

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13629 - L2 Version 1
Chandra X-Ray Center

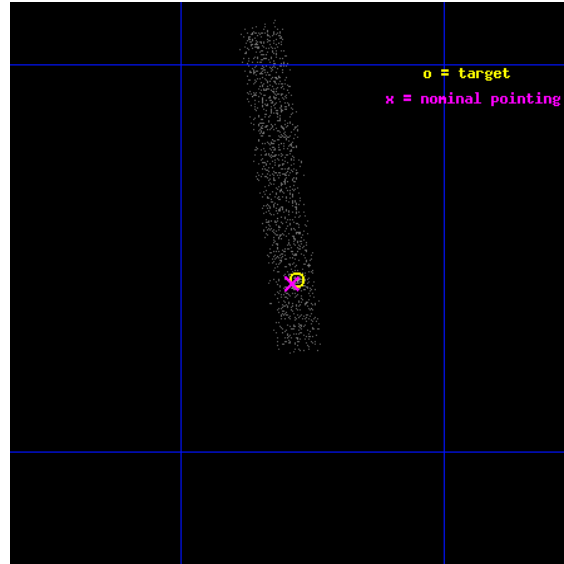
L2 Processing Date : Jul 7 2012

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1 Front

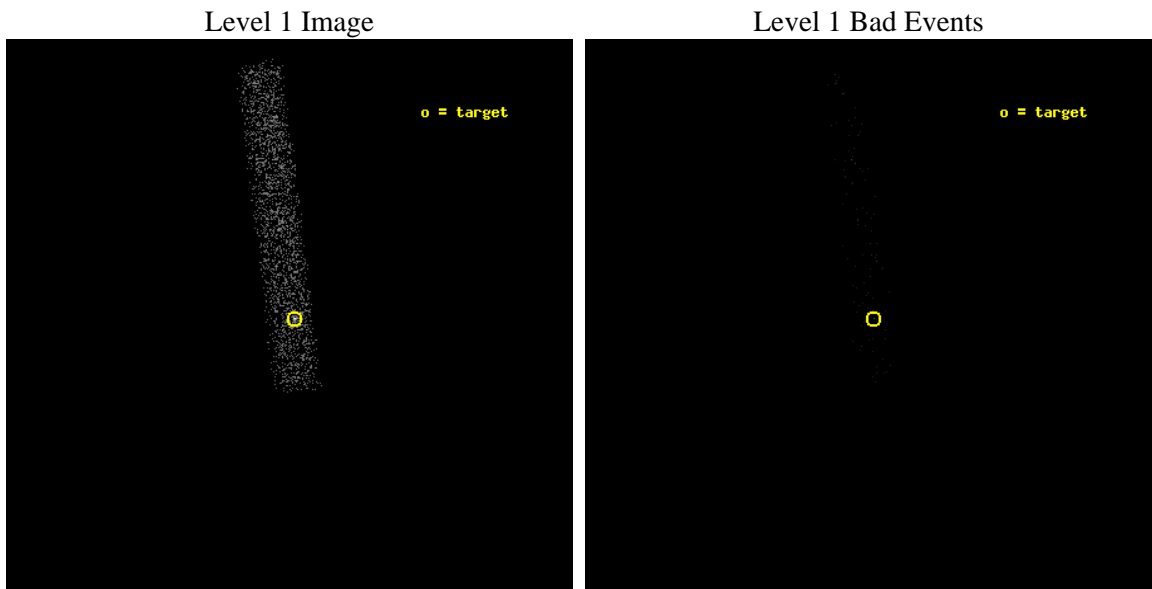
seq_num	200783	Sequence number
obs_id	13629	Observation id
title	A Search for X-ray Emission from Colliding Magnetospheres in Young Eccentric Stellar Binaries	Proposal title
observer	Dr. Konstantin Getman	Principal investigator
object	RXJ1622.7-2325_P3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	245.695	Observer's specified target RA [deg]
dec_targ	-23.425861	Observer's specified target Dec [deg]
ra_nom	245.69755231465	Nominal RA [deg]
dec_nom	-23.427882281583	Nominal Dec [deg]
roll_nom	263.1787688551	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3069.8850688338	Sum of GTIs [s]
livetime	2784.223715612	Livetime [s]
ontime7	3069.8850688338	Sum of GTIs [s]
l2events	1760	Number of level 2 events



2 OBI

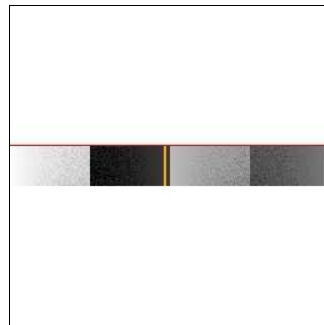
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3069.8850688338	Sum of GTIs [s]
caldbver	4.5.0	 	ontime7	3069.8850688338	Sum of GTIs [s]
date	2012-07-07T22:35:25	Date and time of file creation	l1events	3023	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

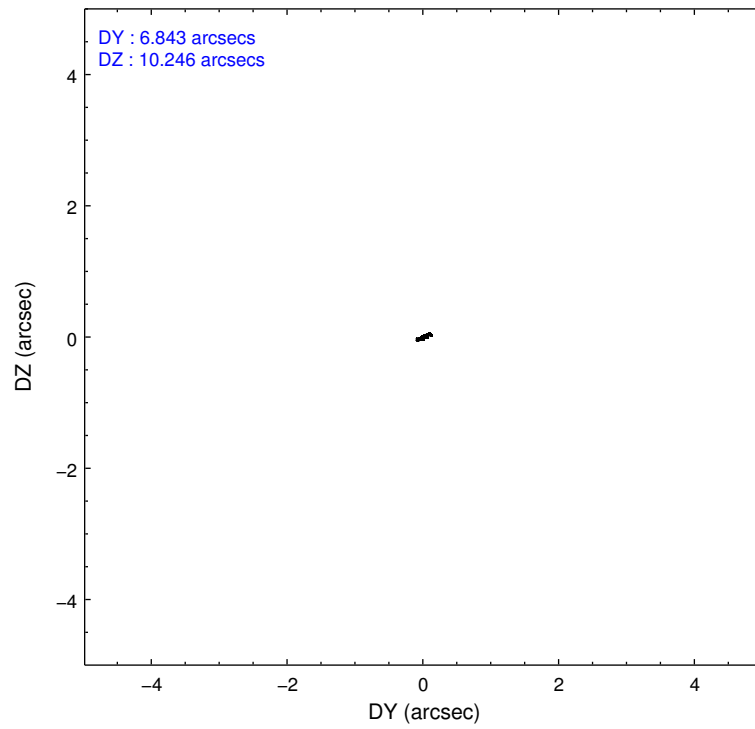
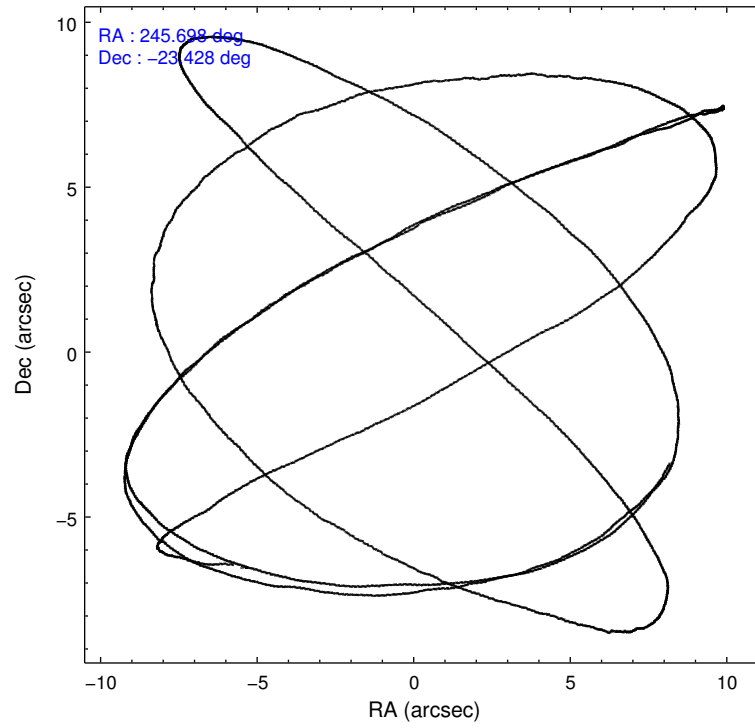
	ccd 7
level 1 events	3023
rejected events	1192
rejected %	39%

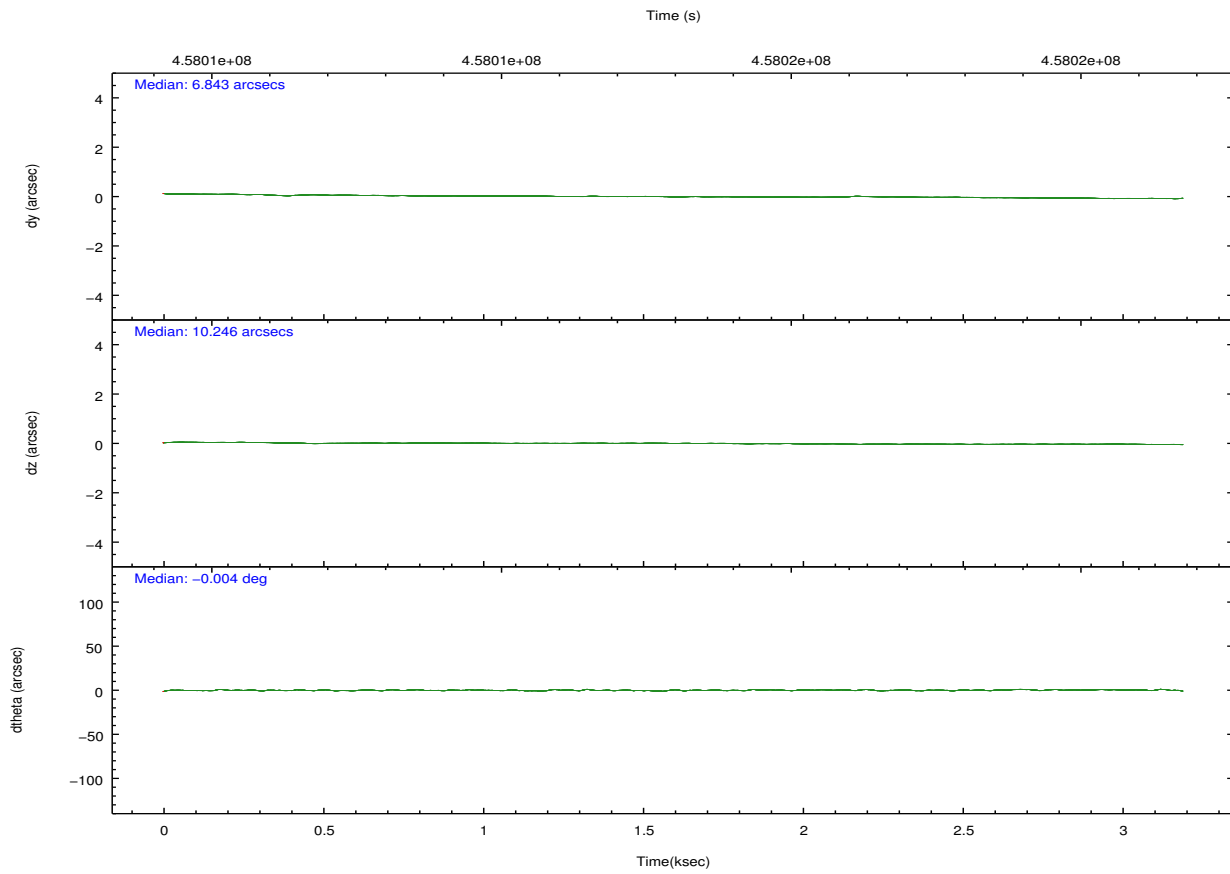
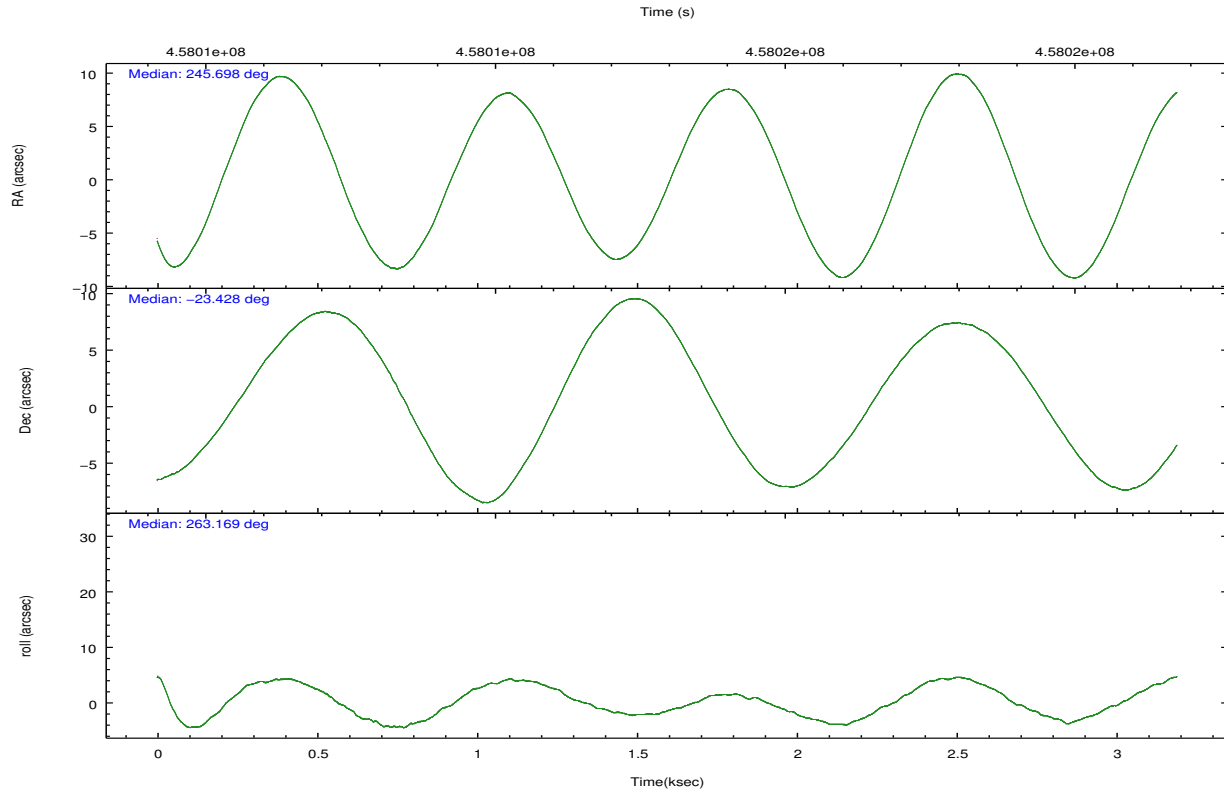
	ccd 7
grade 0 events	279
	9%
grade 1 events	2
	0%
grade 2 events	371
	12%
grade 3 events	256
	8%
grade 4 events	229
	7%
grade 5 events	247
	8%
grade 6 events	696
	23%
grade 7 events	943
	31%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	245.685456	245.6975523146513	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-23.402796	-23.42788228158261	Subarray start row	449	449
[deg] Pointing Roll	263.017310	263.1787688550974	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
Phase constraints	Y	Y			
[d] Phase period	3.230000	3.230000			
[d] Phase epoch (MJD)	55627.380000	55627.380000			
Phase start	0.000000	0.000000			
Phase end	0.010000	0.010000			
Phase start error	0.010000	0.010000			
Phase end error	0.010000	0.010000			
[s] Observation start time (MET)	458013180.184000	458012414.94183			
Observation start date	2012-07-07T01:51:53	2012-07-07T01:40:14			
[s] Observation end time (MET)	458016180.184000	458016623.07955			
Observation end date	2012-07-07T02:41:53	2012-07-07T02:50:23			
Read mode	TIMED	TIMED			

2.3 Aspect



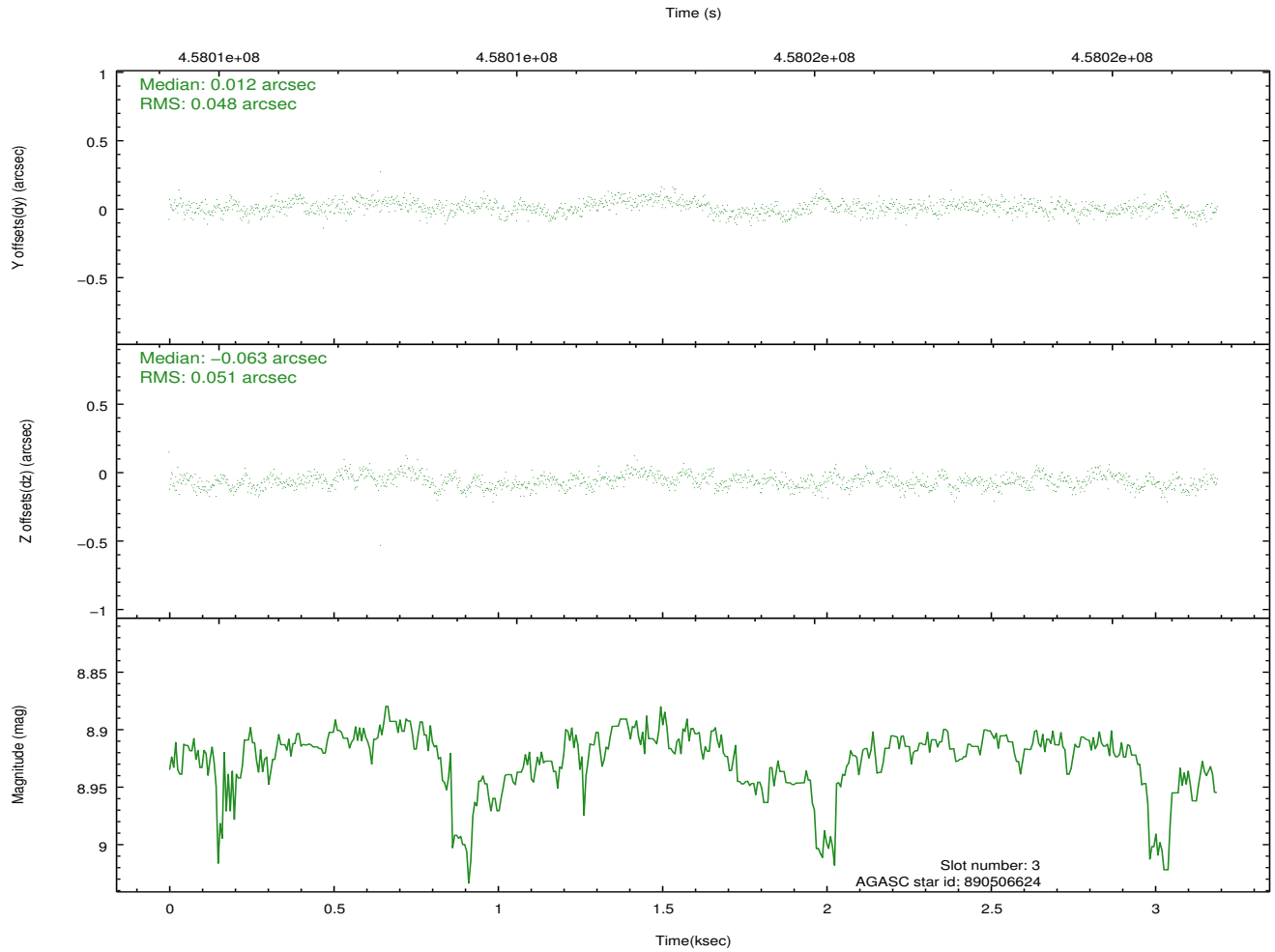
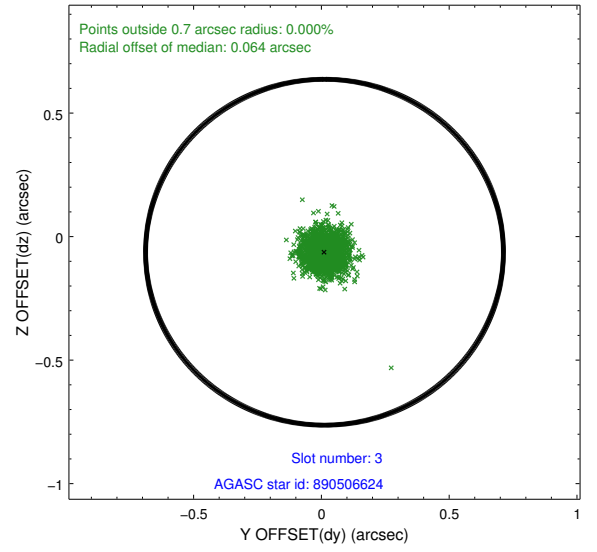
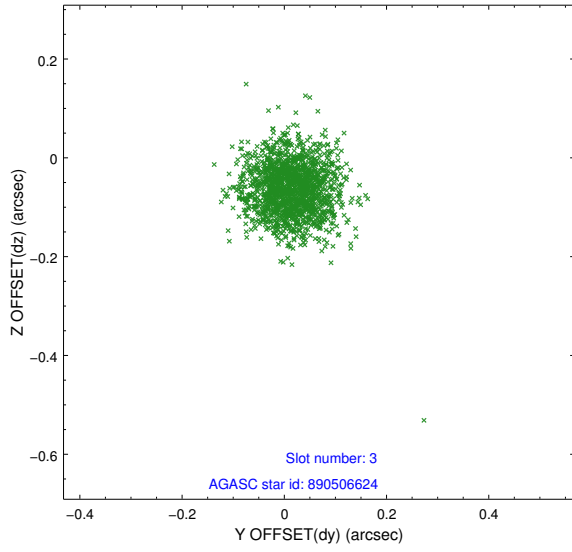


Slot Statistics

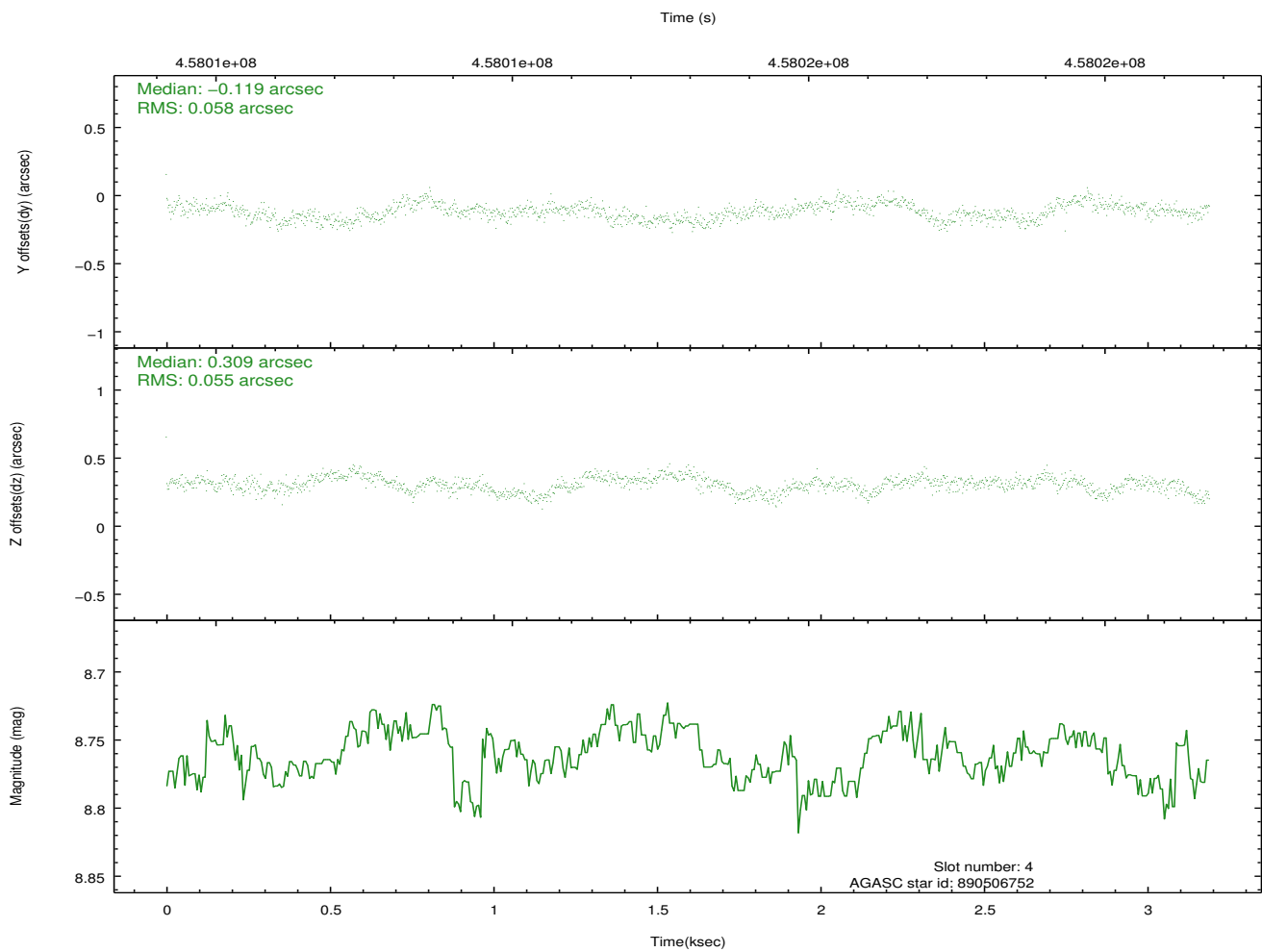
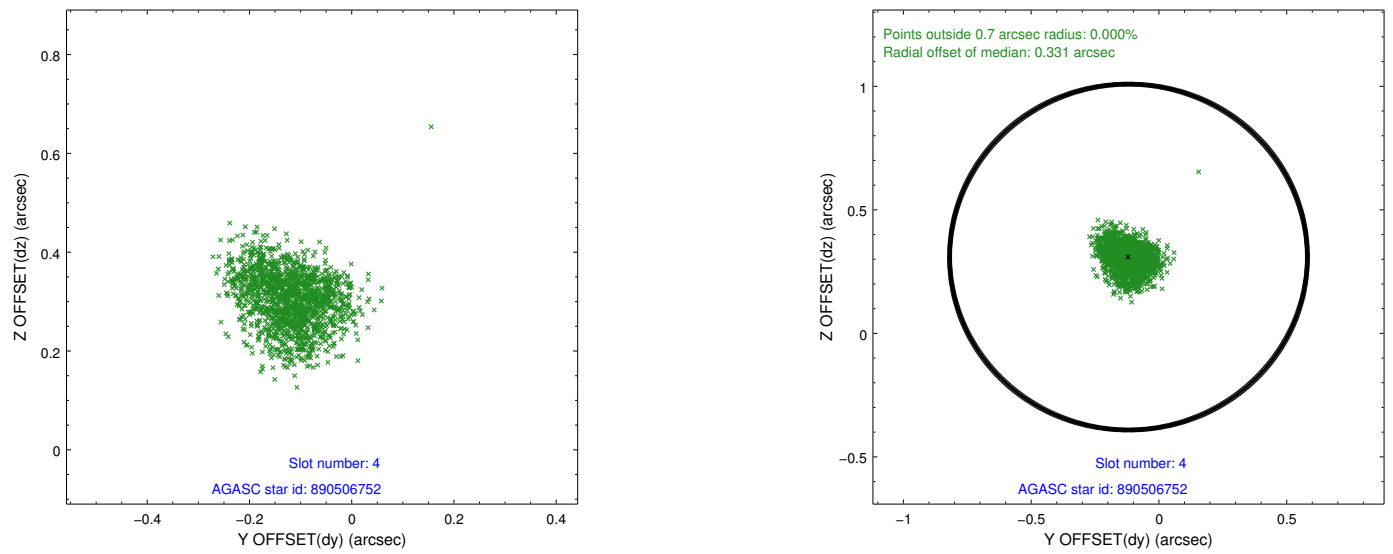
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.03	779	-0.088	-0.046	0.006	0.011	0.000000	0.000000	-759.67	-1731.49
1	FID	ACIS-S-4	7.13	779	0.217	0.055	0.005	0.010	0.000000	0.000000	2153.00	175.05
2	FID	ACIS-S-5	7.16	778	-0.160	-0.000	0.006	0.011	0.000000	0.000000	-1810.03	170.91
3	GUIDE	890506624	8.92	1548	0.012	-0.063	0.074	0.116	246.053874	-23.500392	203.00	1249.74
4	GUIDE	890506752	8.76	1557	-0.119	0.309	0.086	0.132	245.184812	-23.845052	1783.84	-1440.98
5	GUIDE	890507552	7.38	1557	0.014	-0.152	0.078	0.126	246.396169	-23.405213	-269.97	2331.18
6	GUIDE	890507576	7.38	1557	0.175	-0.163	0.068	0.111	245.329963	-23.707983	1234.91	-1027.90
7	GUIDE	890505808	9.74	1556	-0.082	0.064	0.113	0.188	245.020117	-22.800017	-1879.44	-2455.87

2.4 Star Slots

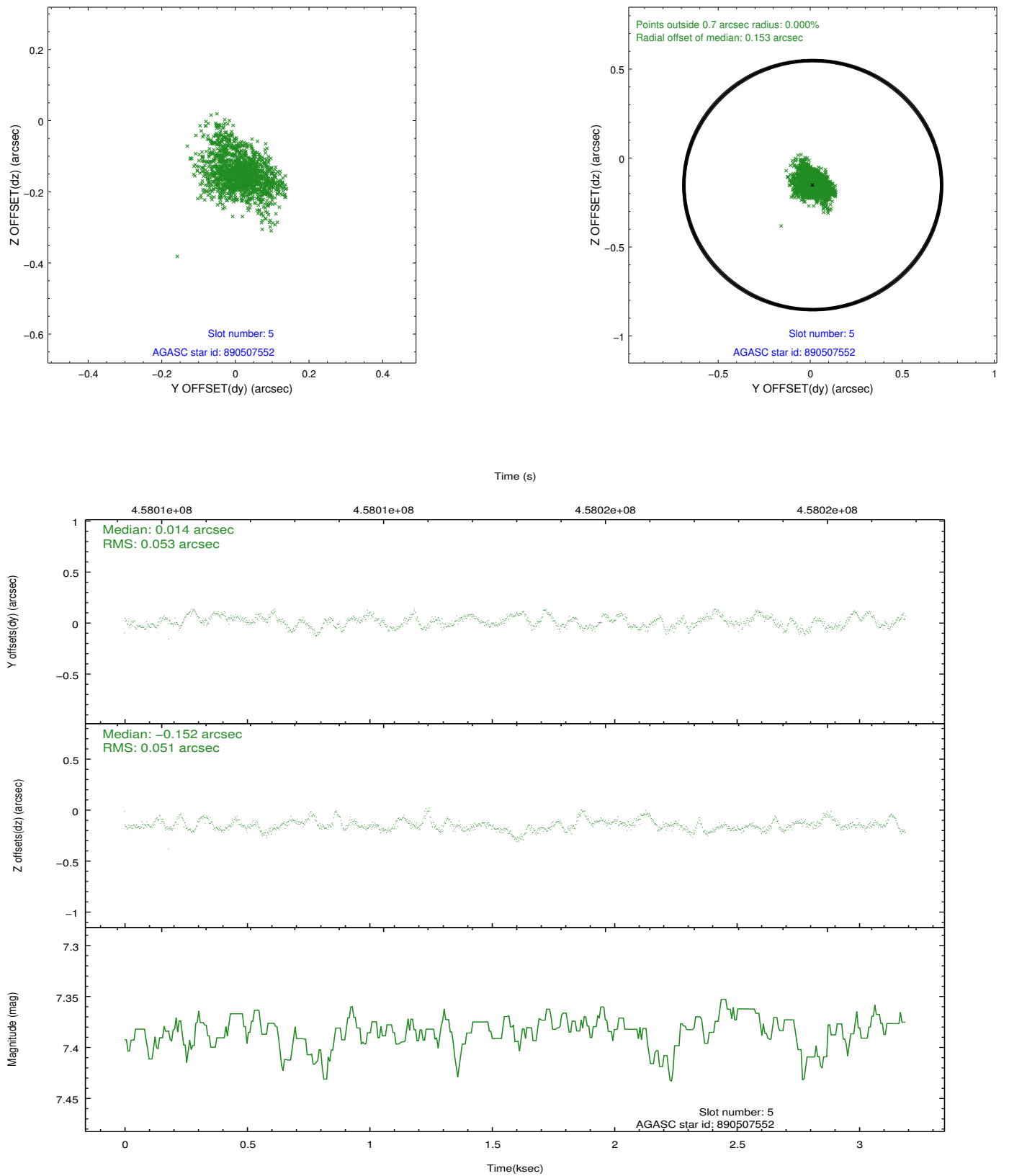
2.4.1 Slot 3



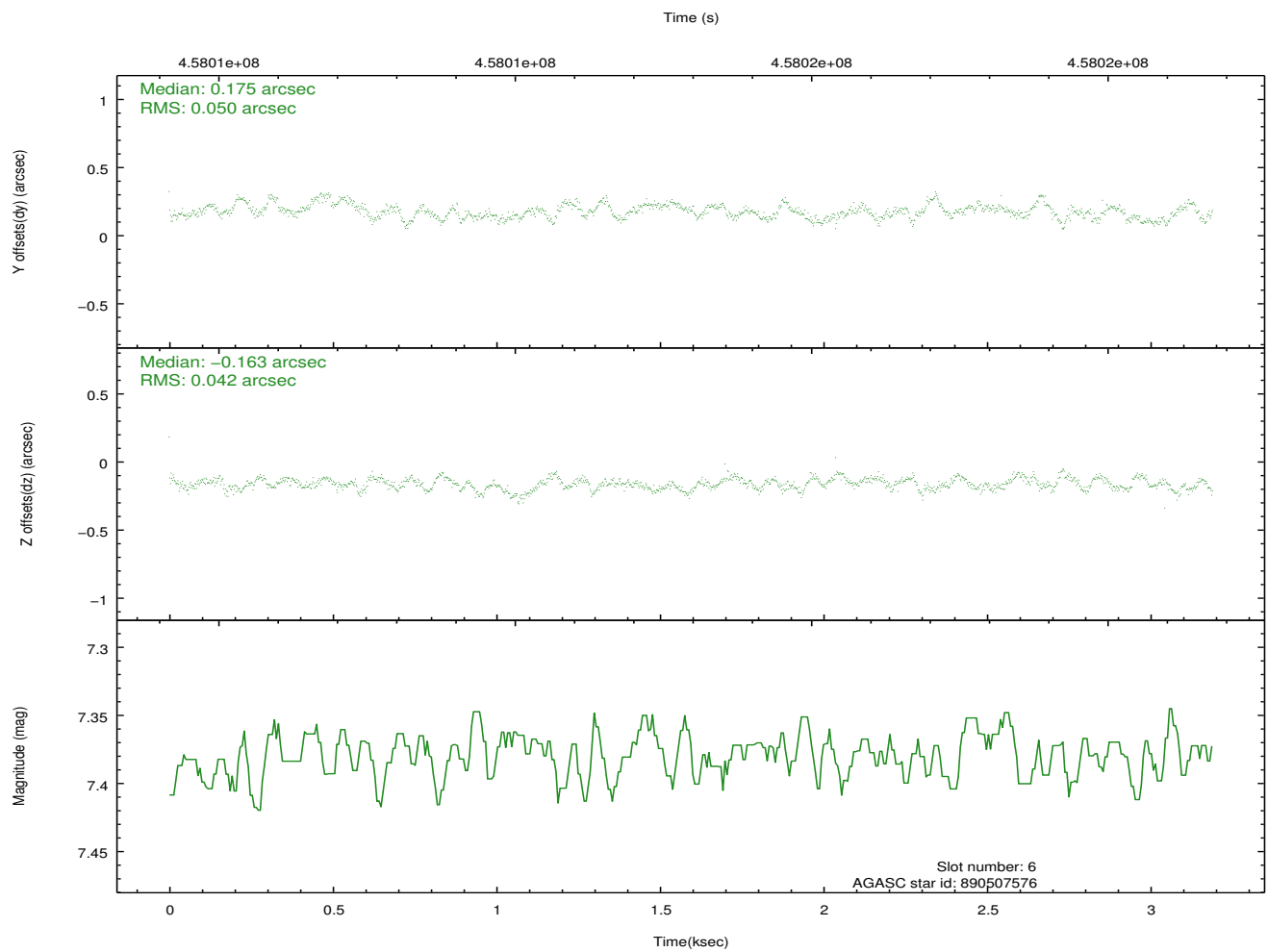
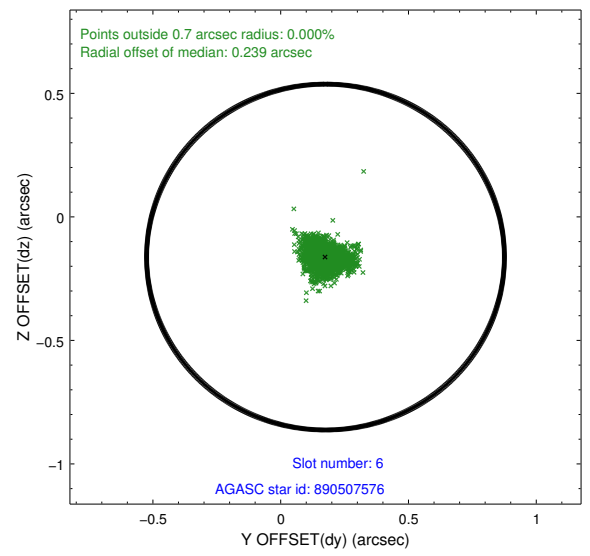
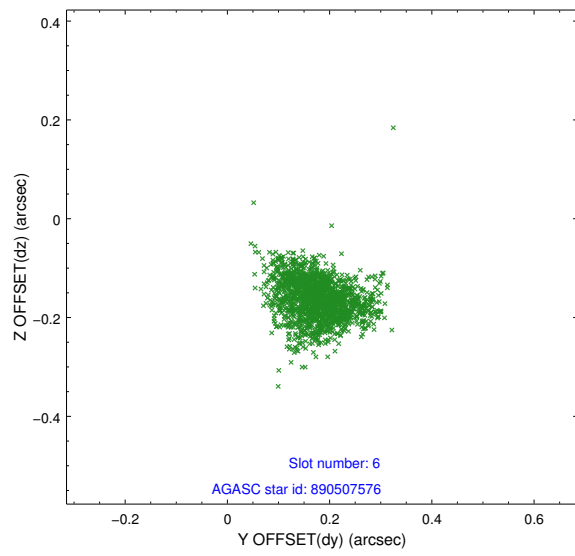
2.4.2 Slot 4



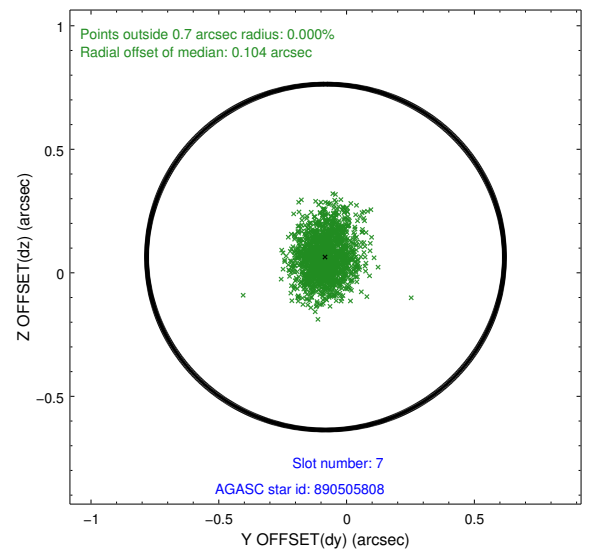
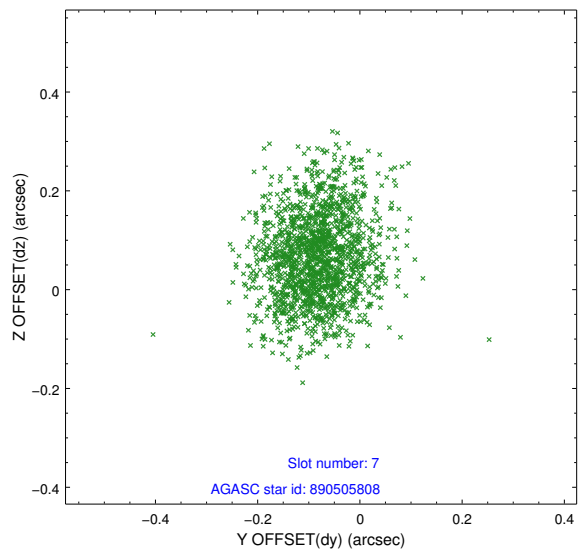
2.4.3 Slot 5



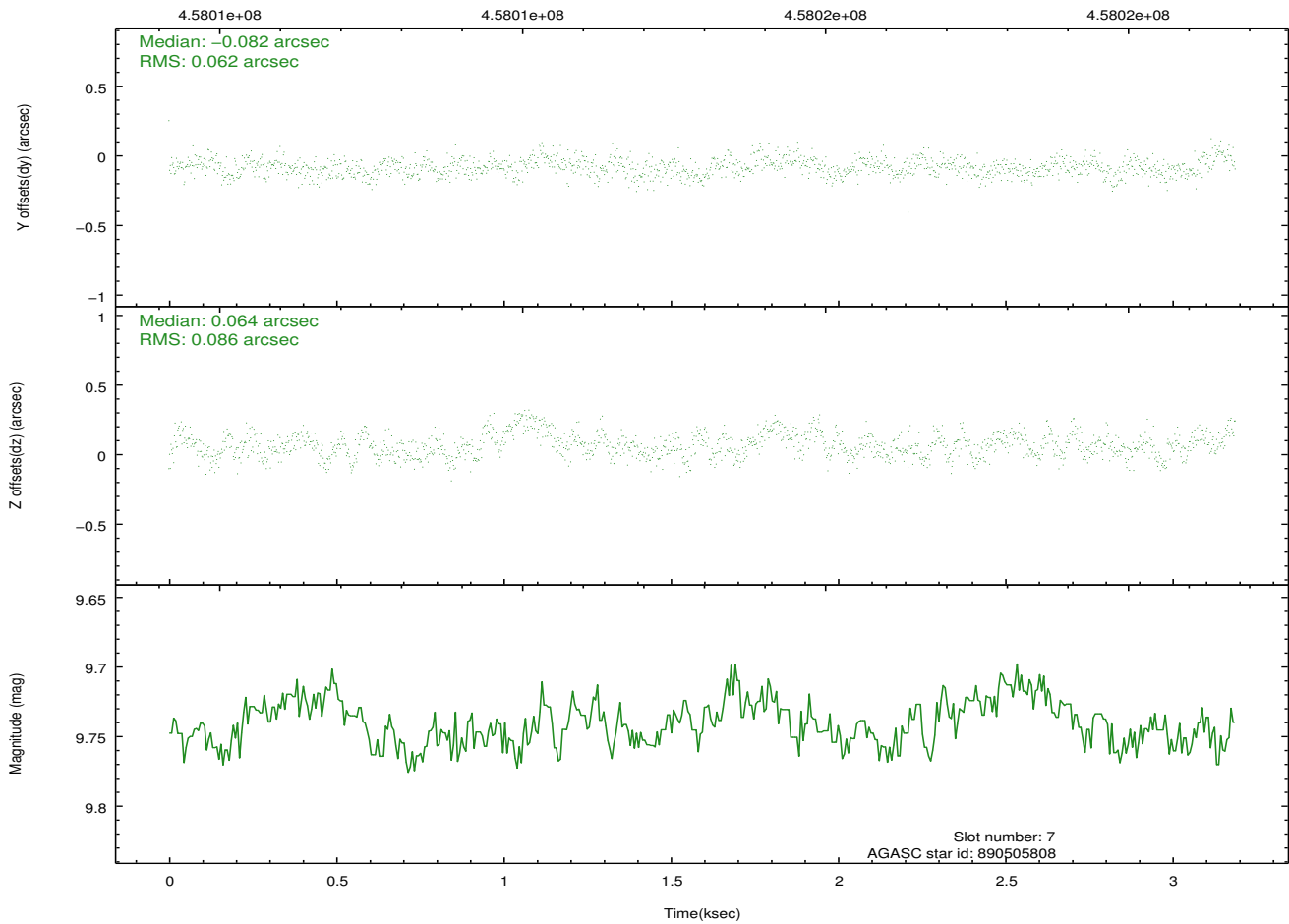
2.4.4 Slot 6



2.4.5 Slot 7

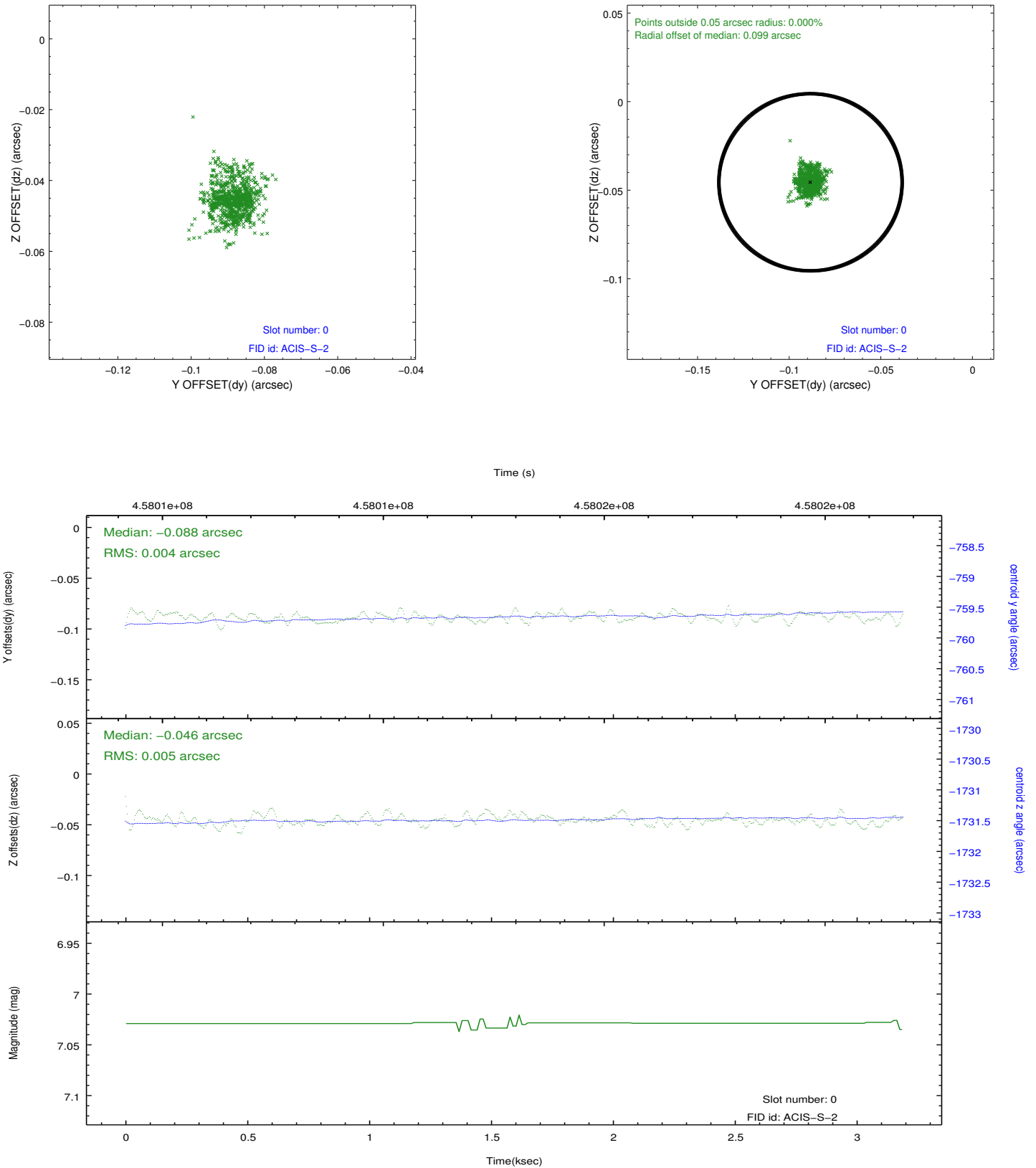


Time (s)

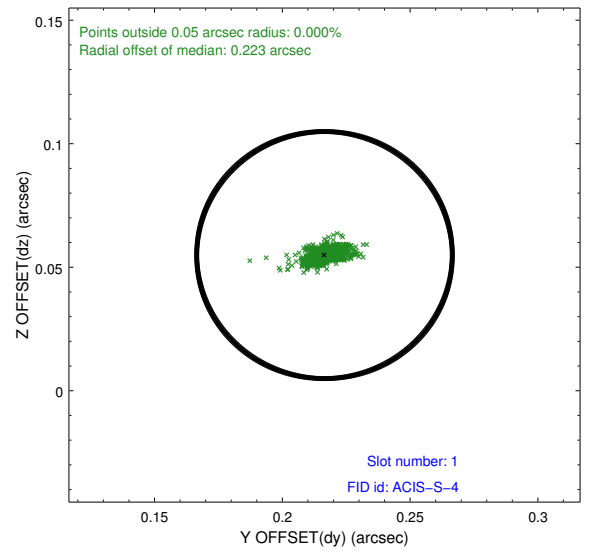
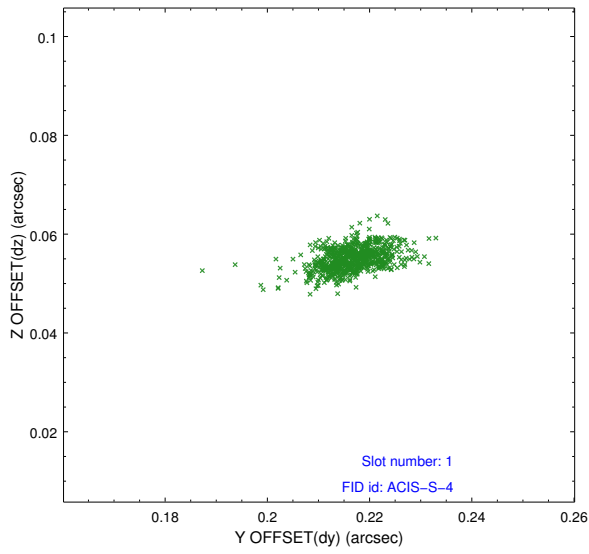


2.5 FID Slots

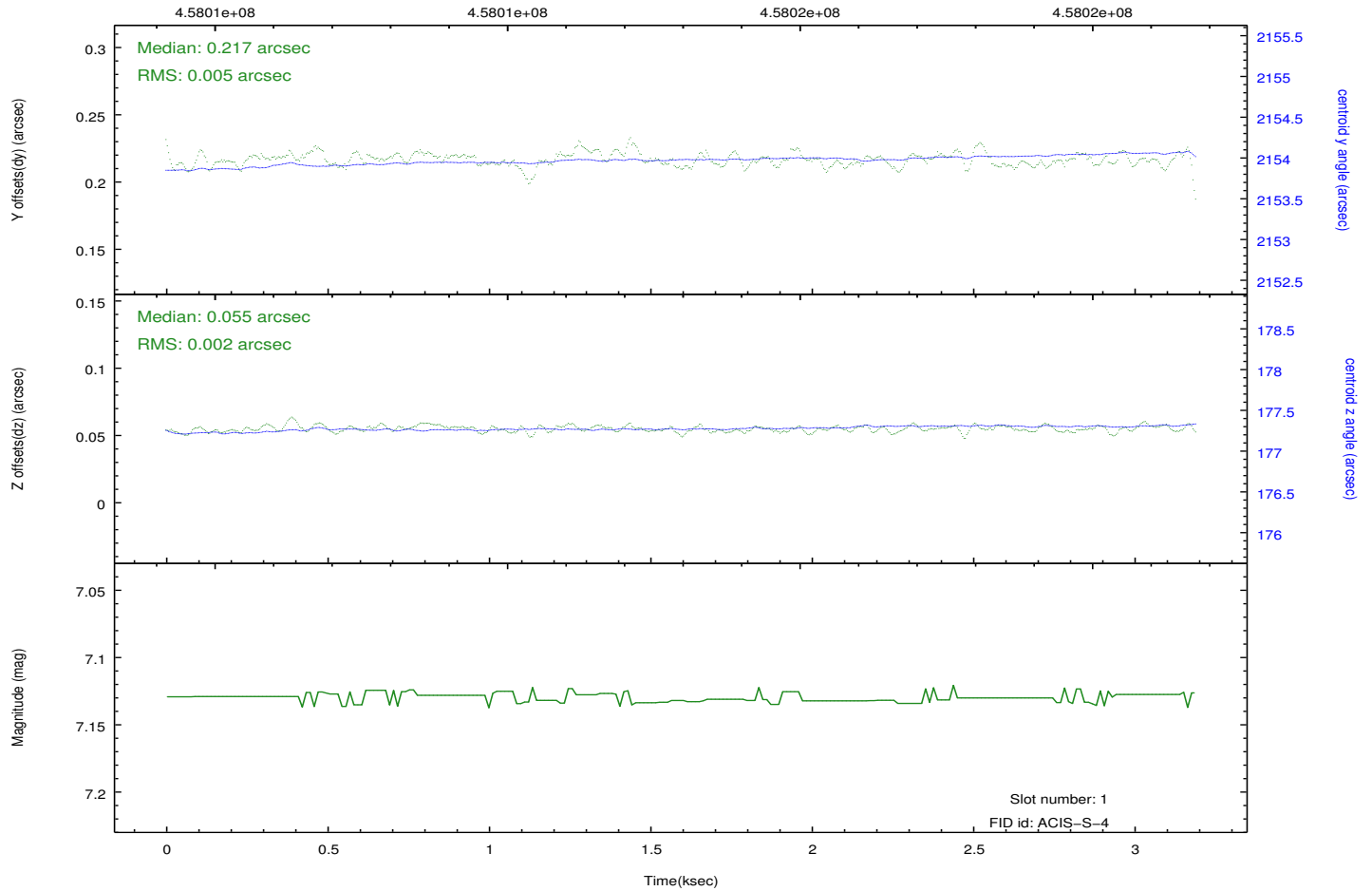
2.5.1 Slot 0



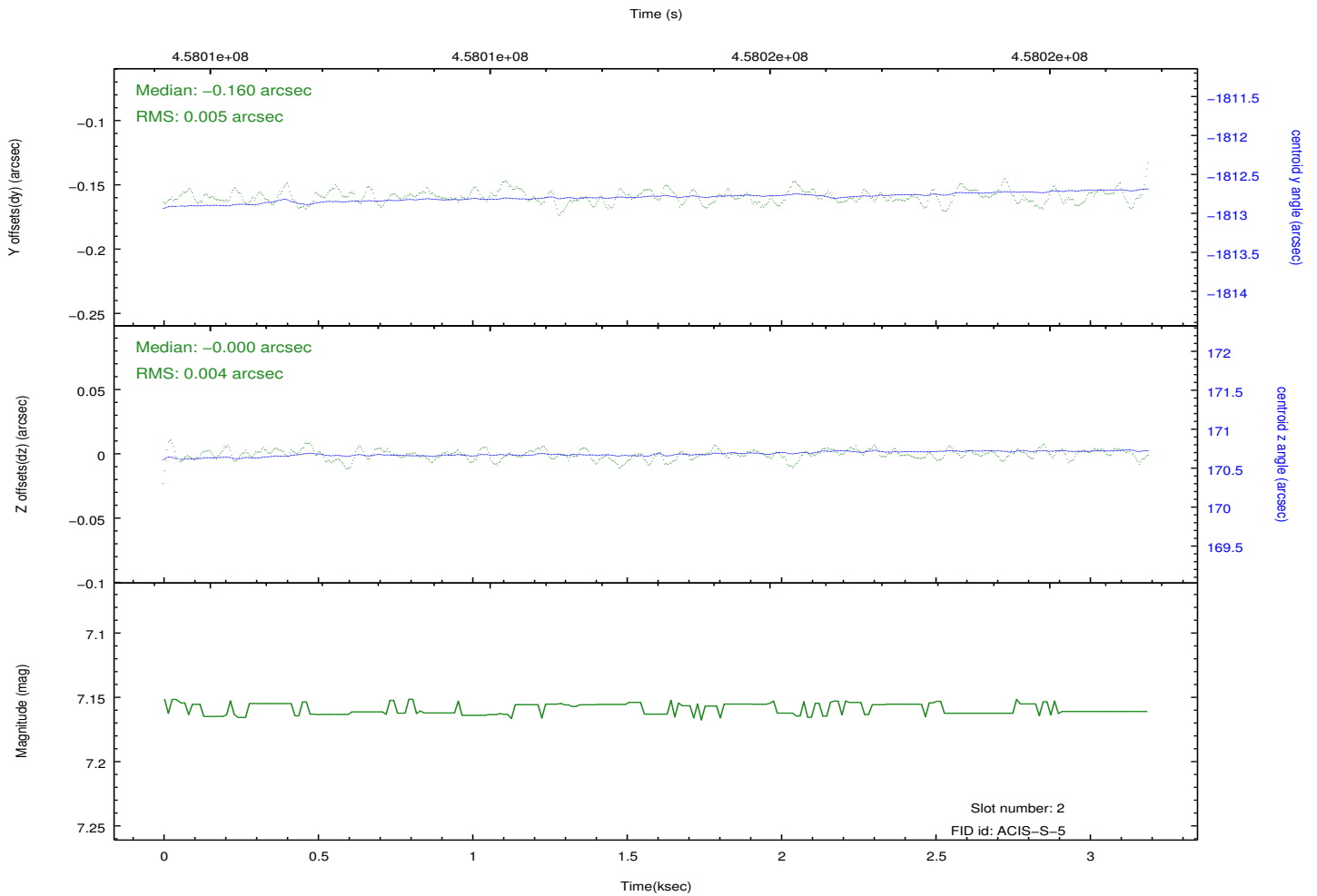
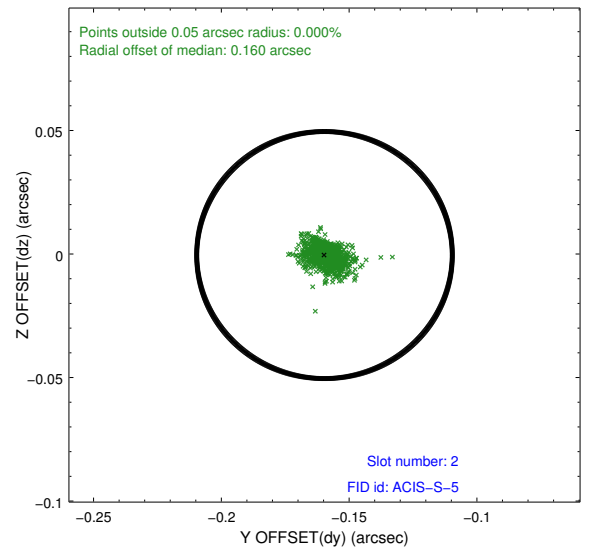
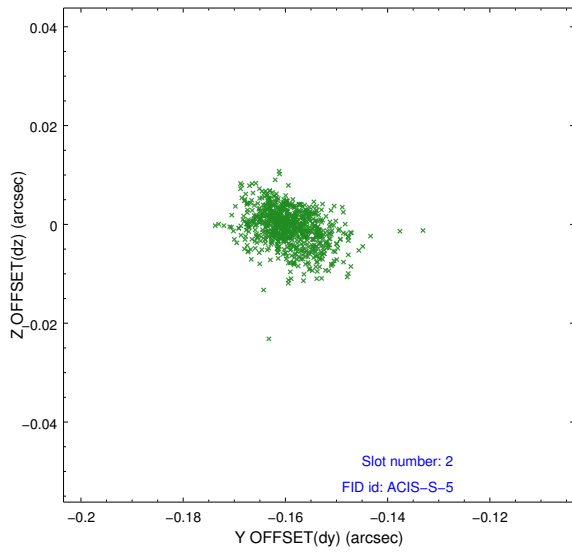
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0698850688338

A.2 Comments

Phase constraint met.