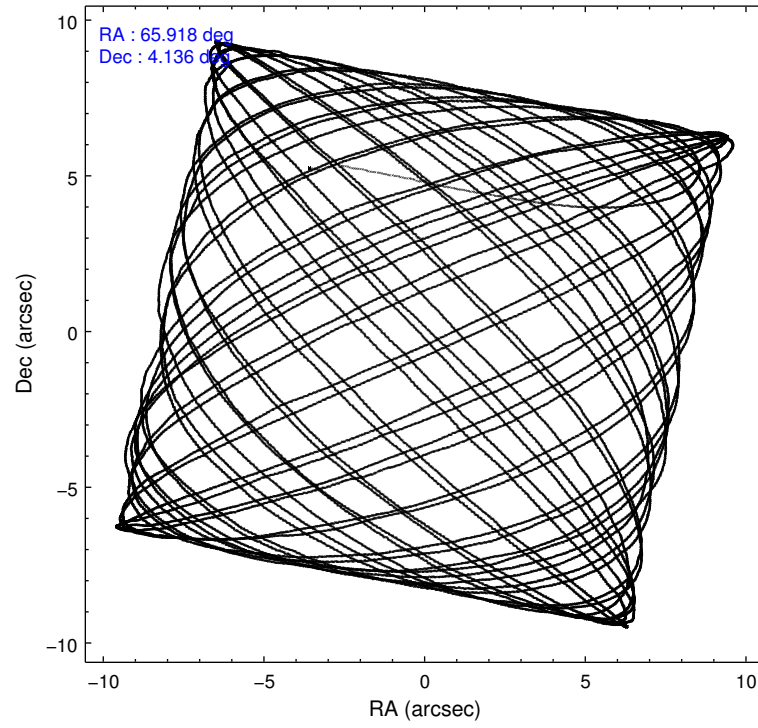
	ccd 7
level 1 events	36389
rejected events	18360
rejected %	50%

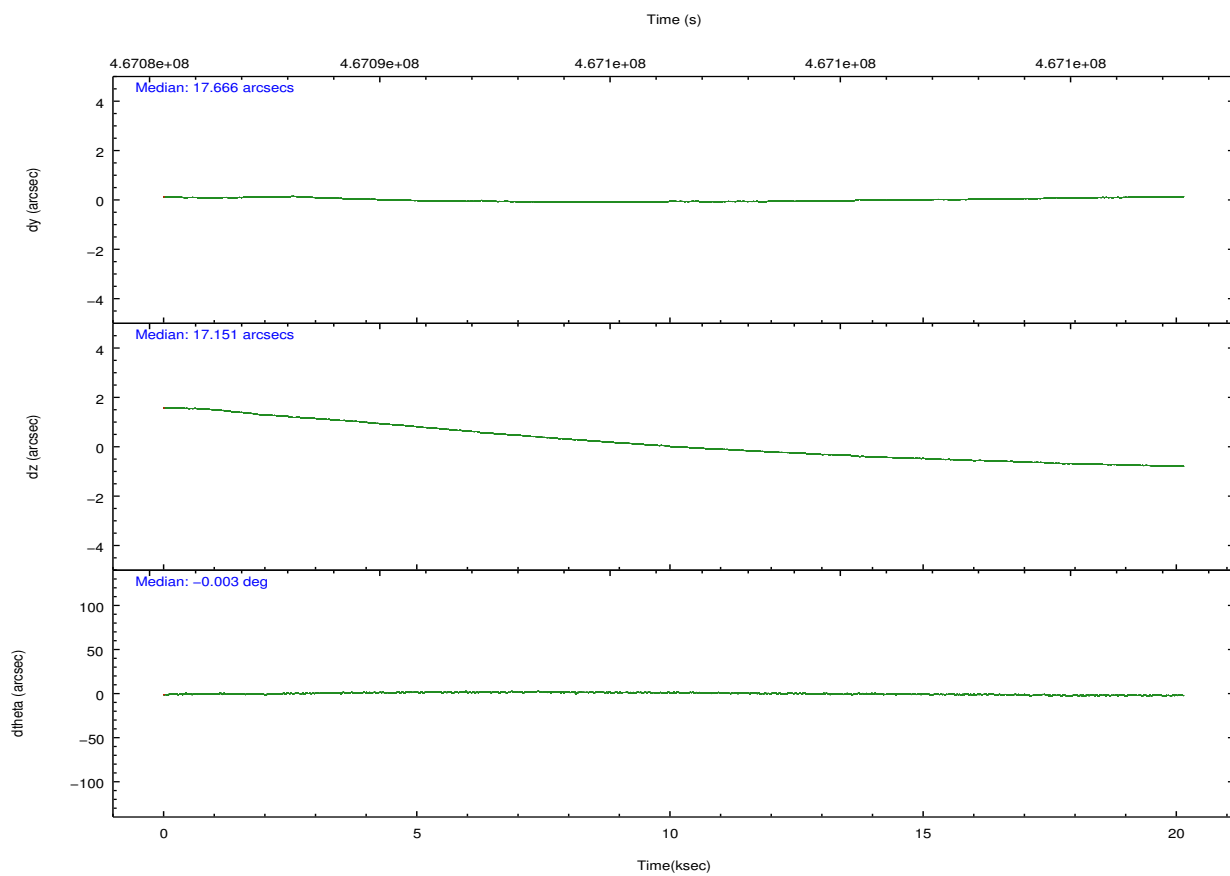
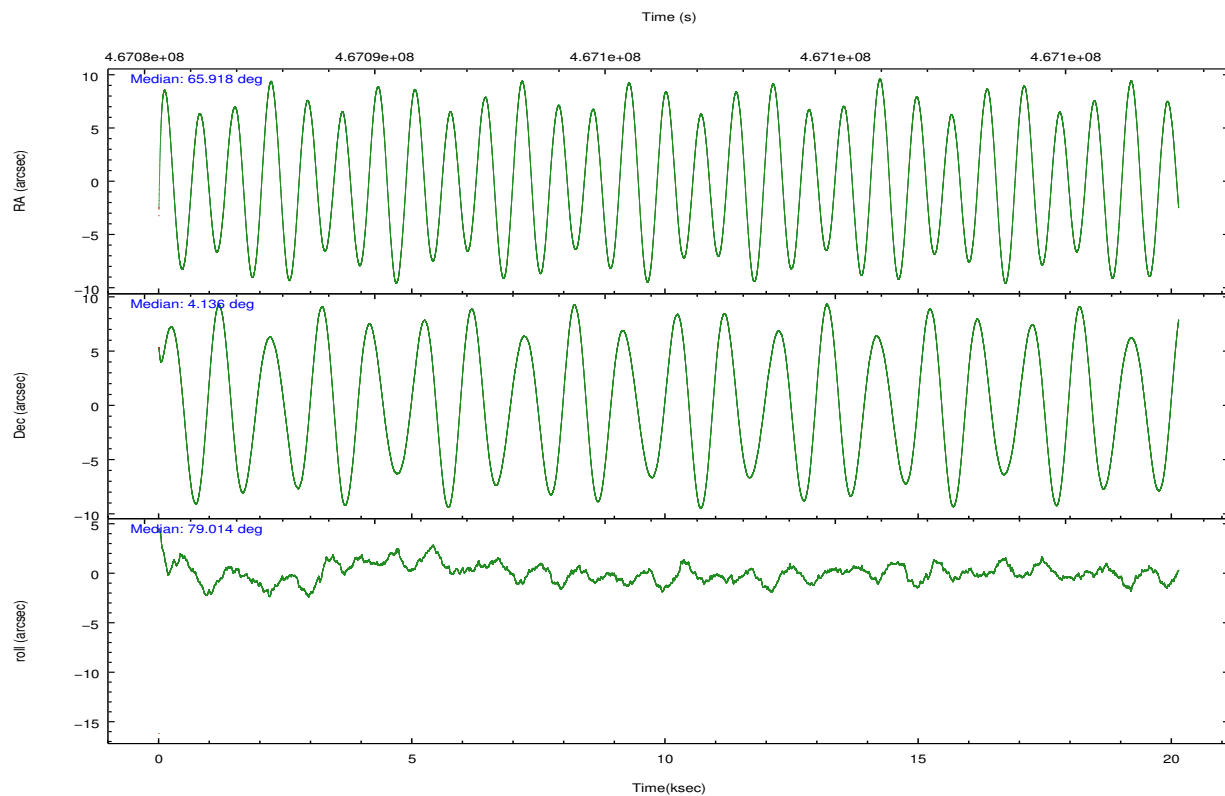
	ccd 7
grade 0 events	1922
	5%
grade 1 events	49
	0%
grade 2 events	3628
	9%
grade 3 events	2053
	5%
grade 4 events	1965
	5%
grade 5 events	3699
	10%
grade 6 events	8462
	23%
grade 7 events	14611
	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	65.927082	65.91781002379436	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	4.110190	4.135923958944495	Subarray start row	385	385
[deg] Pointing Roll	78.852380	79.00967745288153	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	467086450.184000	467085217.78991			
Observation start date	2012-10-20T02:13:03	2012-10-20T01:53:37			
[s] Observation end time (MET)	467106450.184000	467107412.1161			
Observation end date	2012-10-20T07:46:23	2012-10-20T08:03:32			
Read mode	TIMED	TIMED			

2.3 Aspect



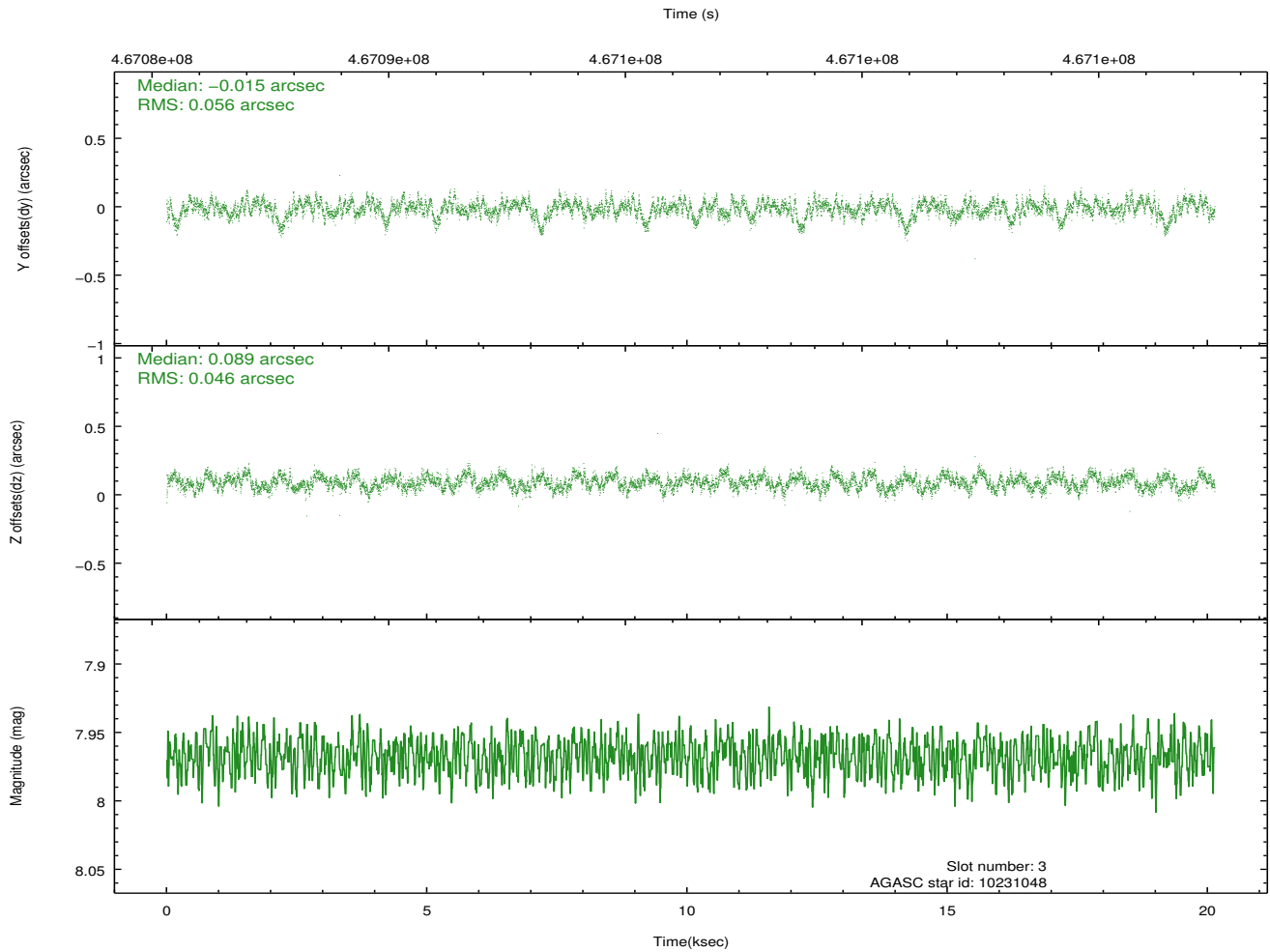
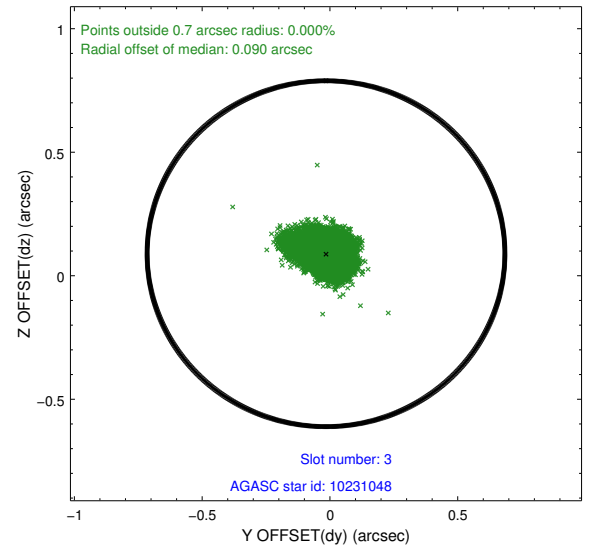
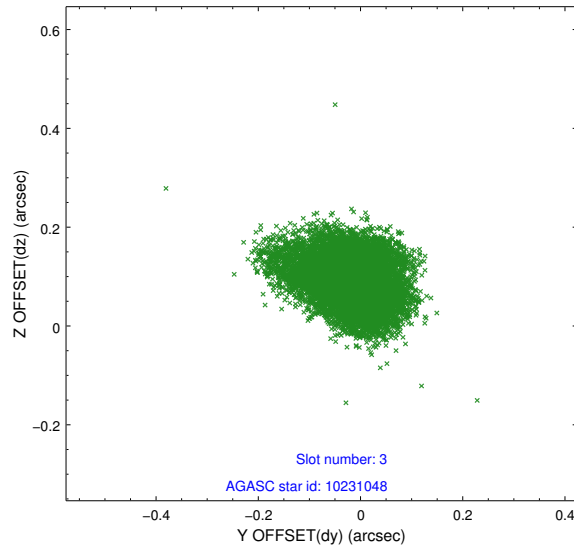


Slot Statistics

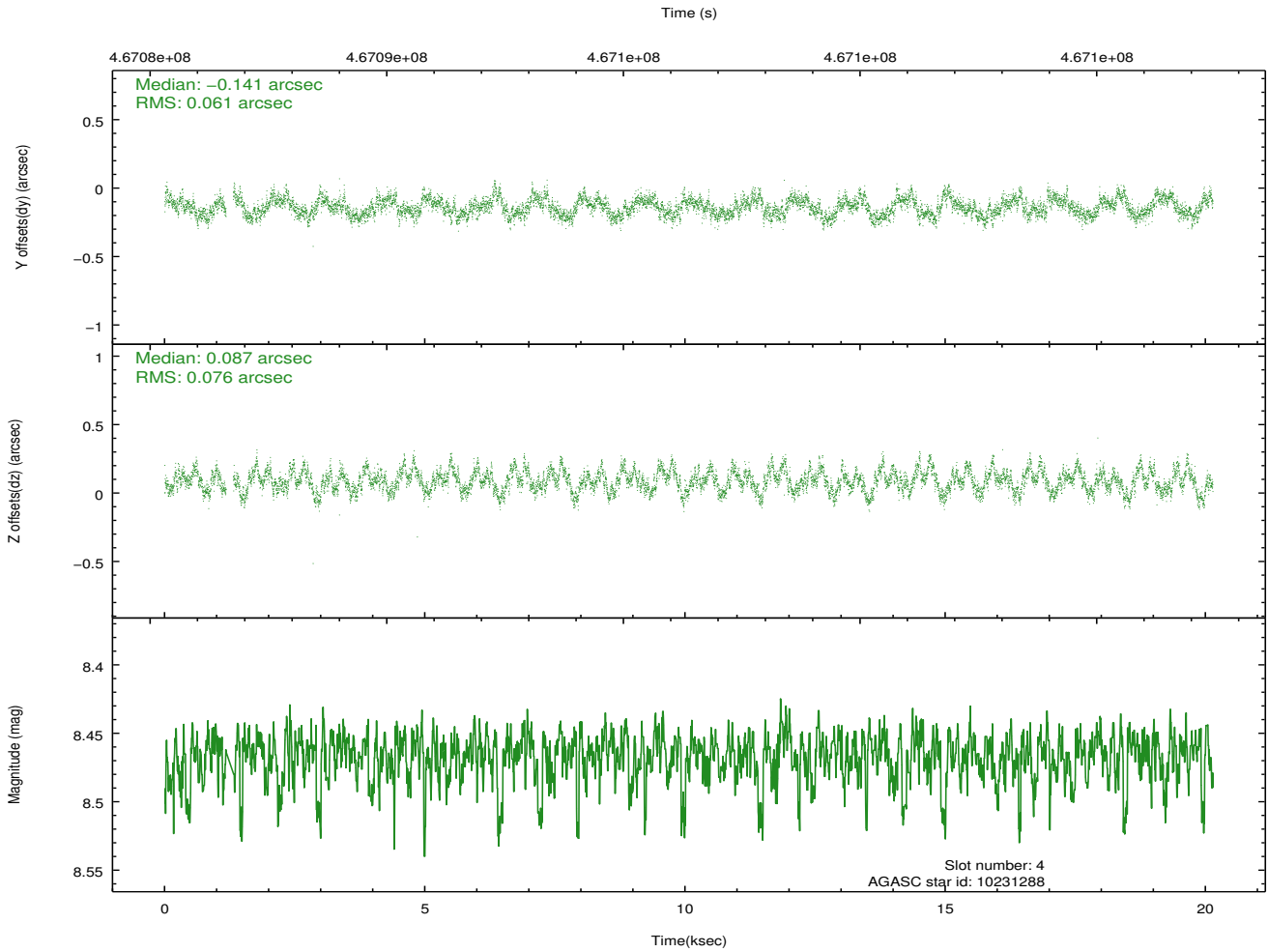
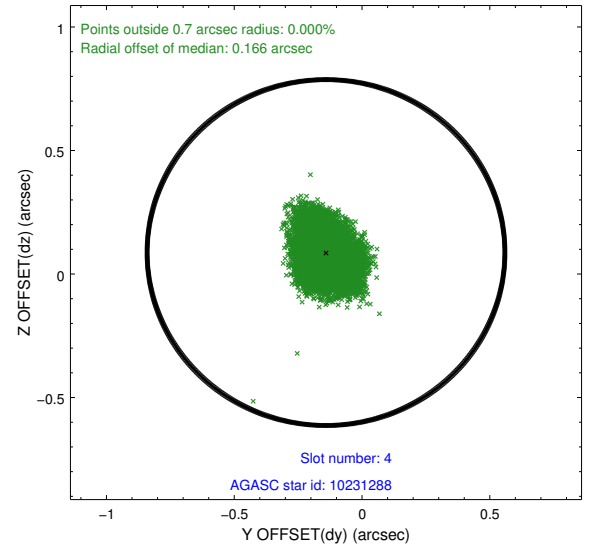
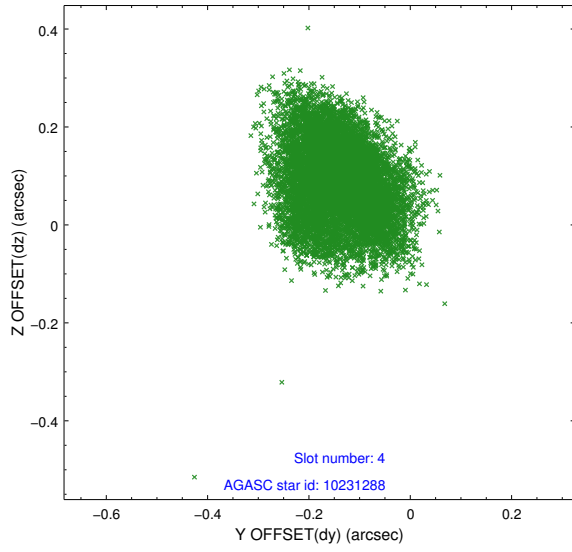
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.94	4913	-0.078	-0.026	0.023	0.033	0.000000	0.000000	-770.82	-1738.78
1	FID		ACIS-S-4	7.03	4913	0.213	0.044	0.011	0.017	0.000000	0.000000	2142.69	169.54
2	FID		ACIS-S-5	7.06	4911	-0.165	-0.007	0.016	0.032	0.000000	0.000000	-1823.48	163.42
3	GUIDE	used	10231048	7.97	9822	-0.015	0.089	0.076	0.127	65.782949	3.990704	-521.91	424.64
4	GUIDE	used	10231288	8.47	9754	-0.141	0.087	0.105	0.165	65.419030	3.937644	-961.56	1670.32
5	GUIDE	used	10232792	8.89	9824	0.265	-0.363	0.090	0.142	66.180097	4.699954	2259.02	-480.75
6	GUIDE	used	10235976	8.96	9807	0.337	0.257	0.102	0.165	66.088980	3.730453	-1228.12	-834.82
7	GUIDE	used	10230760	8.54	9823	-0.447	-0.070	0.063	0.101	65.577681	4.868790	2437.16	1757.29

2.4 Star Slots

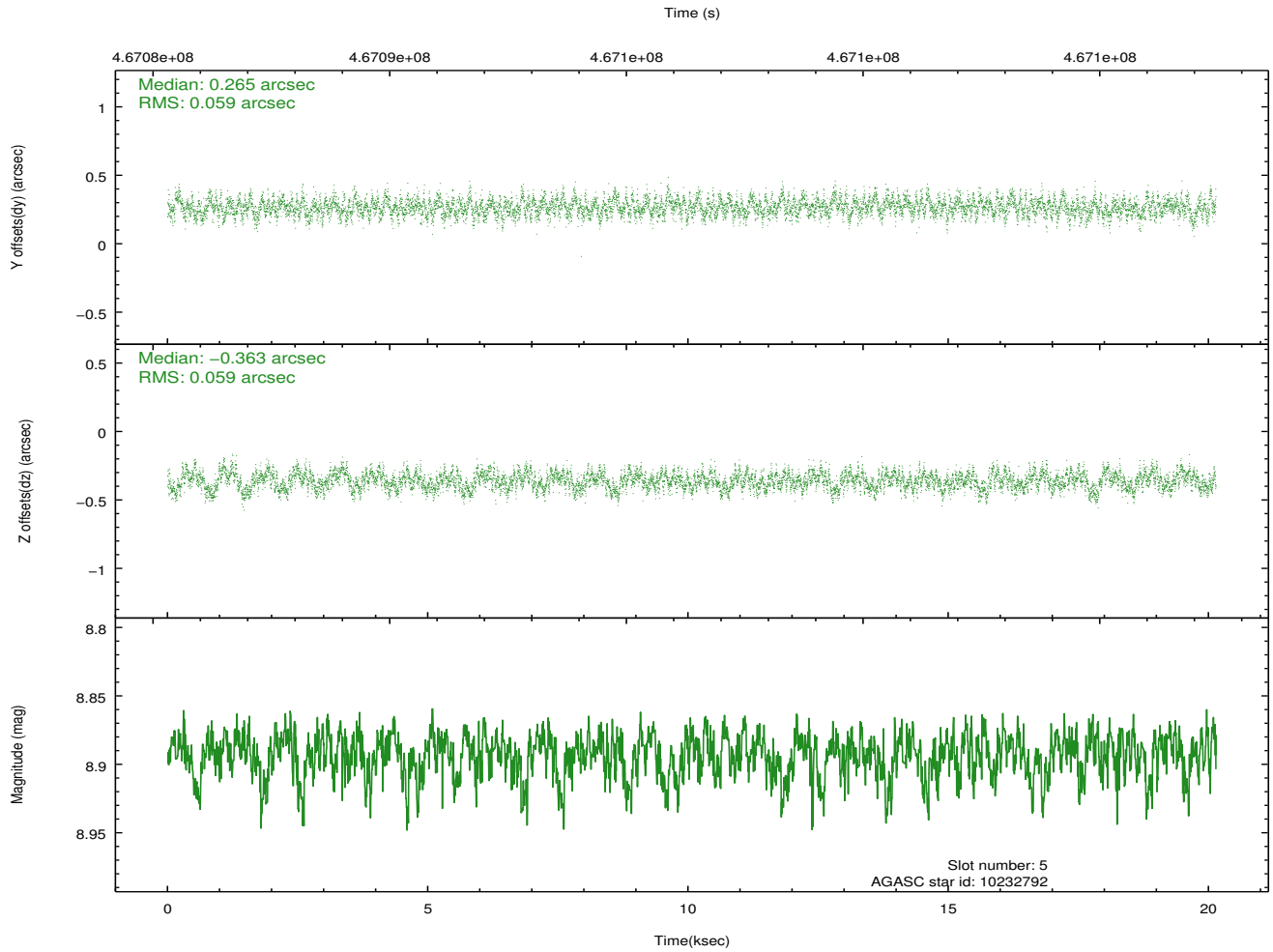
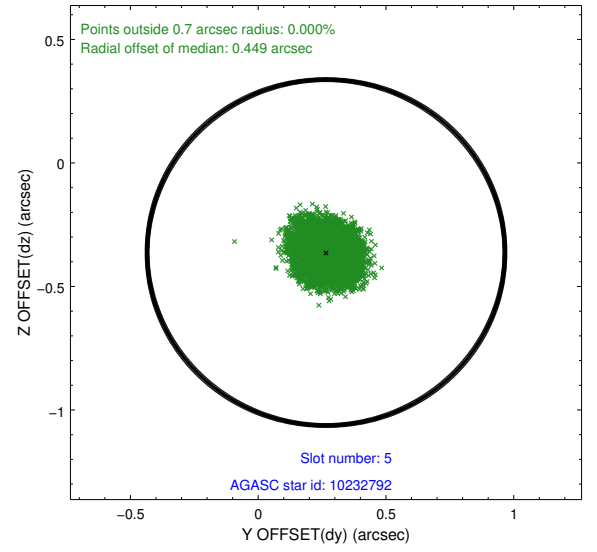
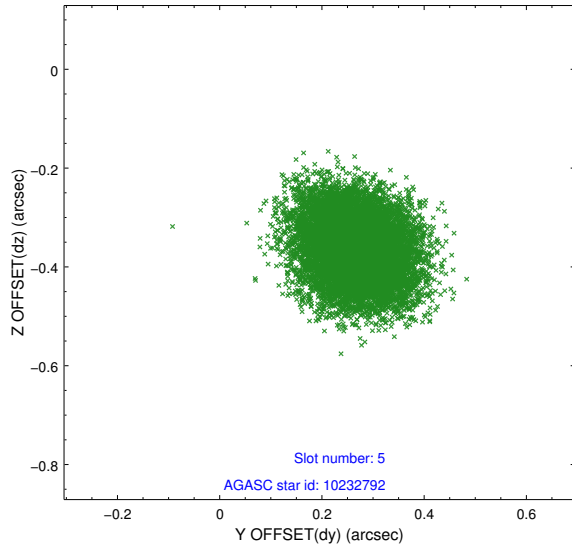
2.4.1 Slot 3



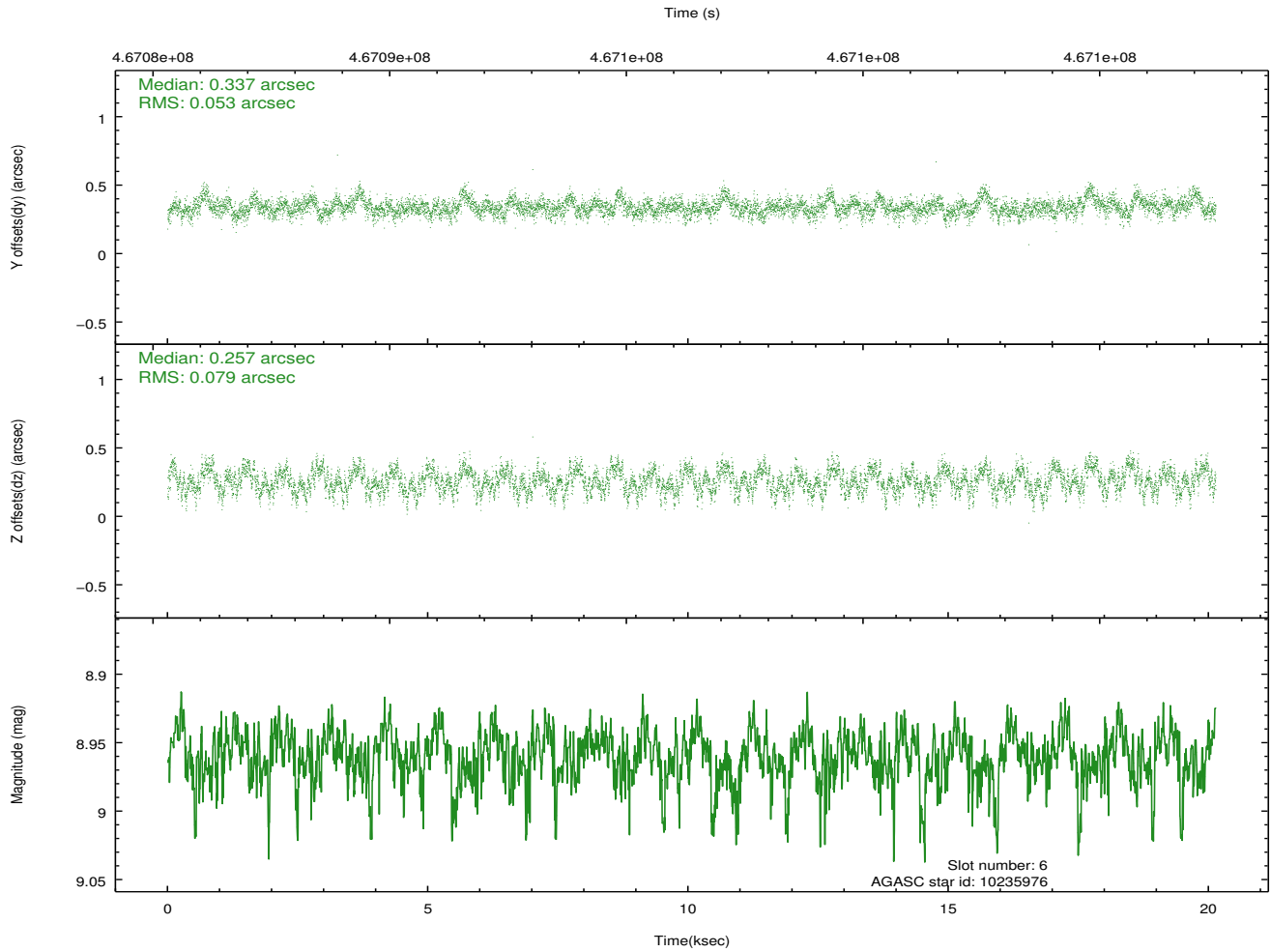
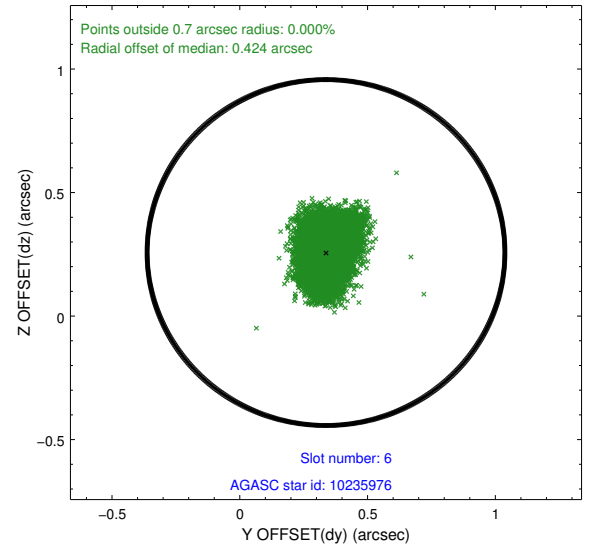
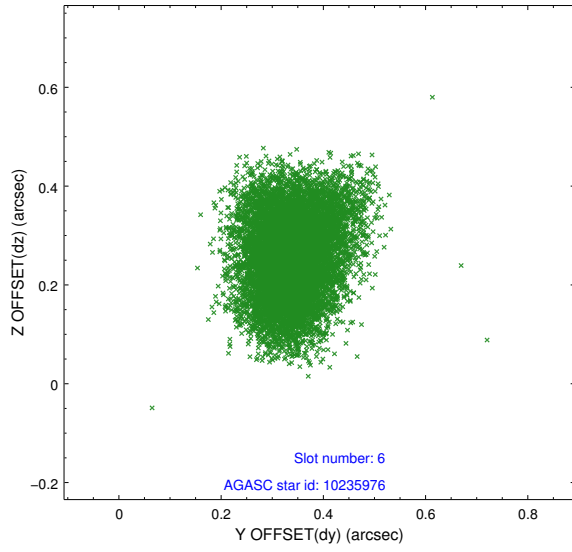
2.4.2 Slot 4



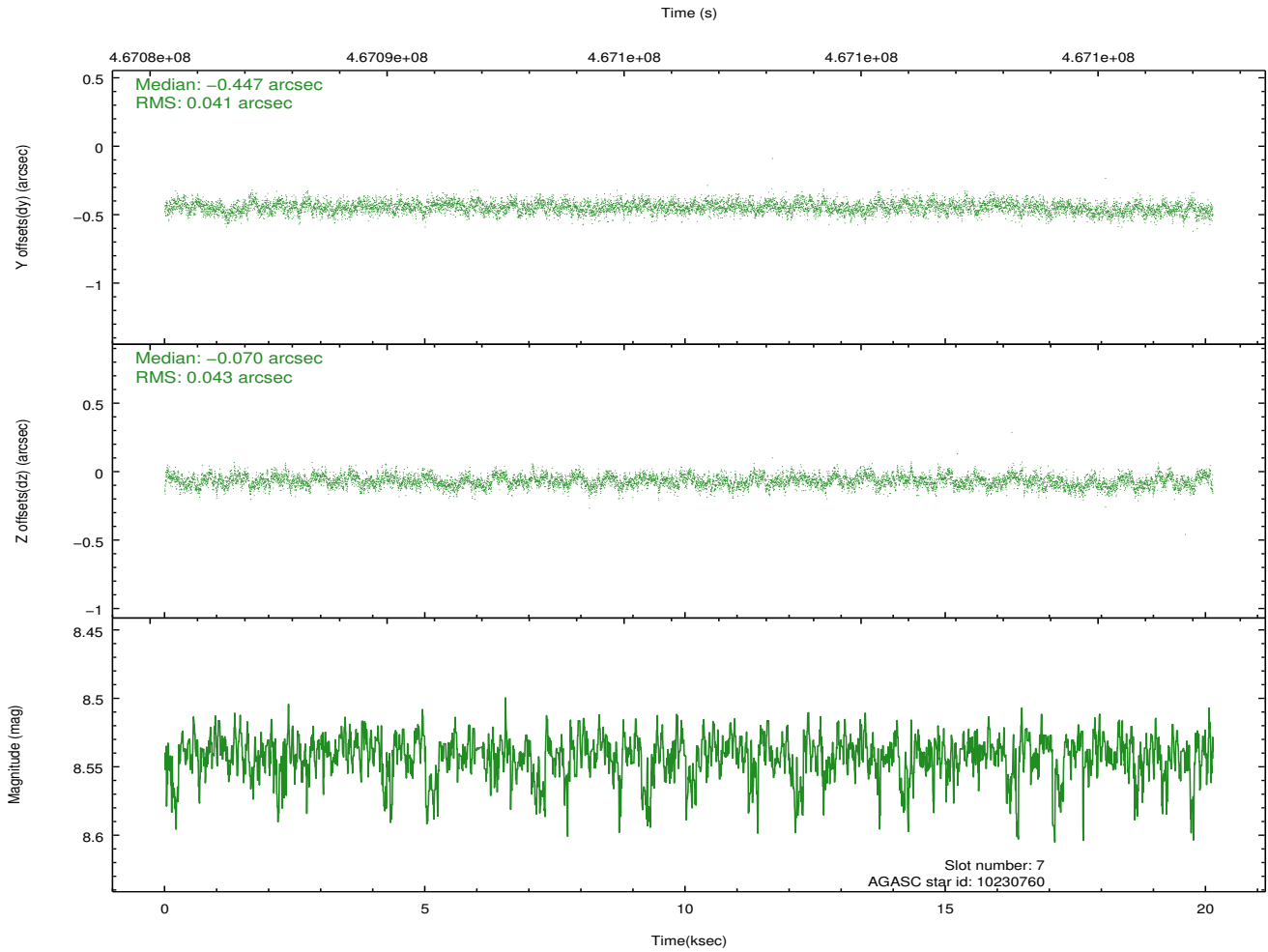
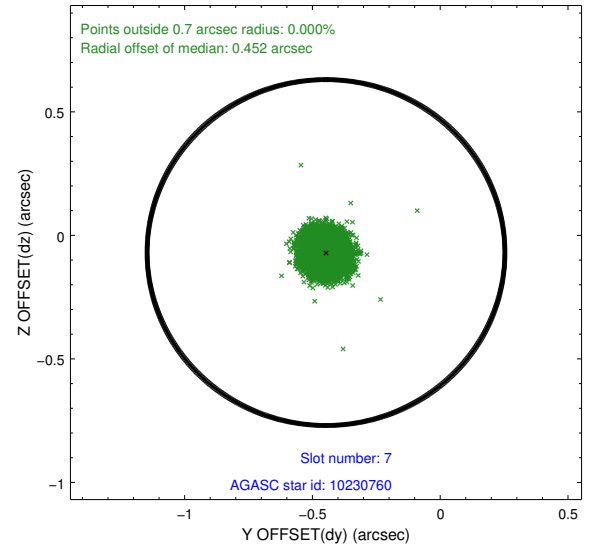
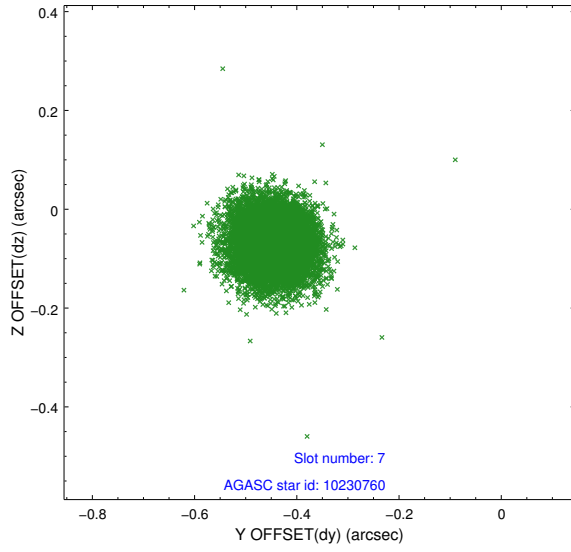
2.4.3 Slot 5



2.4.4 Slot 6

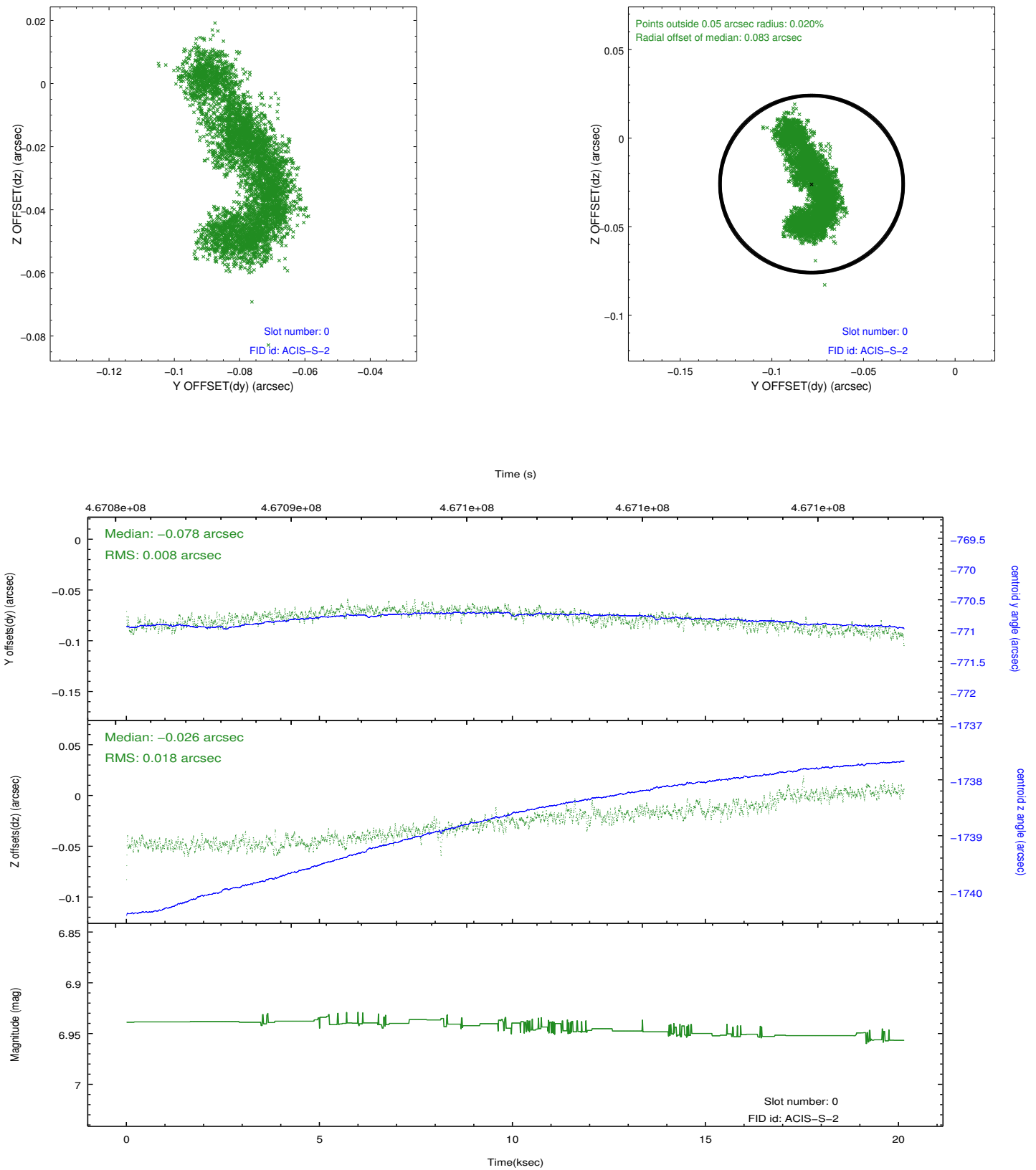


2.4.5 Slot 7

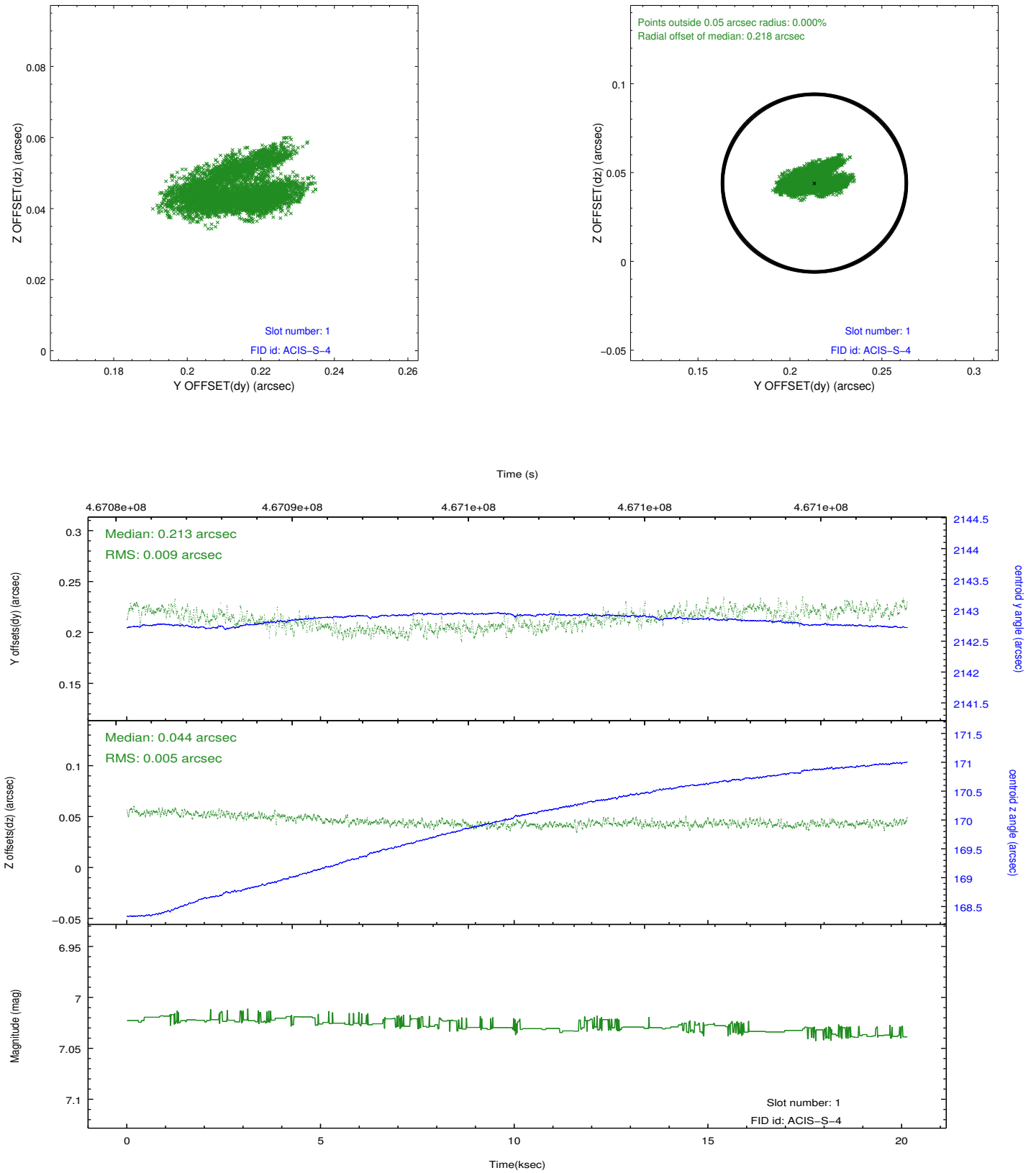


2.5 FID Slots

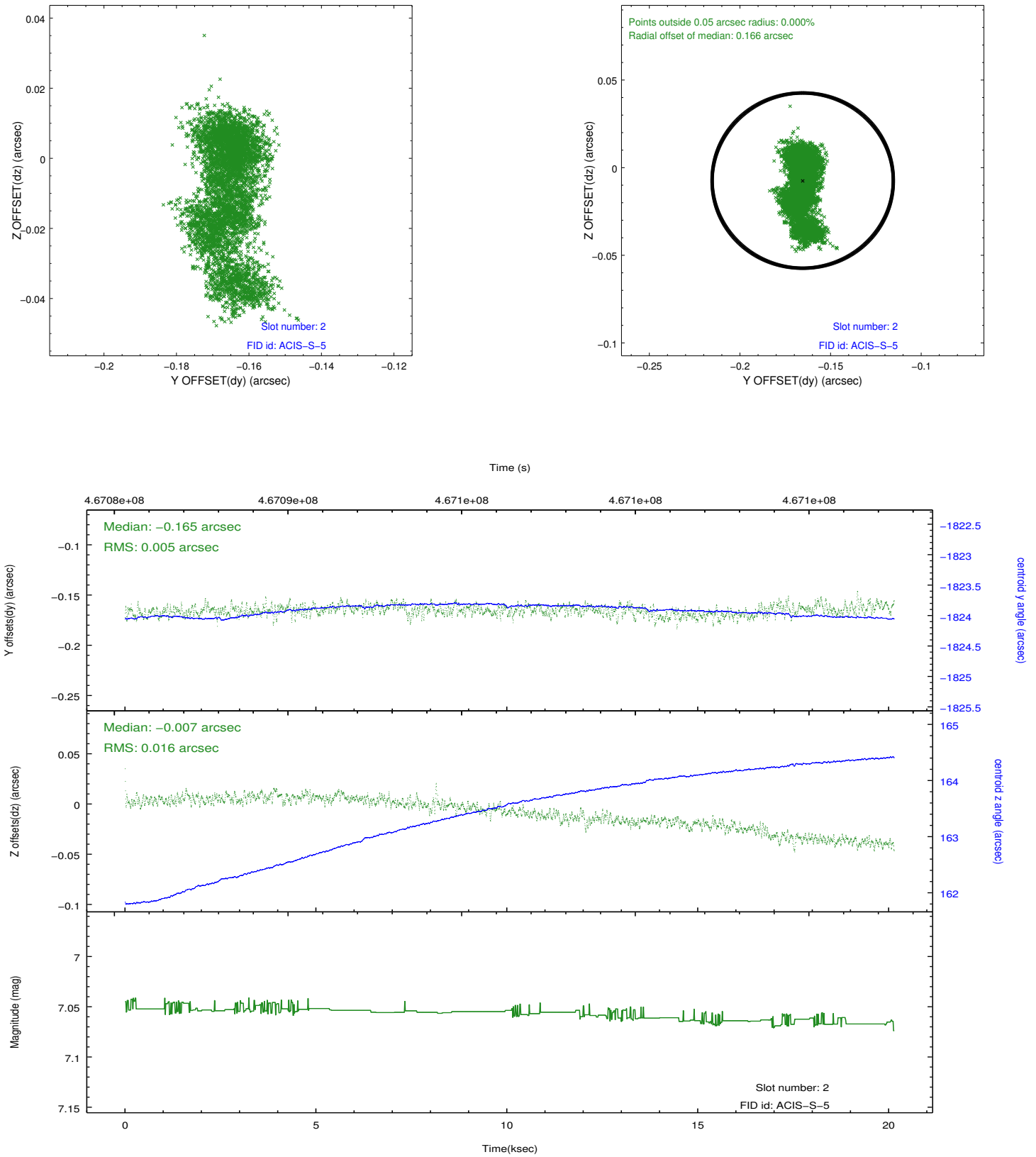
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.060800298989

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.