

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10411 - L2 Version 3
Chandra X-Ray Center

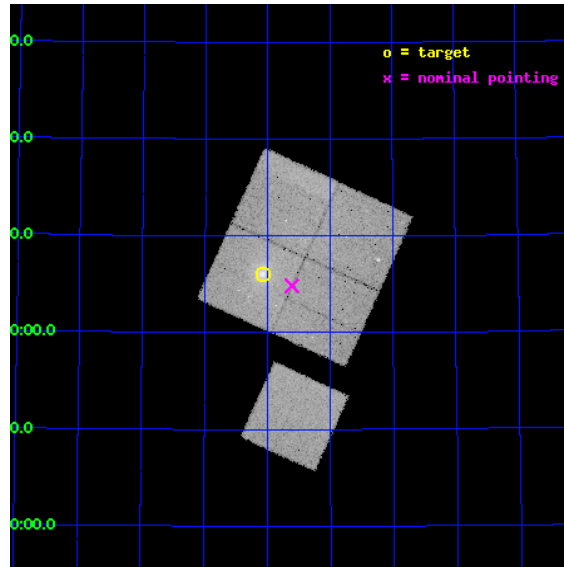
L2 Processing Date : Jun 11 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 4	9
2.4.2	Slot 5	10
2.4.3	Slot 6	11
2.4.4	Slot 7	12
2.5	FID Slots	13
2.5.1	Slot 0	13
2.5.2	Slot 1	14
2.5.3	Slot 2	15
A	Summary	16
A.1	Status	16
A.2	Comments	16

1 Front

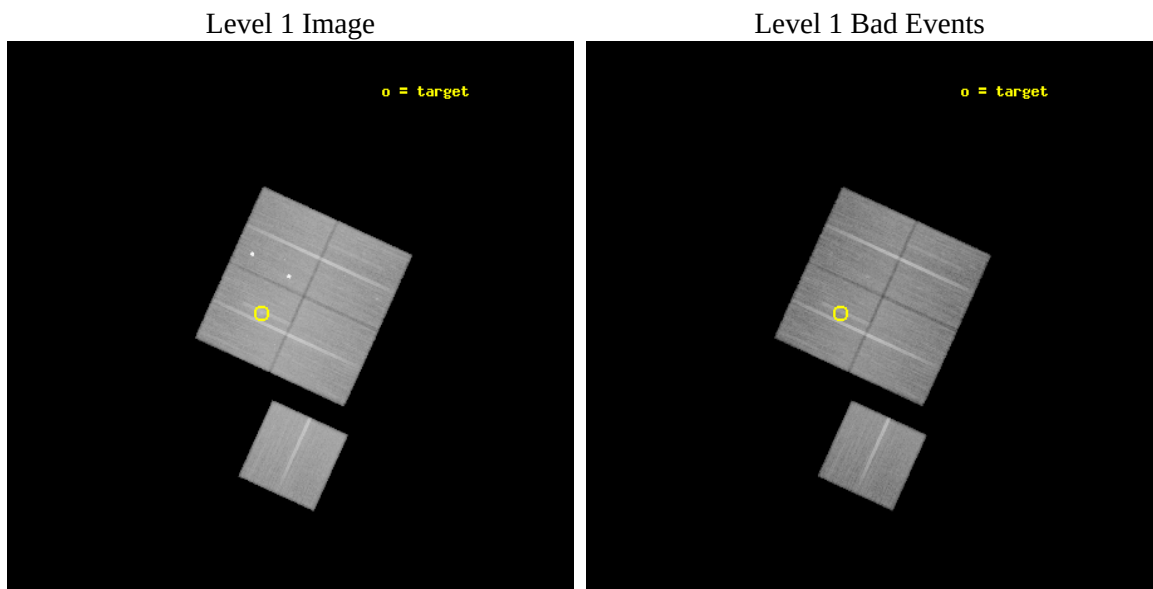
seq_num	800772	Sequence number
obs_id	10411	Observation id
title	The X-ray gaseous environment of dying radio sources	Proposal titl
observer	Dr Matteo Murgia	Principal investigator
object	Abell 2276	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.768333	Observer's specified target RA [deg]
dec_targ	64.101556	Observer's specified target Dec [deg]
ra_nom	263.65320883698	Nominal RA [deg]
dec_nom	64.08081680299	Nominal Dec [deg]
roll_nom	204.50472178073	Nominal Roll [deg]
revision	3	Processing version of data
ontime	40038.264798701	Sum of GTIs [s]
livetime	39515.135393364	Livetime [s]
ontime0	40035.000738263	Sum of GTIs [s]
ontime1	40038.182728708	Sum of GTIs [s]
ontime2	40041.364759088	Sum of GTIs [s]
ontime3	40038.264798701	Sum of GTIs [s]
ontime6	40038.100648761	Sum of GTIs [s]
l2events	156634	Number of level 2 events



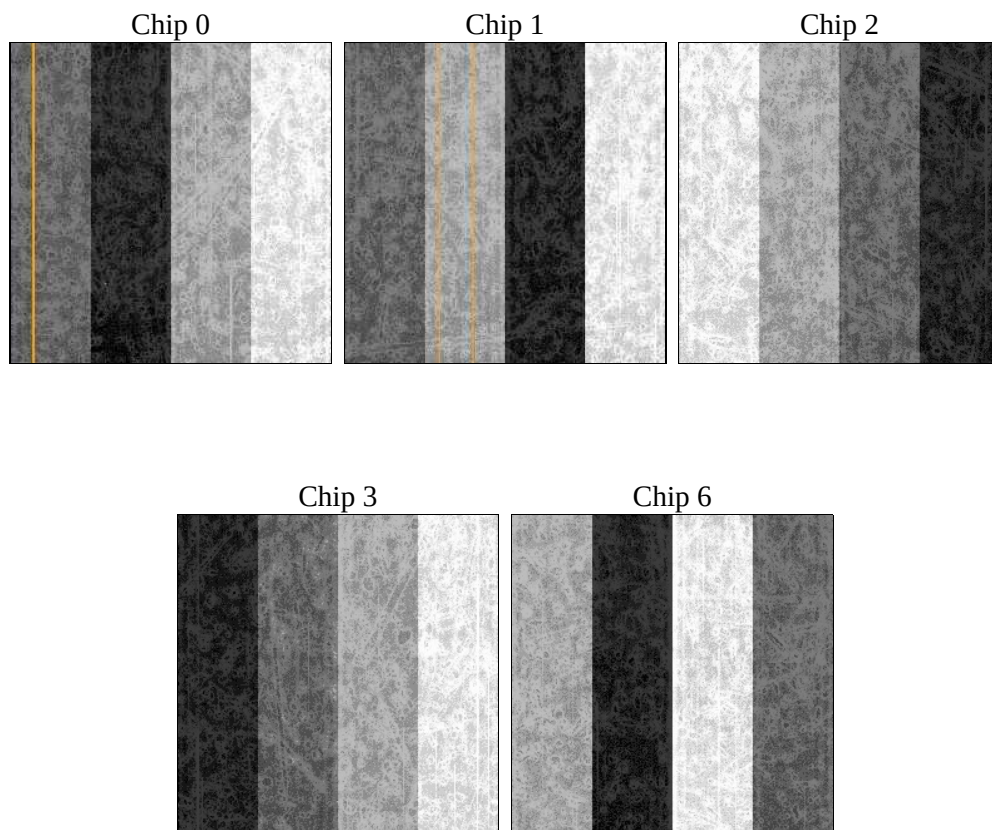
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40038.264798701	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	40035.000738263	Sum of GTIs [s]
date	2012-06-11T22:47:28	Date and time of file creation	ontime1	40038.182728708	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	40041.364759088	Sum of GTIs [s]
			ontime3	40038.264798701	Sum of GTIs [s]
			ontime6	40038.100648761	Sum of GTIs [s]
			l1events	1737039	Number of level 1 events

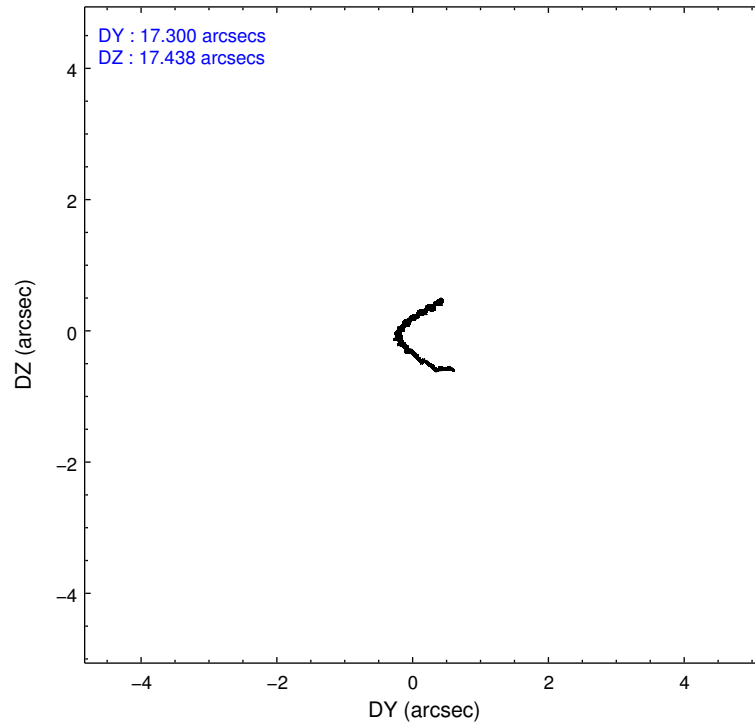
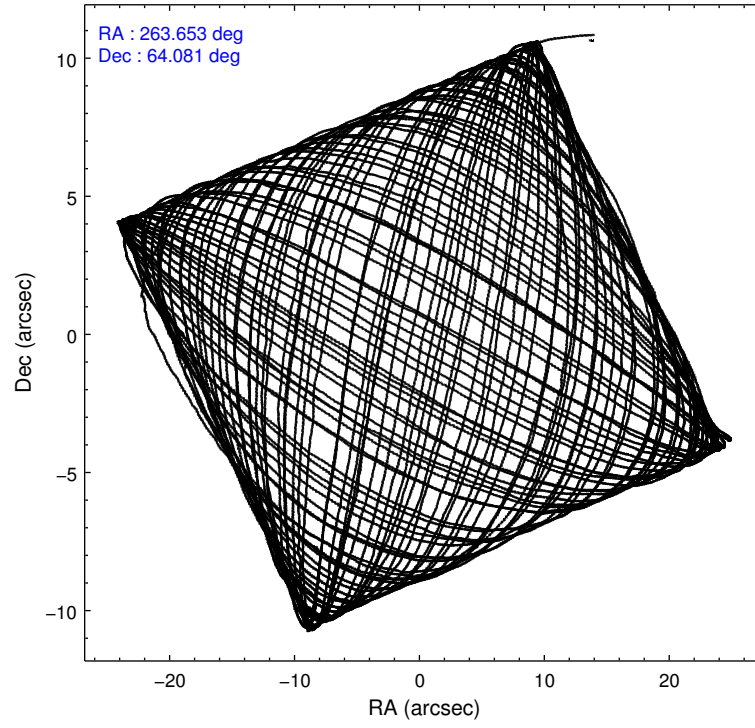
2.1.4 Events

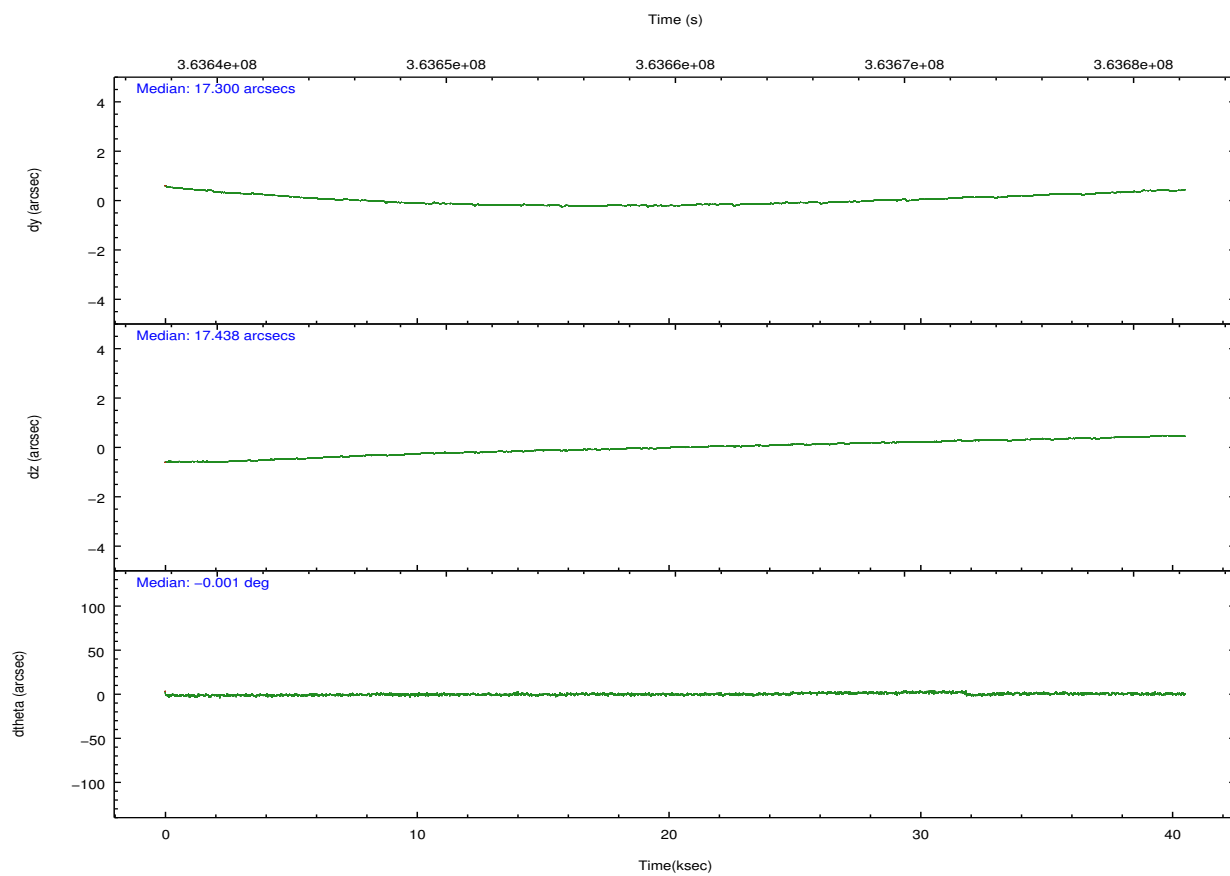
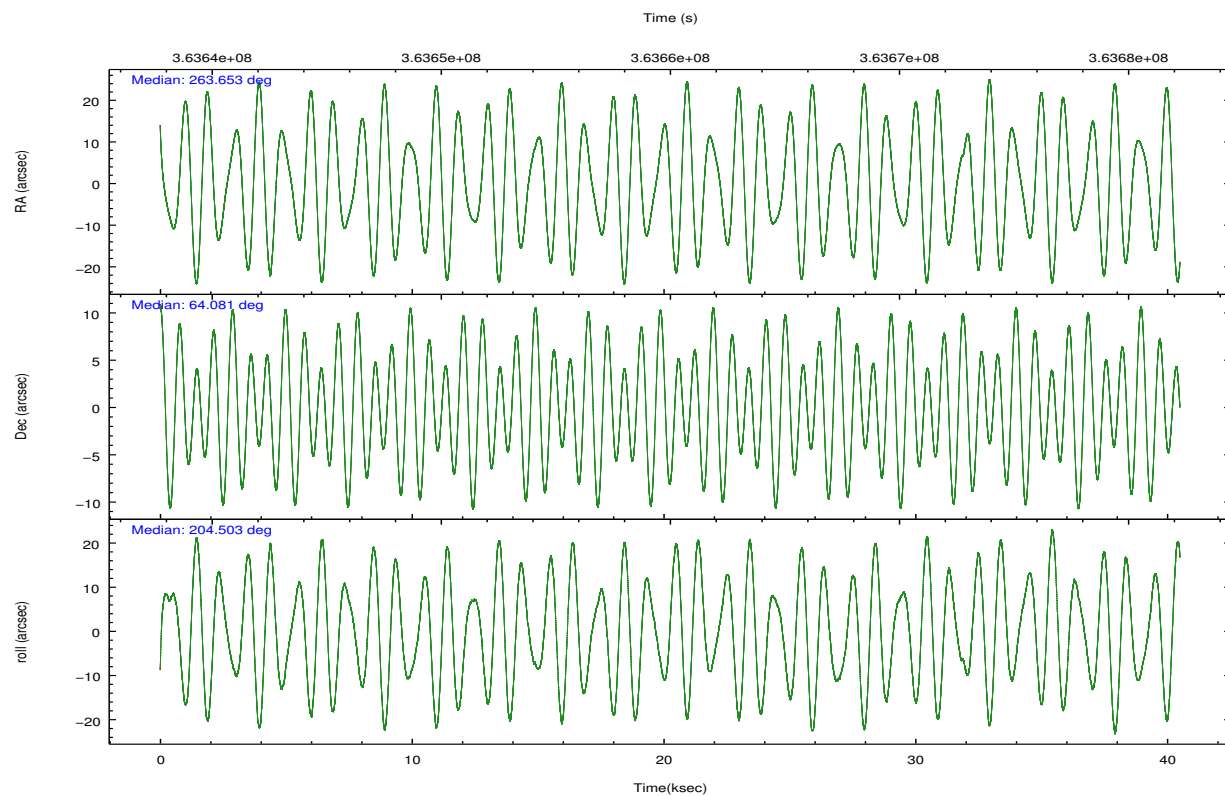
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	321531	351054	359695	354875	349884	grade 0 events	12746	38355	12202	18677	12175
rejected events	285503	287155	325603	313101	314147		3%	10%	3%	5%	3%
rejected %	88%	81%	90%	88%	89%	grade 1 events	187	304	203	230	180
							0%	0%	0%	0%	0%
						grade 2 events	8810	9177	8289	8309	8066
							2%	2%	2%	2%	2%
						grade 3 events	3861	4206	3512	3961	3866
							1%	1%	0%	1%	1%
						grade 4 events	3623	4105	3686	3958	3887
							1%	1%	1%	1%	1%
						grade 5 events	12544	13522	12047	14440	14133
							3%	3%	3%	4%	4%
						grade 6 events	6991	8060	6405	6876	7747
							2%	2%	1%	1%	2%
						grade 7 events	272769	273325	313351	298424	299830
							84%	77%	87%	84%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	263.689580	263.6532088369777	Subarray requested	NONE	NONE
[deg] Pointing Dec	64.103271	64.08081680299	Alternating exposures requested	N	N
[deg] Pointing Roll	204.263325	204.5047217807308	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-226.192463	-226.185290213036			
[mm] SIM translation stage offset	-7.4	-7.407162789893647			
[s] Observation start time (MET)	363640234.184000	363639147.75496			
Observation start date	2009-07-10T19:09:28	2009-07-10T18:52:27			
[s] Observation end time (MET)	363680234.184000	363680818.10705			
Observation end date	2009-07-11T06:16:08	2009-07-11T06:26:58			
Read mode	TIMED	TIMED			

2.3 Aspect



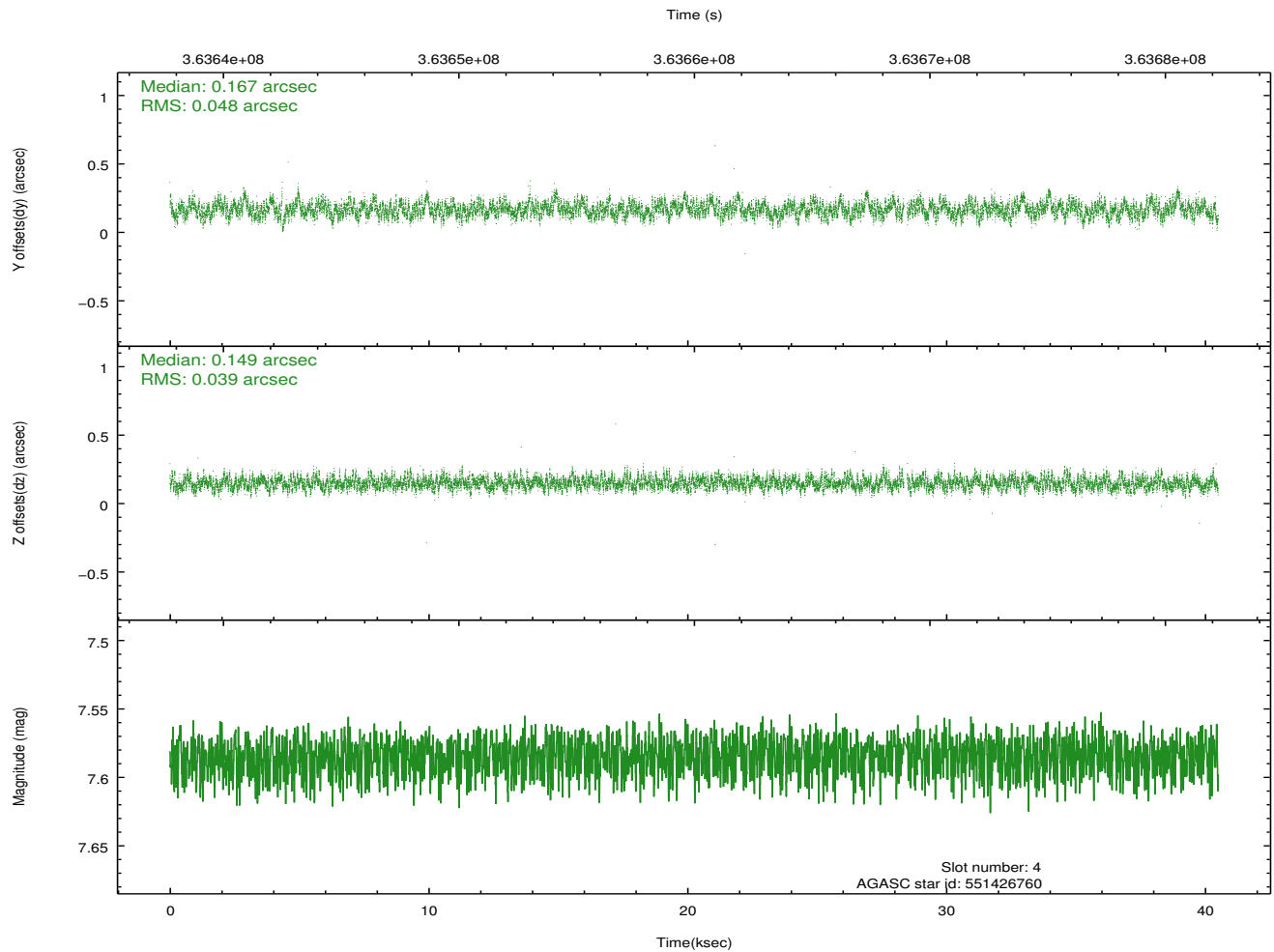
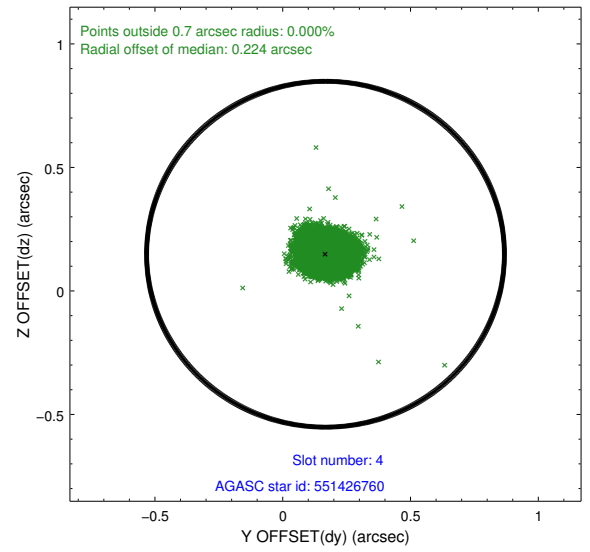
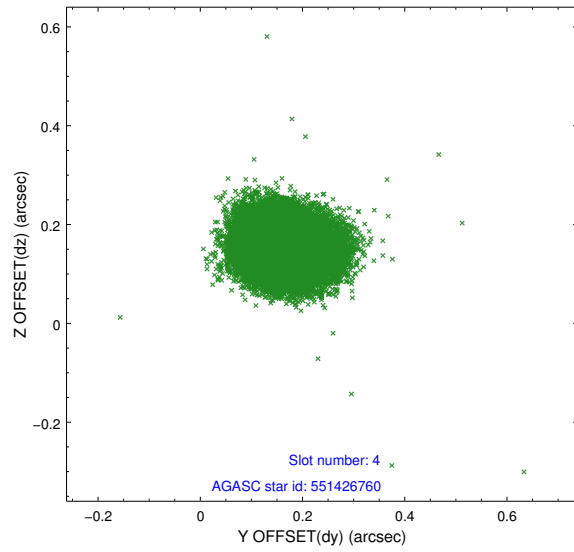


Slot Statistics

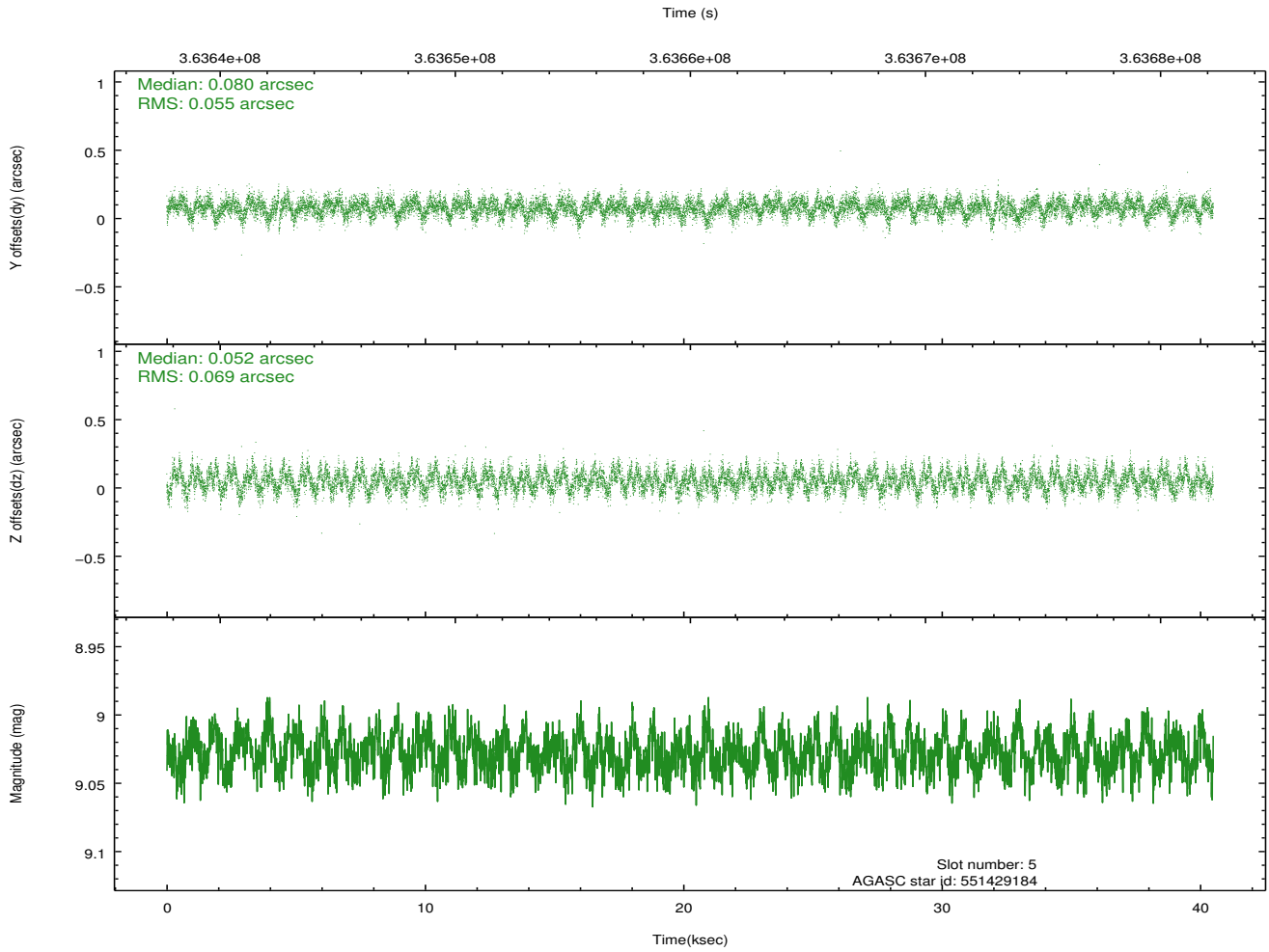
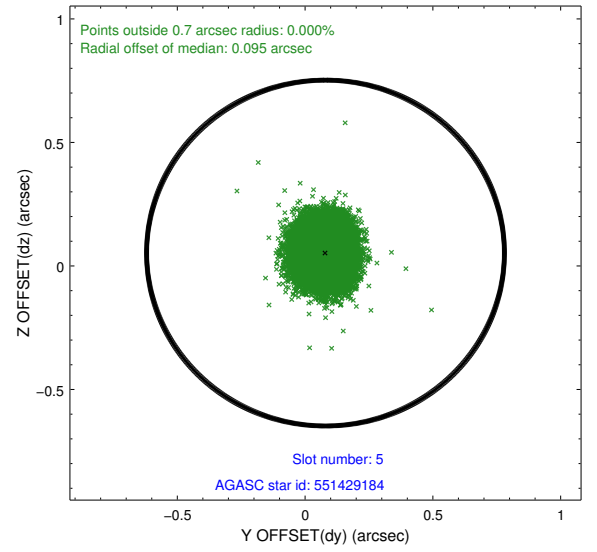
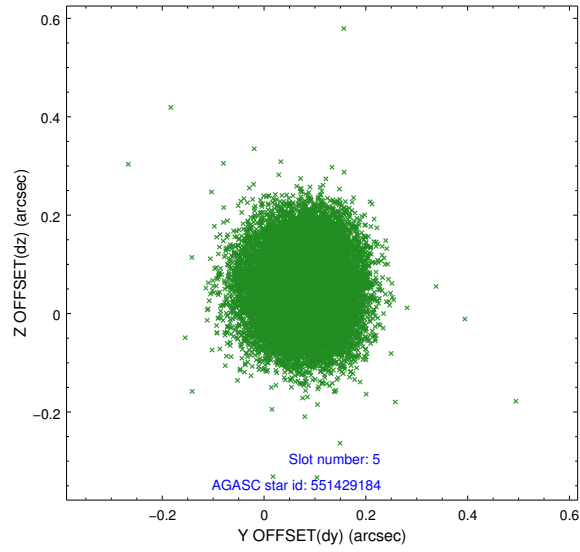
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.02	9879	-0.196	-0.102	0.016	0.026	0.000000	0.000000	-772.86	-998.59
1	FID	ACIS-I-4	6.96	9878	0.060	0.141	0.014	0.021	0.000000	0.000000	2141.45	907.69
2	FID	ACIS-I-6	7.07	9879	0.034	0.026	0.013	0.021	0.000000	0.000000	387.90	1548.89
3	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
4	GUIDE	551426760	7.59	19692	0.167	0.149	0.066	0.106	262.915632	64.510853	487.64	-1836.96
5	GUIDE	551429184	9.03	19740	0.080	0.052	0.095	0.150	264.314000	63.858943	-543.15	1204.31
6	GUIDE	551430176	7.07	19755	-0.123	-0.189	0.055	0.089	262.582014	63.777506	2081.81	331.16
7	GUIDE	551430592	8.68	19746	-0.124	-0.012	0.073	0.120	263.619904	63.845623	482.12	800.07

2.4 Star Slots

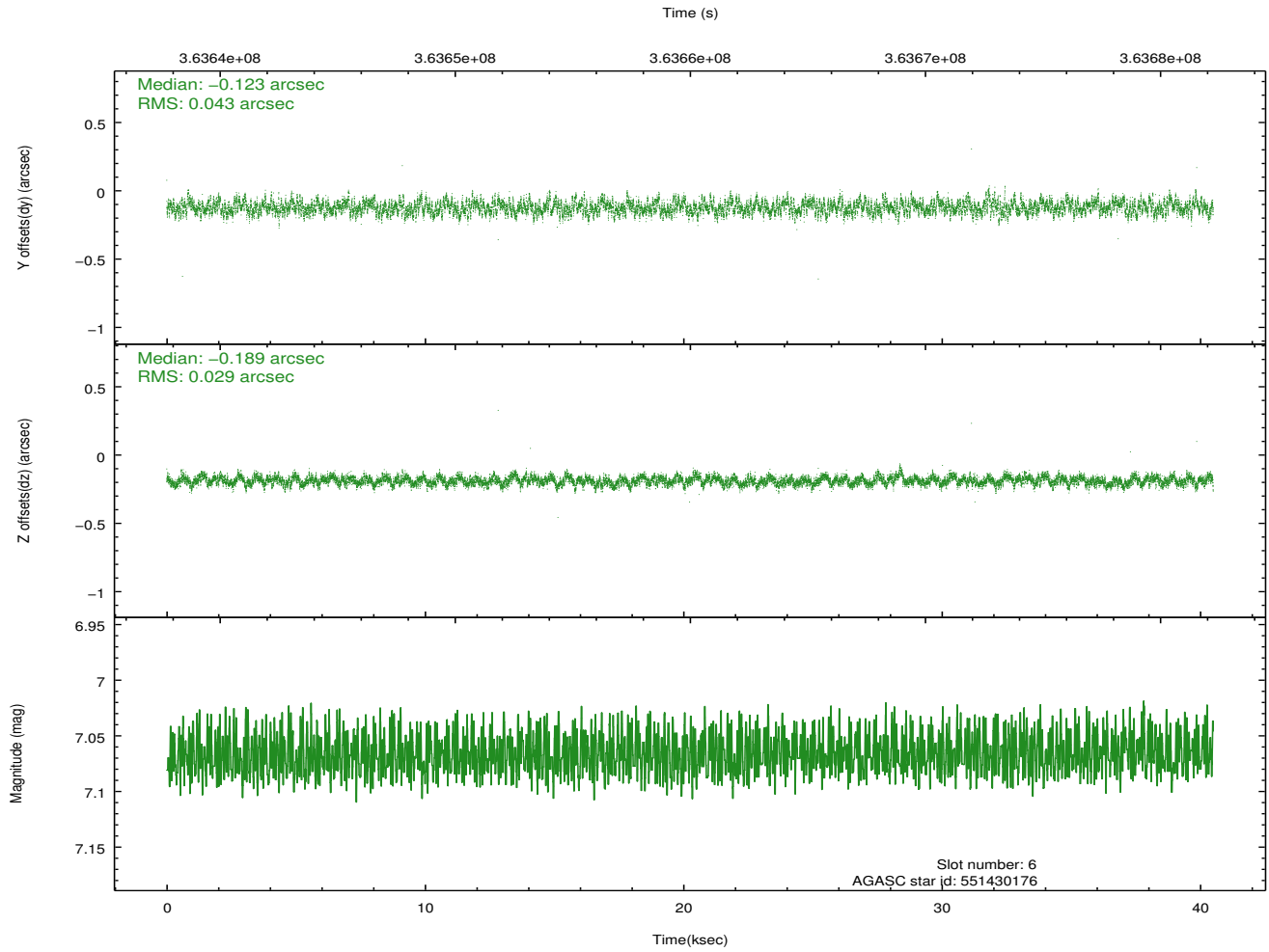
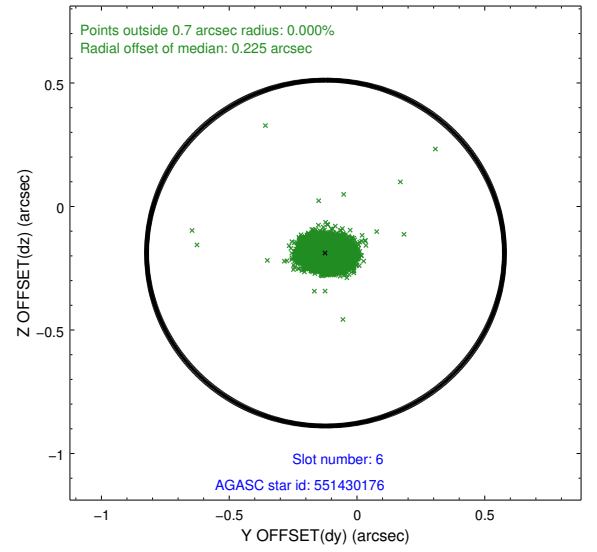
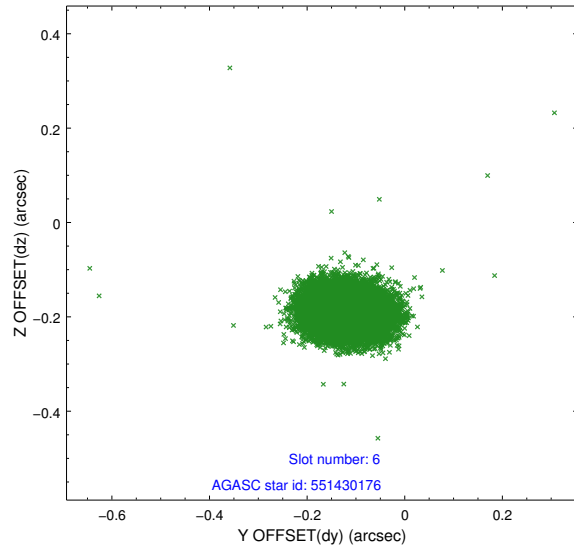
2.4.1 Slot 4



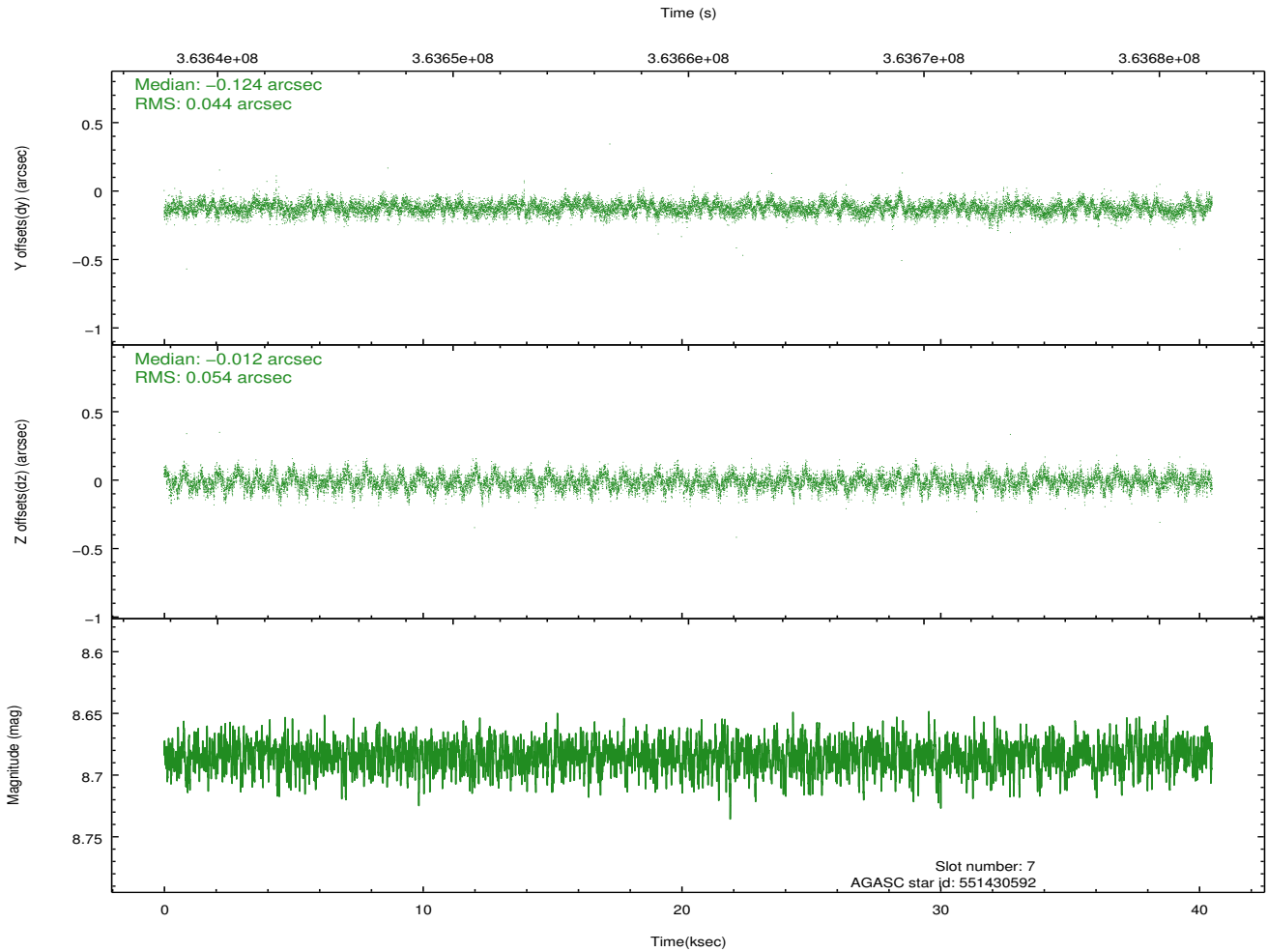
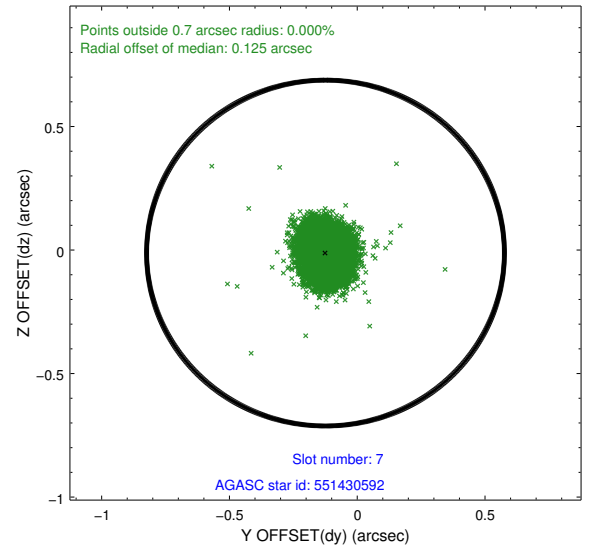
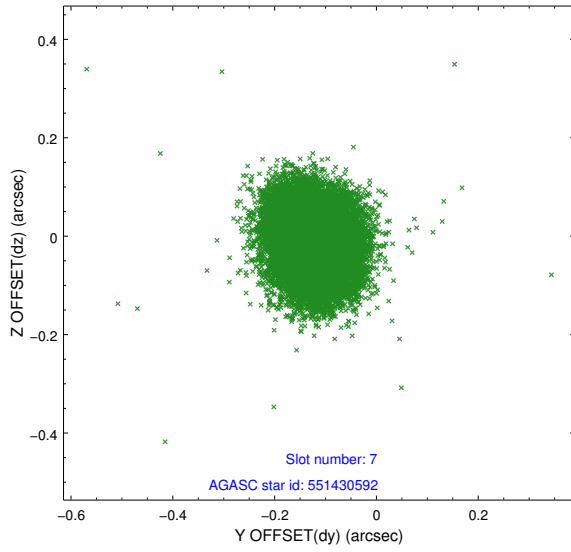
2.4.2 Slot 5



2.4.3 Slot 6

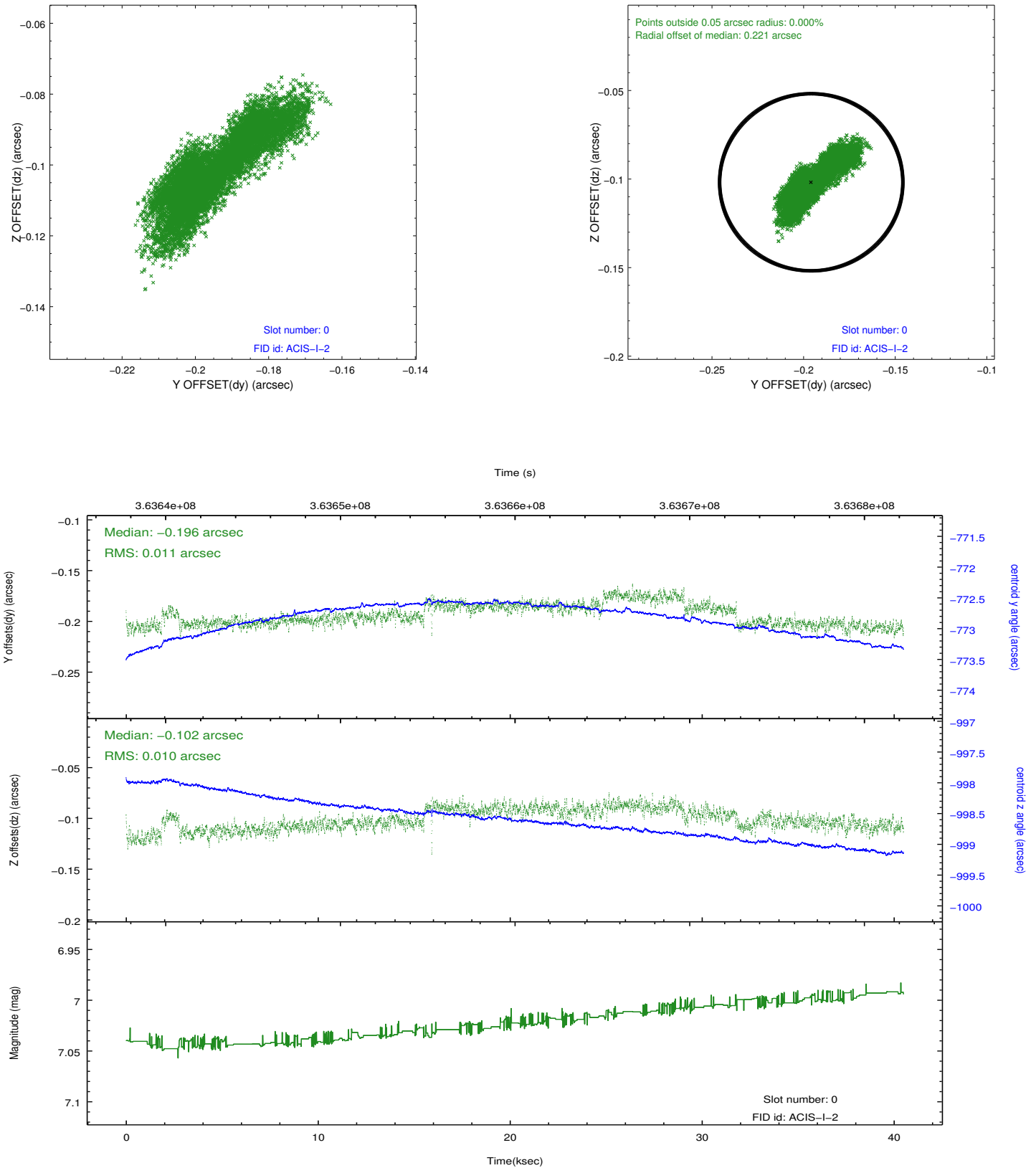


2.4.4 Slot 7

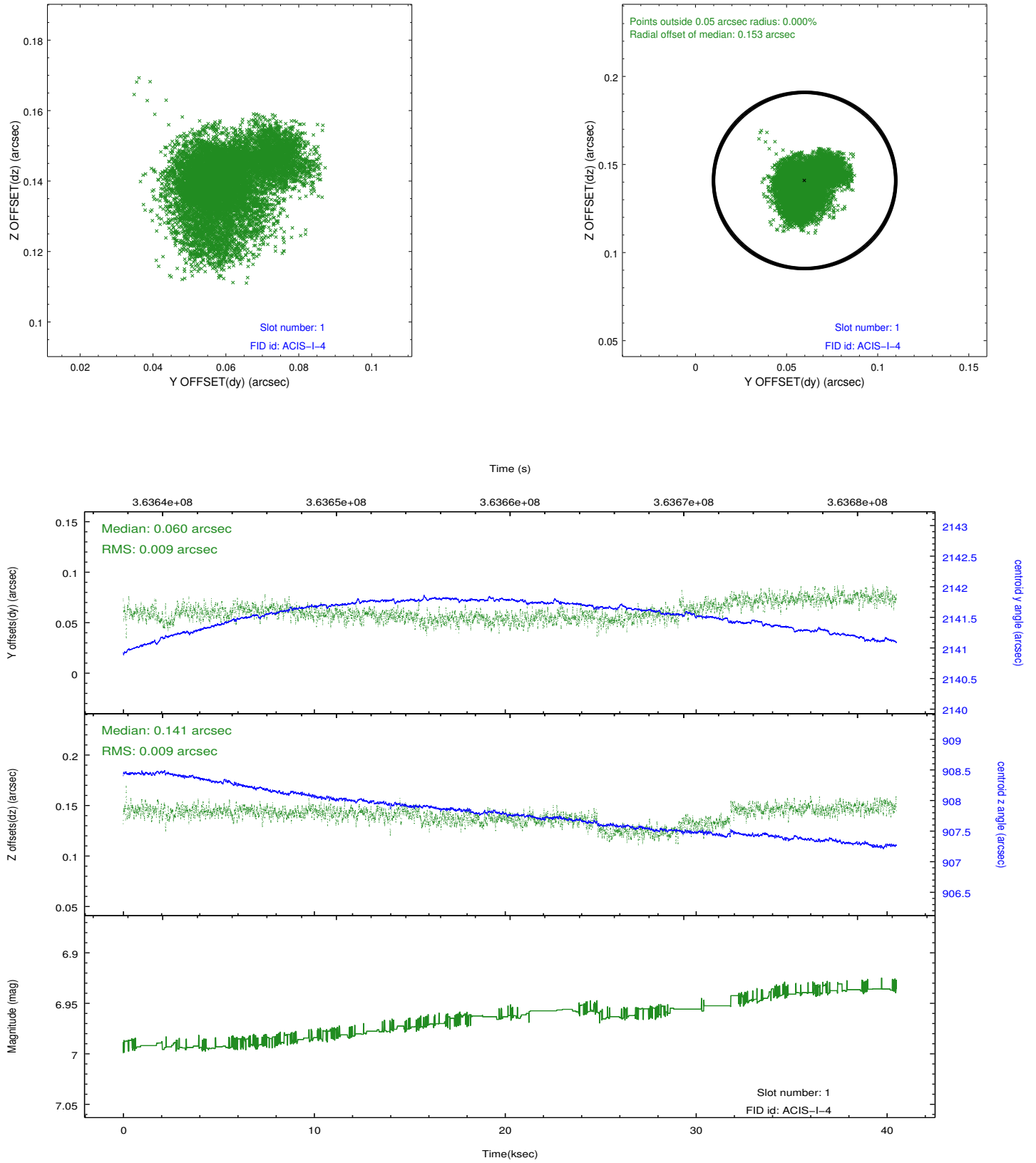


2.5 FID Slots

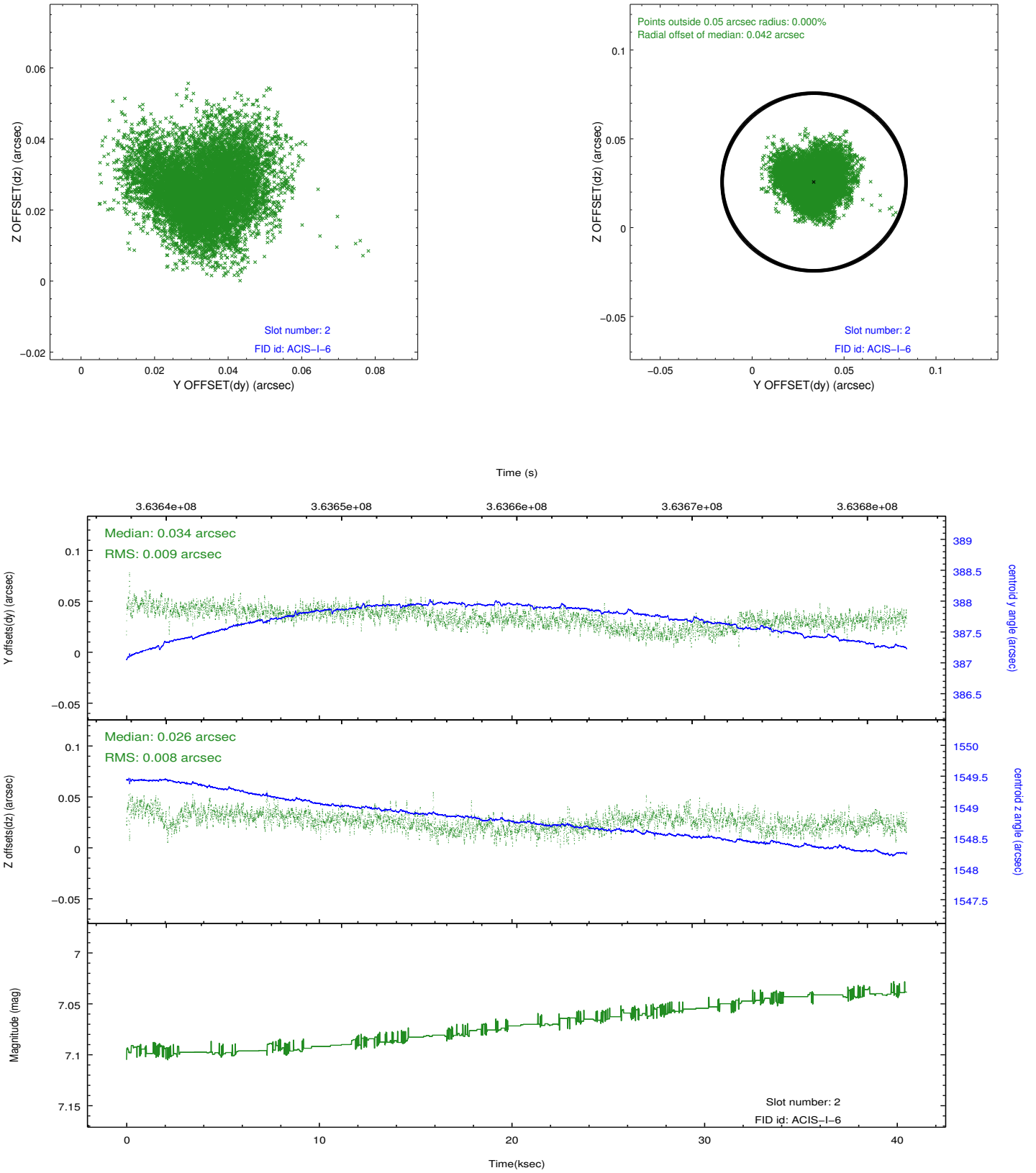
2.5.1 Slot 0



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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.0382648

A.2 Comments

The guide star in slot 3 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.