

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11518 - L2 Version 2
Chandra X-Ray Center

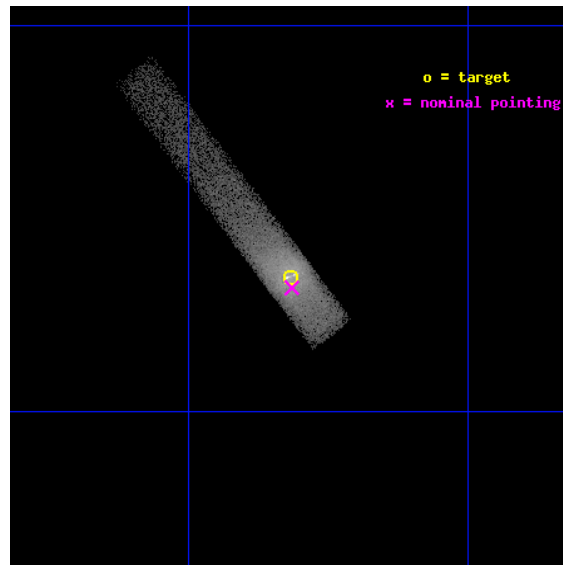
L2 Processing Date : Jun 25 2012

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1 Front

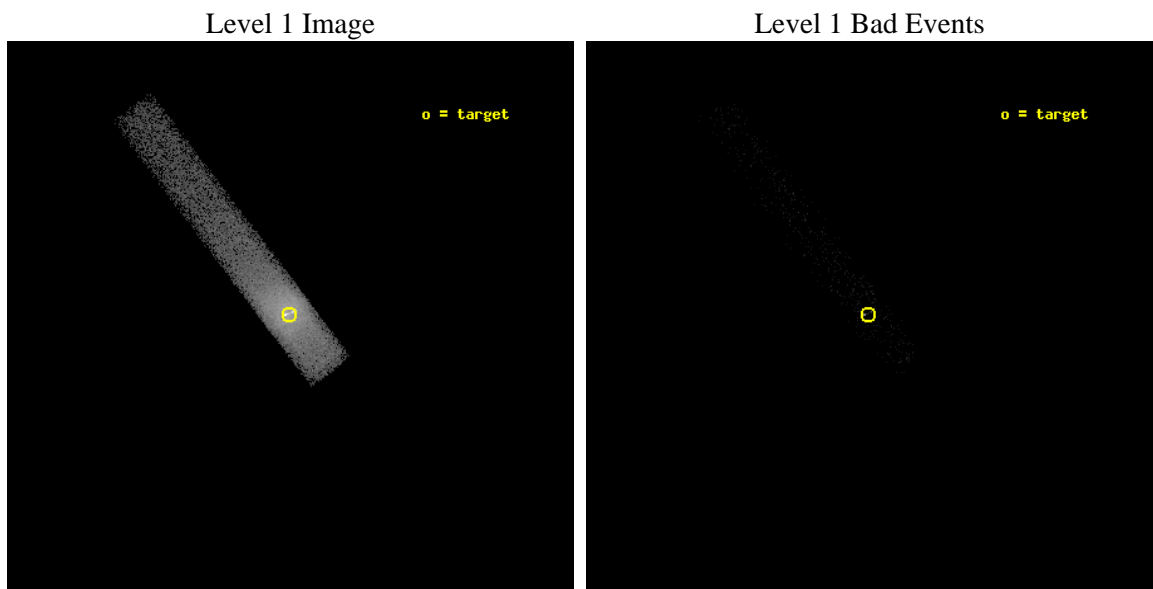
seq_num	702104	Sequence number
obs_id	11518	Observation id
title	The X-ray - TeV Connection in M87	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70377109599	Nominal RA [deg]
dec_nom	12.38681670694	Nominal Dec [deg]
roll_nom	232.70993451599	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4853.5997107029	Sum of GTIs [s]
liveltime	4401.9587436087	Livetime [s]
ontime7	4853.5997107029	Sum of GTIs [s]
l2events	44347	Number of level 2 events



2 OBI

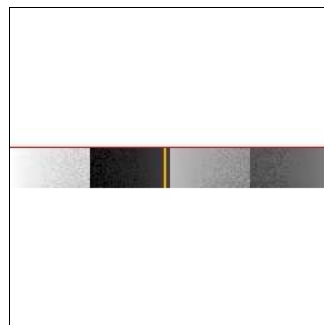
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.177000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4853.5997107029	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	4853.5997107029	Sum of GTIs [s]
date	2012-06-25T09:46:54	Date and time of file creation	l1events	48297	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

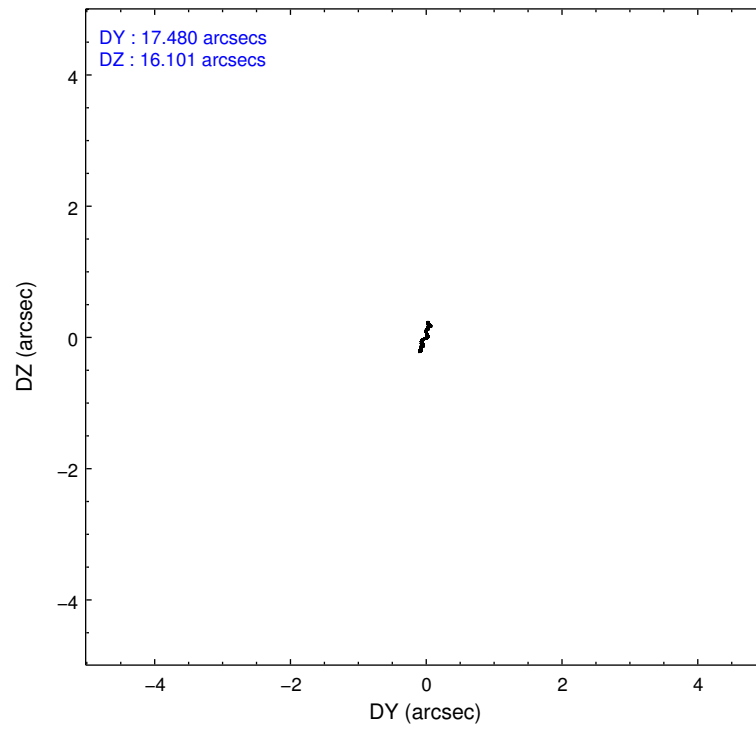
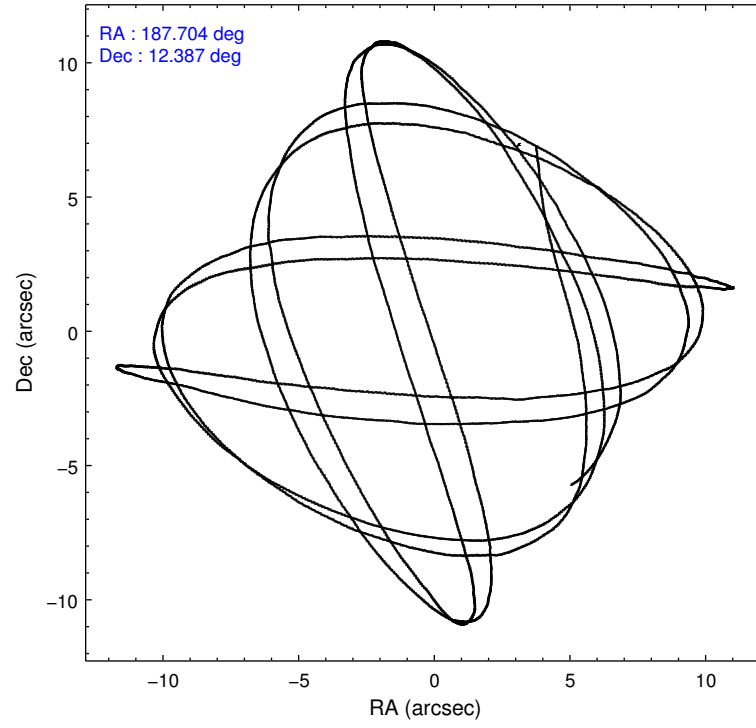
	ccd 7
level 1 events	48297
rejected events	3428
rejected %	7%

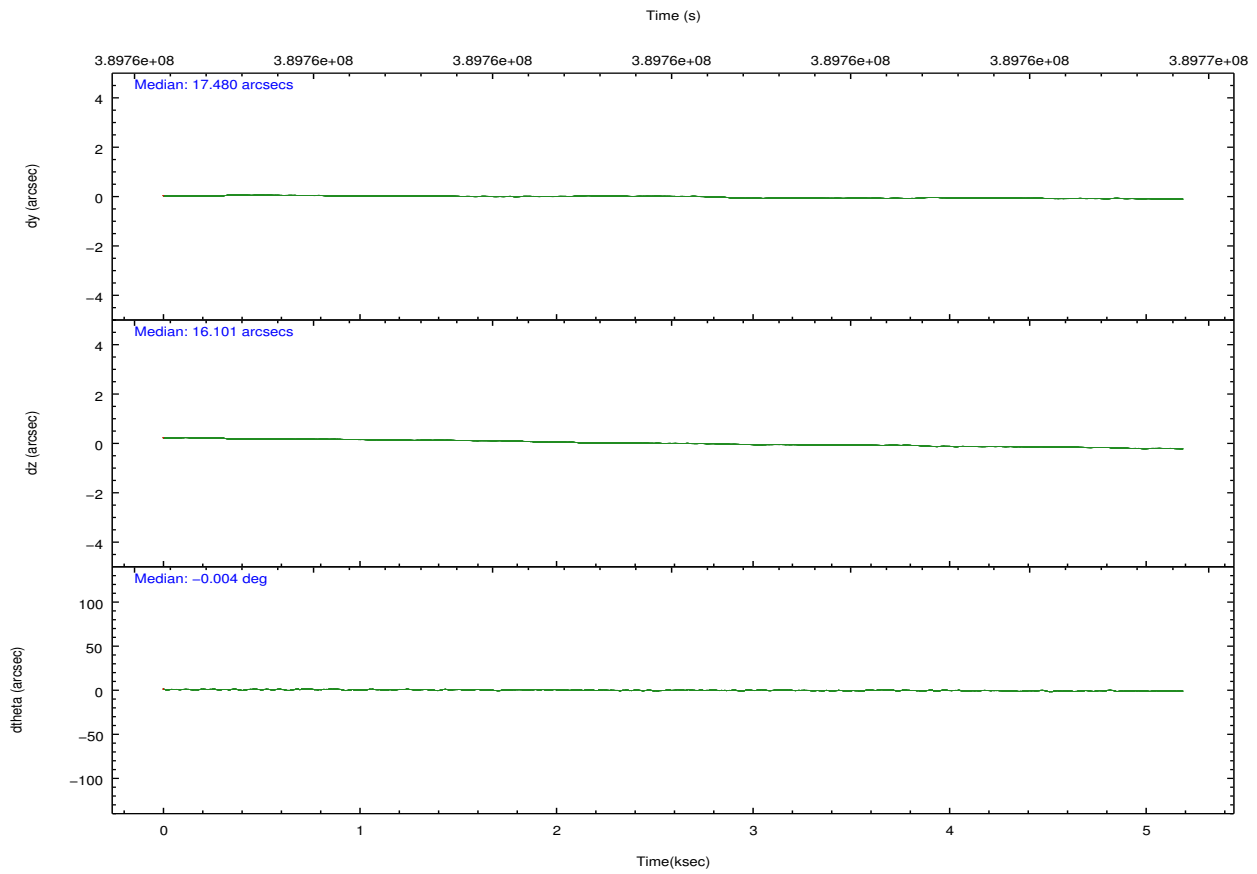
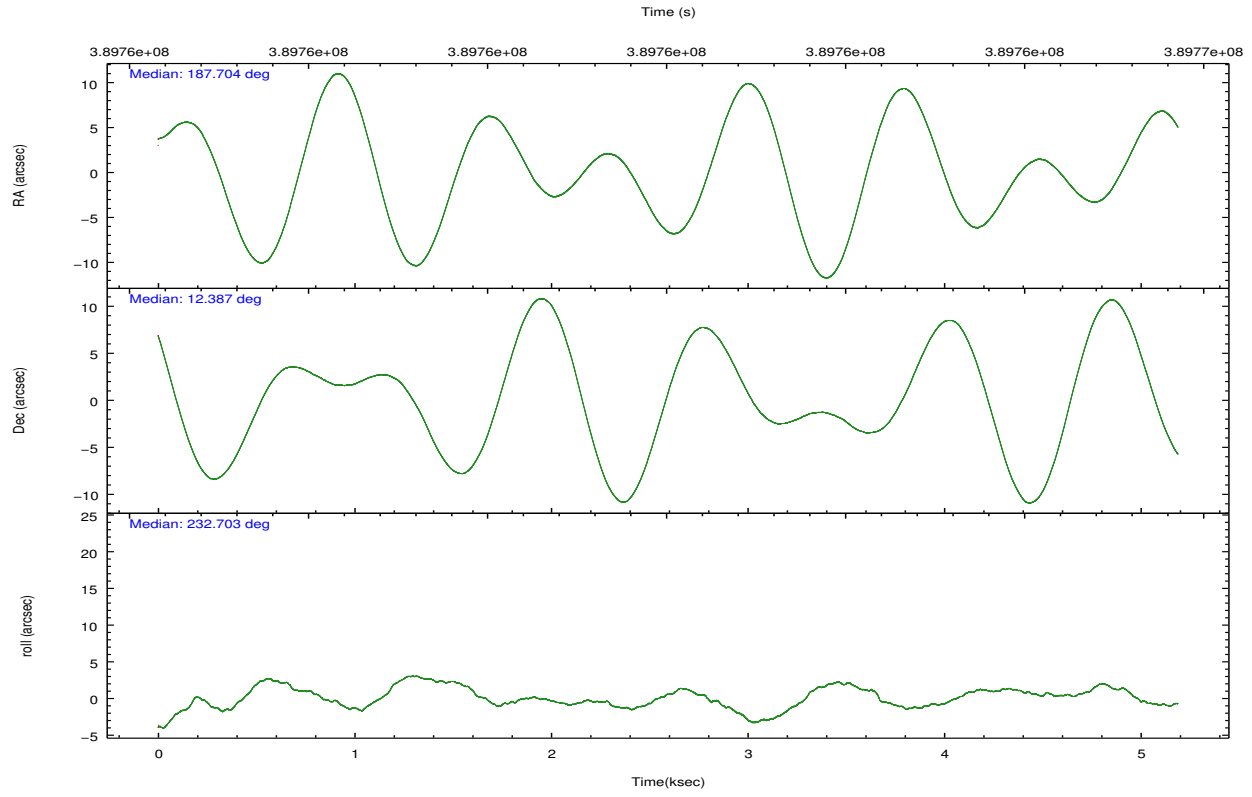
	ccd 7
grade 0 events	13607
	28%
grade 1 events	32
	0%
grade 2 events	11578
	23%
grade 3 events	5435
	11%
grade 4 events	5205
	10%
grade 5 events	915
	1%
grade 6 events	9048
	18%
grade 7 events	2477
	5%

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	187.706861	187.7037710959889	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.414006	12.38681670694017	Subarray start row	449	449
[deg] Pointing Roll	232.552636	232.7099345159899	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			
[s] Observation start time (MET)	389760603.184000	389759989.23569			
Observation start date	2010-05-09T02:48:57	2010-05-09T02:39:49			
[s] Observation end time (MET)	389765603.184000	389765822.51098			
Observation end date	2010-05-09T04:12:17	2010-05-09T04:17:02			
Read mode	TIMED	TIMED			

2.3 Aspect



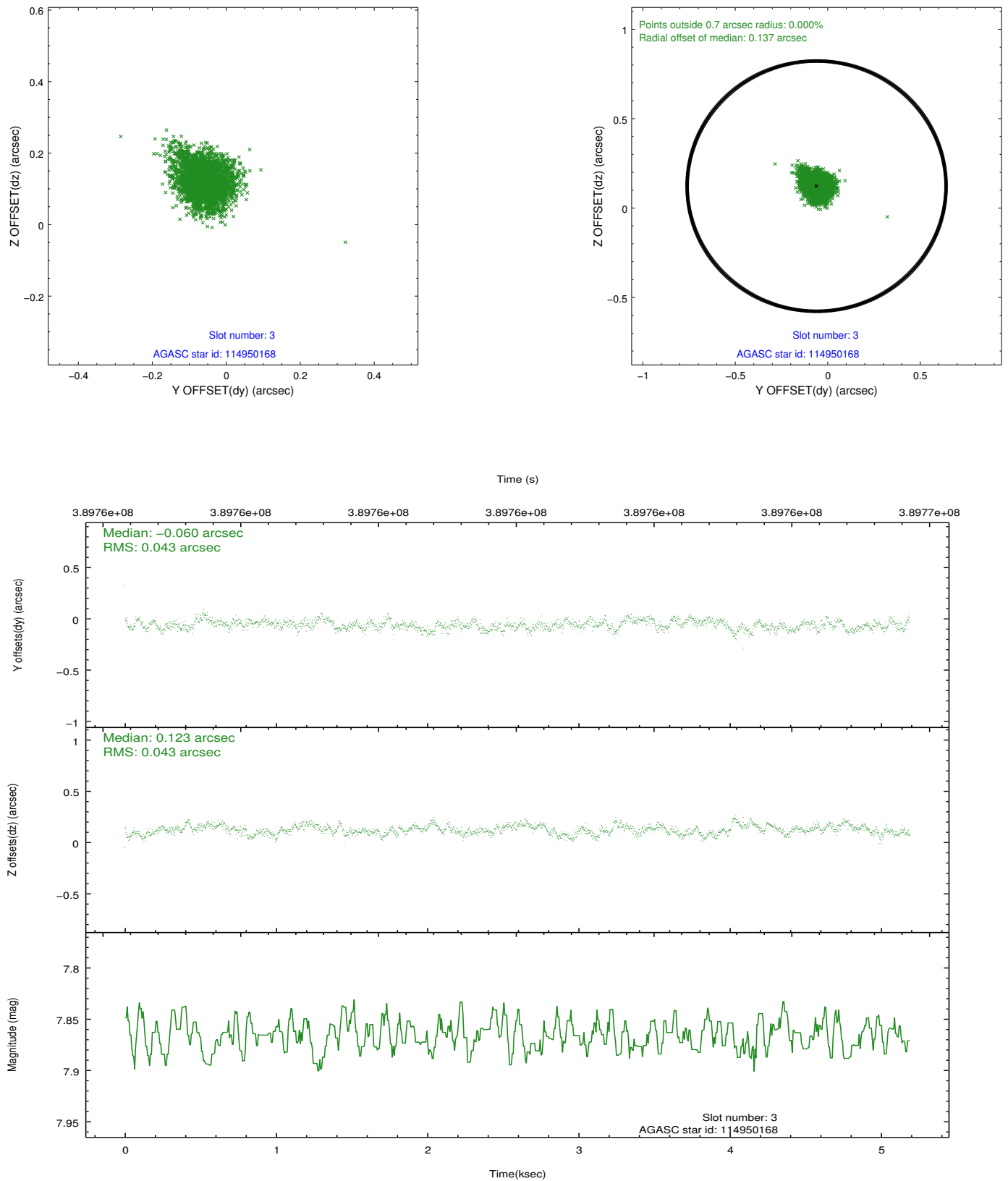


Slot Statistics

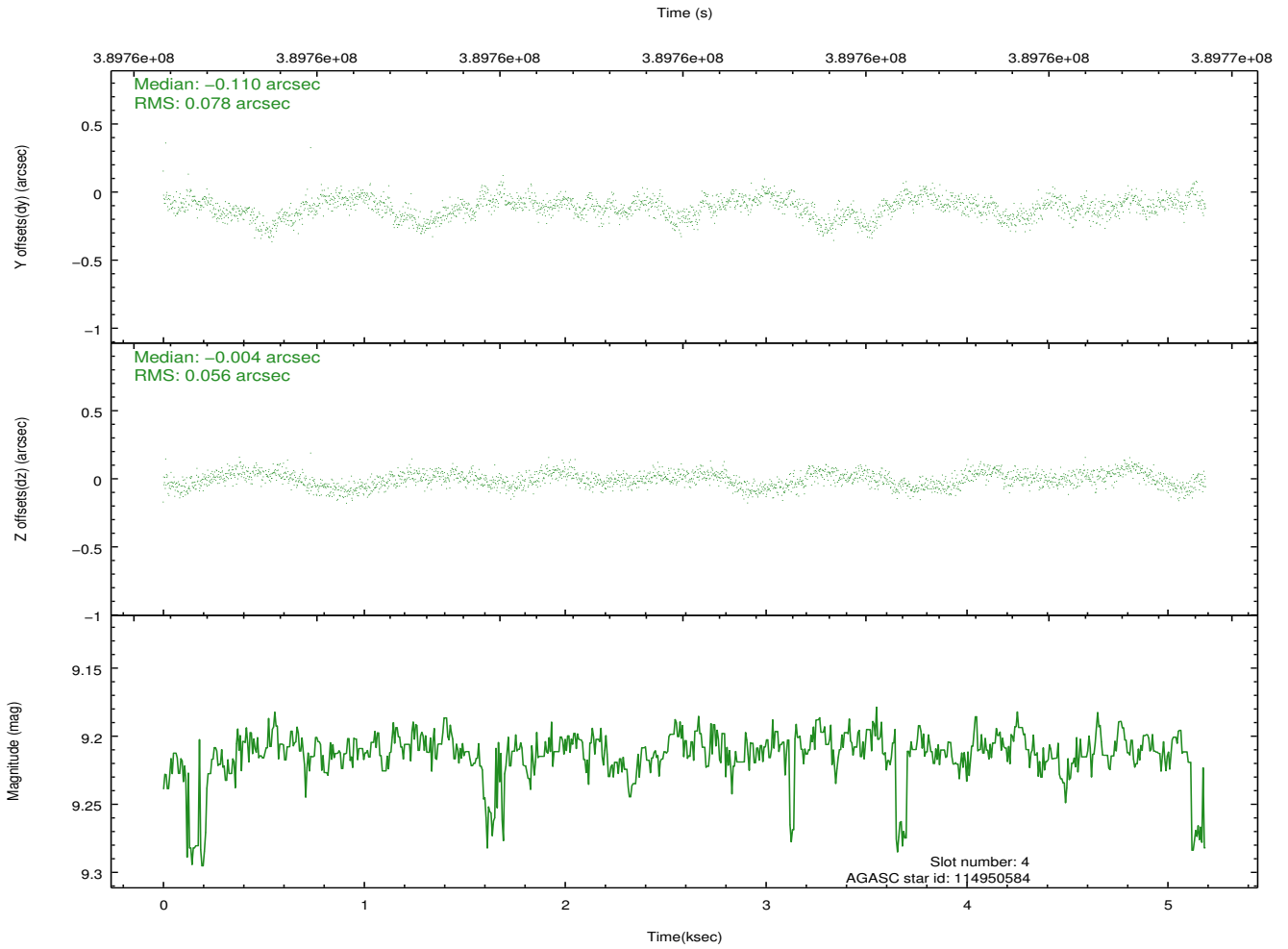
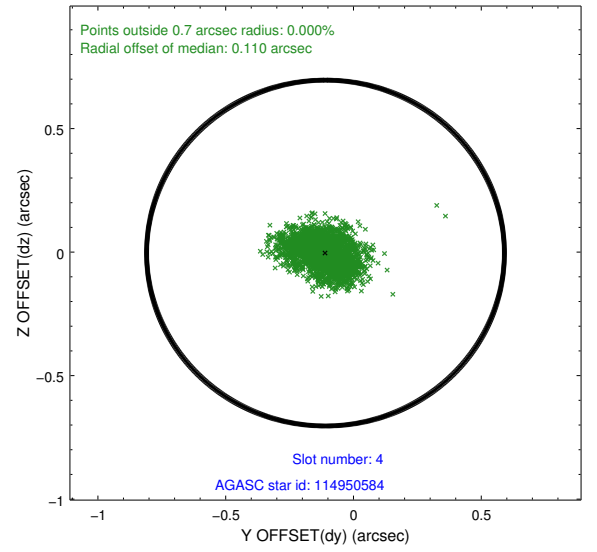
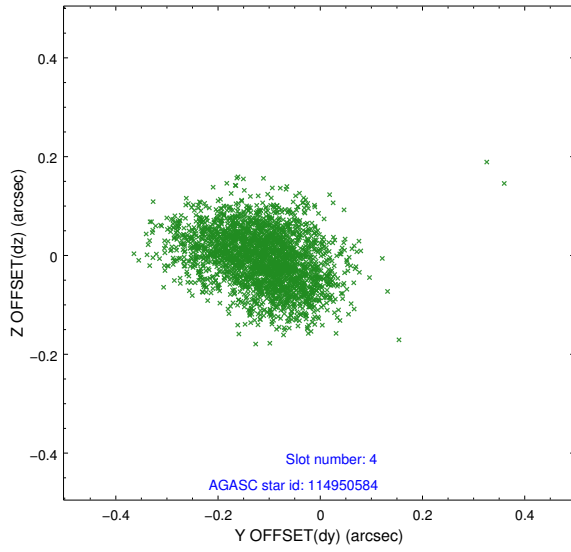
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	1266	-0.086	-0.022	0.008	0.013	0.000000	0.000000	-770.58	-1737.49
1	FID	ACIS-S-4	6.97	1266	0.207	0.047	0.006	0.010	0.000000	0.000000	2142.45	169.85
2	FID	ACIS-S-5	7.00	1265	-0.152	-0.017	0.007	0.014	0.000000	0.000000	-1822.00	164.79
3	GUIDE	114950168	7.87	2532	-0.060	0.123	0.065	0.102	187.143398	12.117441	2052.56	-926.42
4	GUIDE	114950584	9.21	2522	-0.110	-0.004	0.102	0.166	187.487323	11.827248	2148.50	669.45
5	GUIDE	114952824	8.58	2530	-0.018	0.223	0.077	0.121	187.703904	12.486727	-199.87	-167.50
6	GUIDE	114954440	9.19	2529	0.079	-0.048	0.138	0.232	186.915066	12.219118	2248.03	-1786.91
7	GUIDE	114955056	8.31	2531	0.115	-0.299	0.079	0.125	187.914001	12.127854	375.76	1203.68

2.4 Star Slots

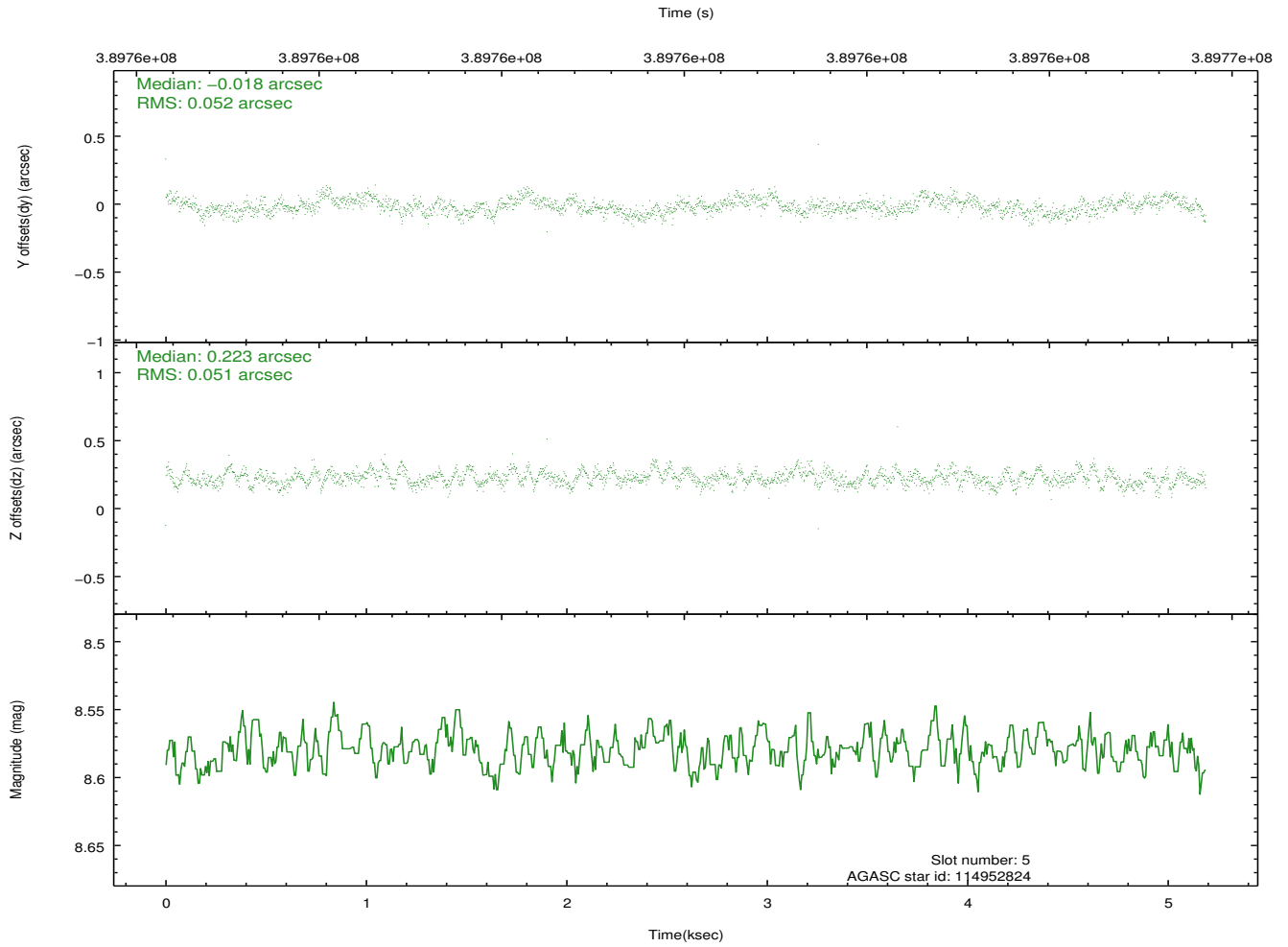
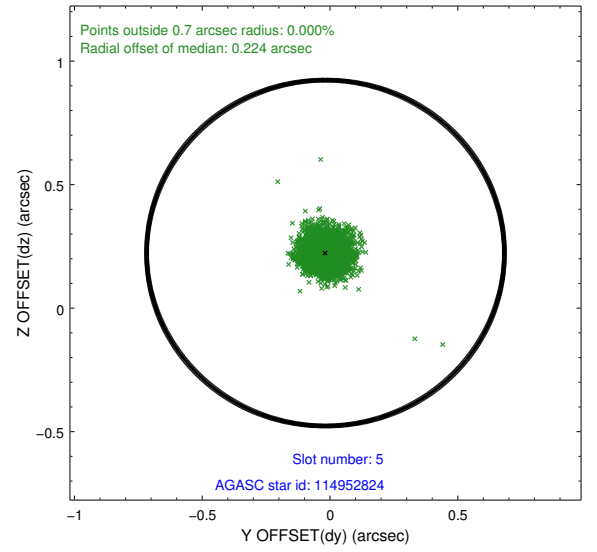
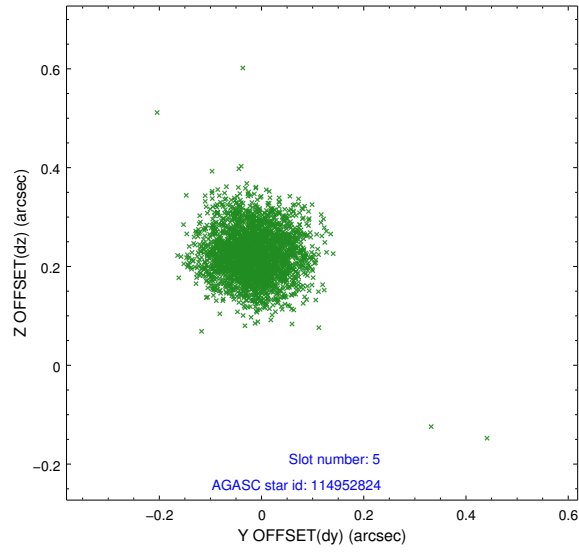
2.4.1 Slot 3



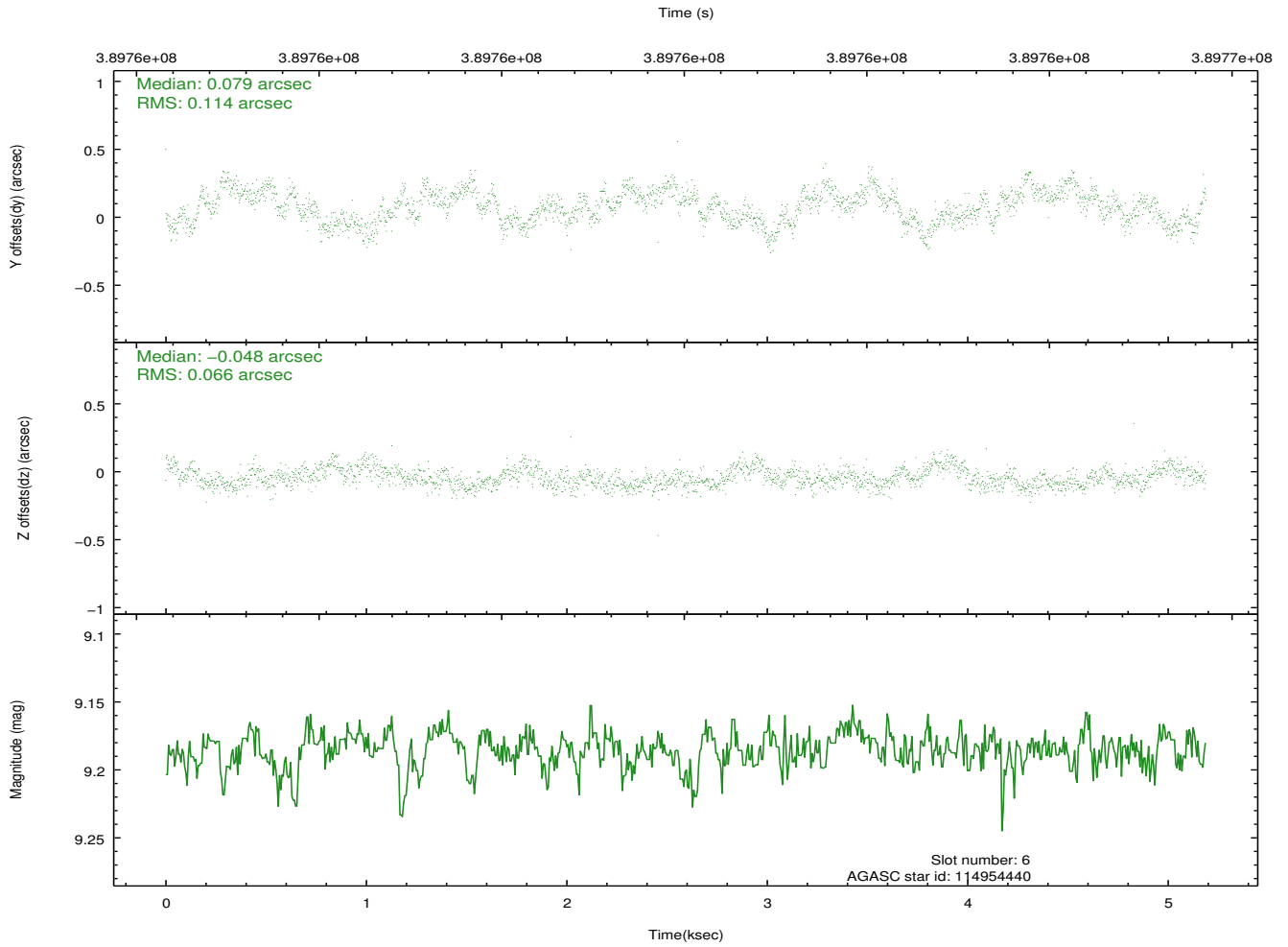
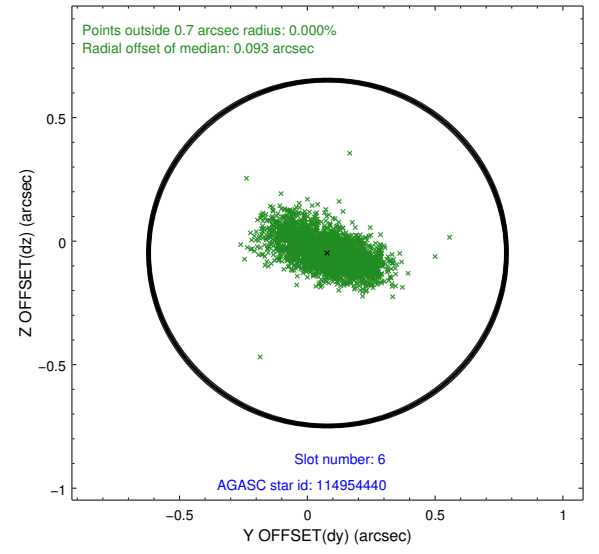
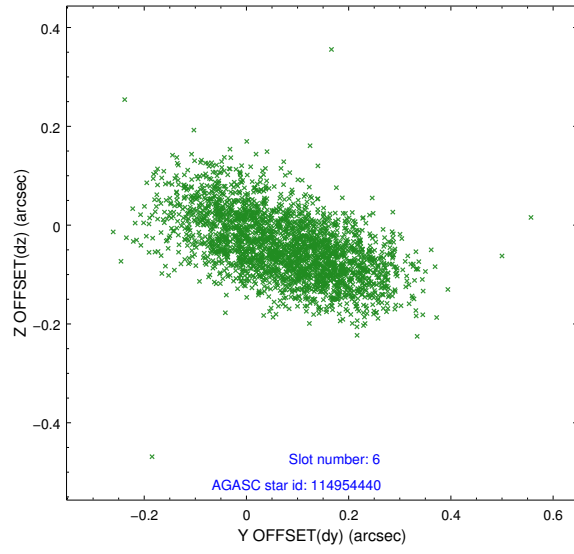
2.4.2 Slot 4



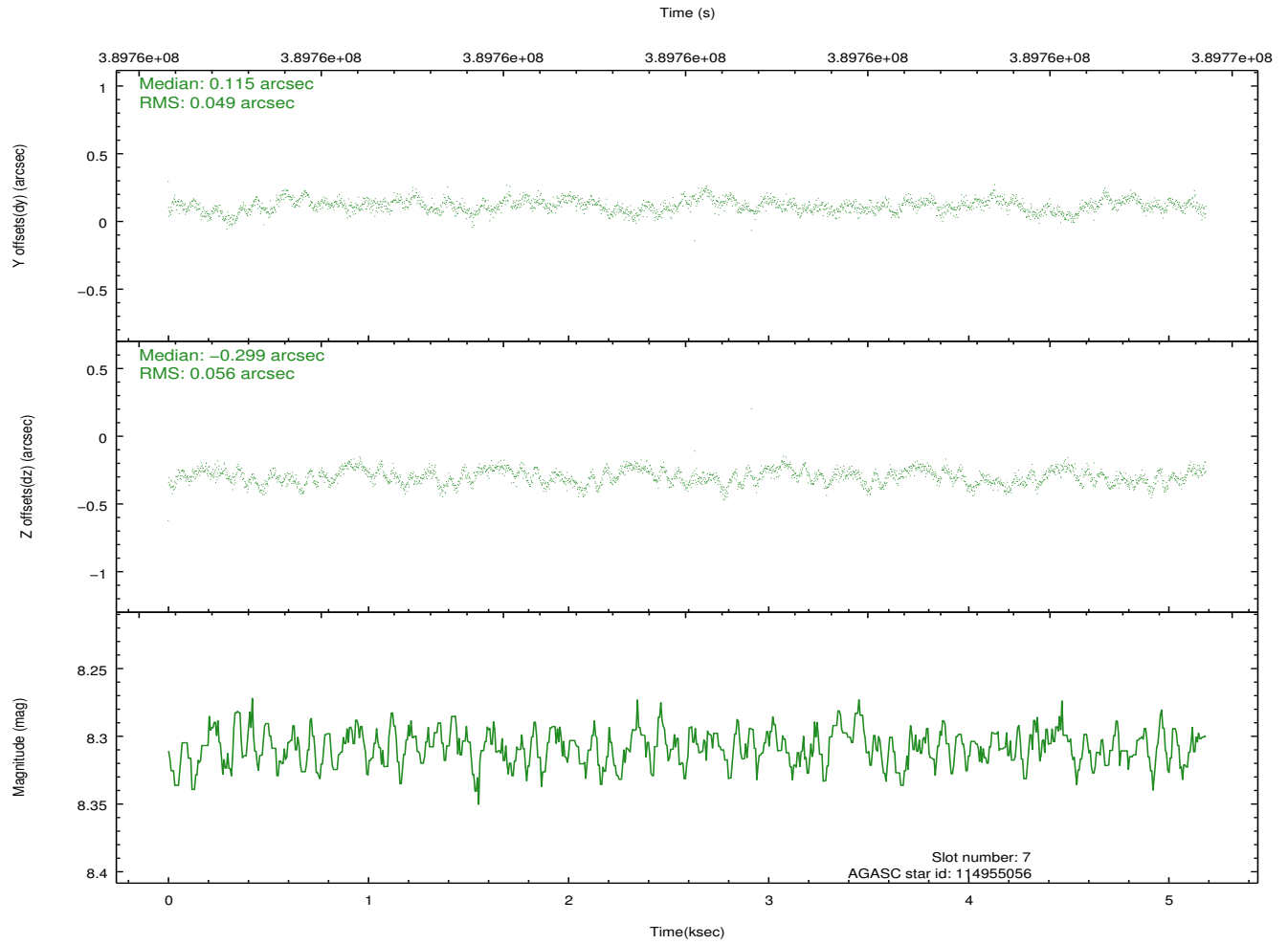
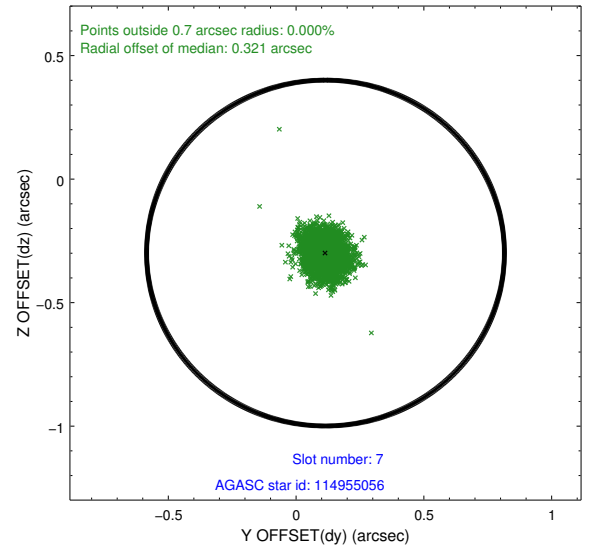
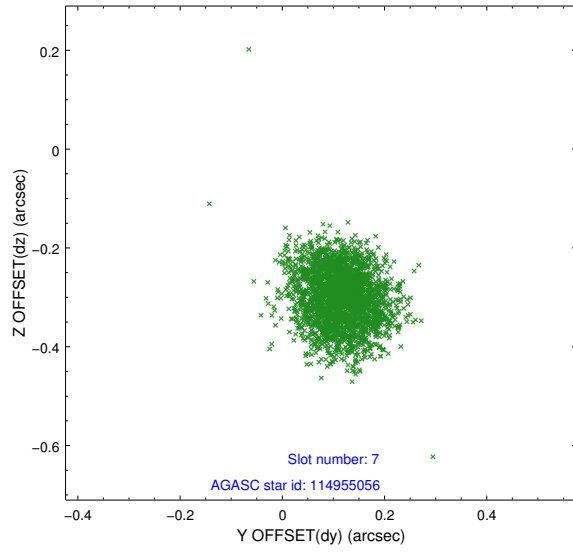
2.4.3 Slot 5



2.4.4 Slot 6

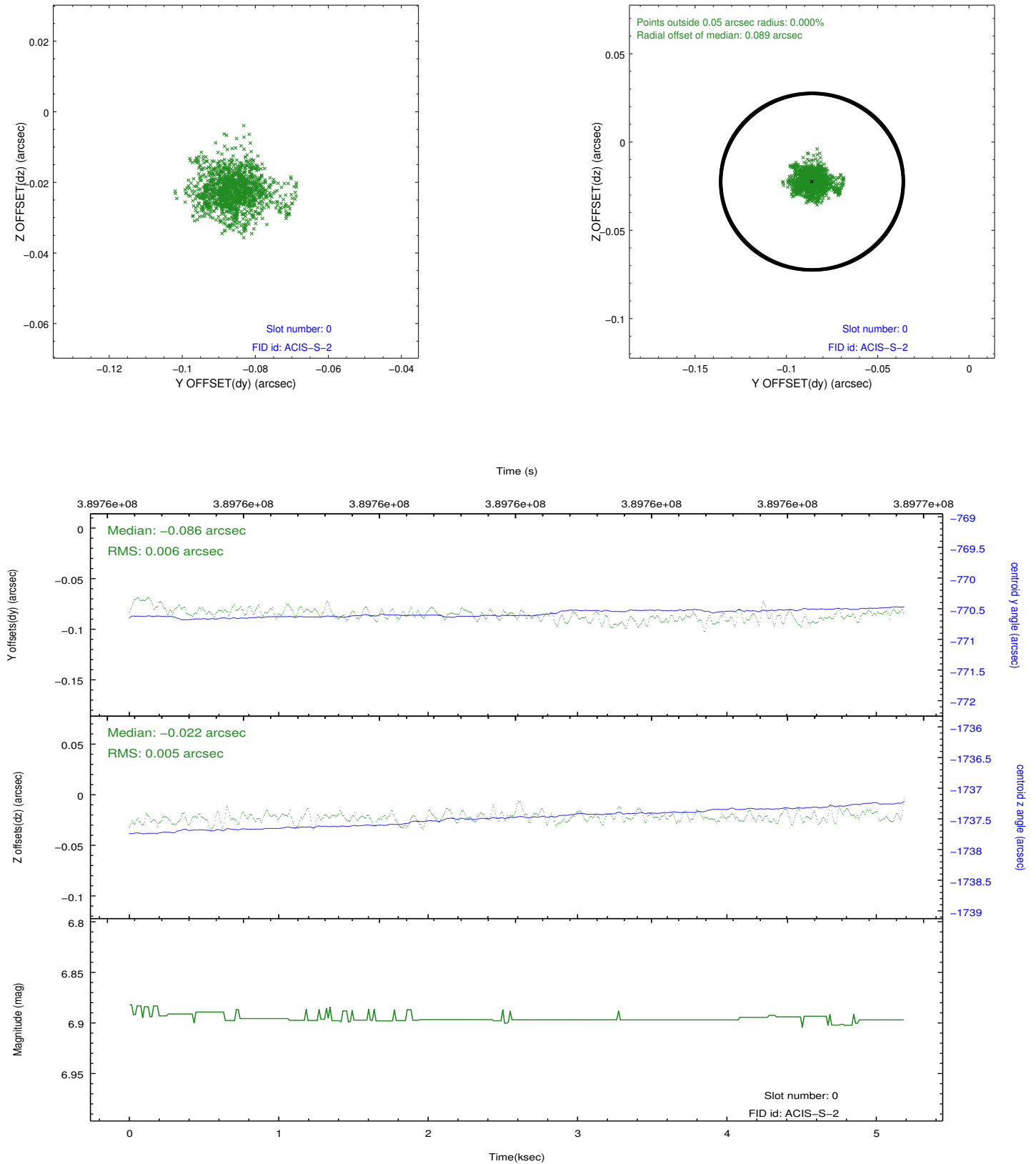


2.4.5 Slot 7

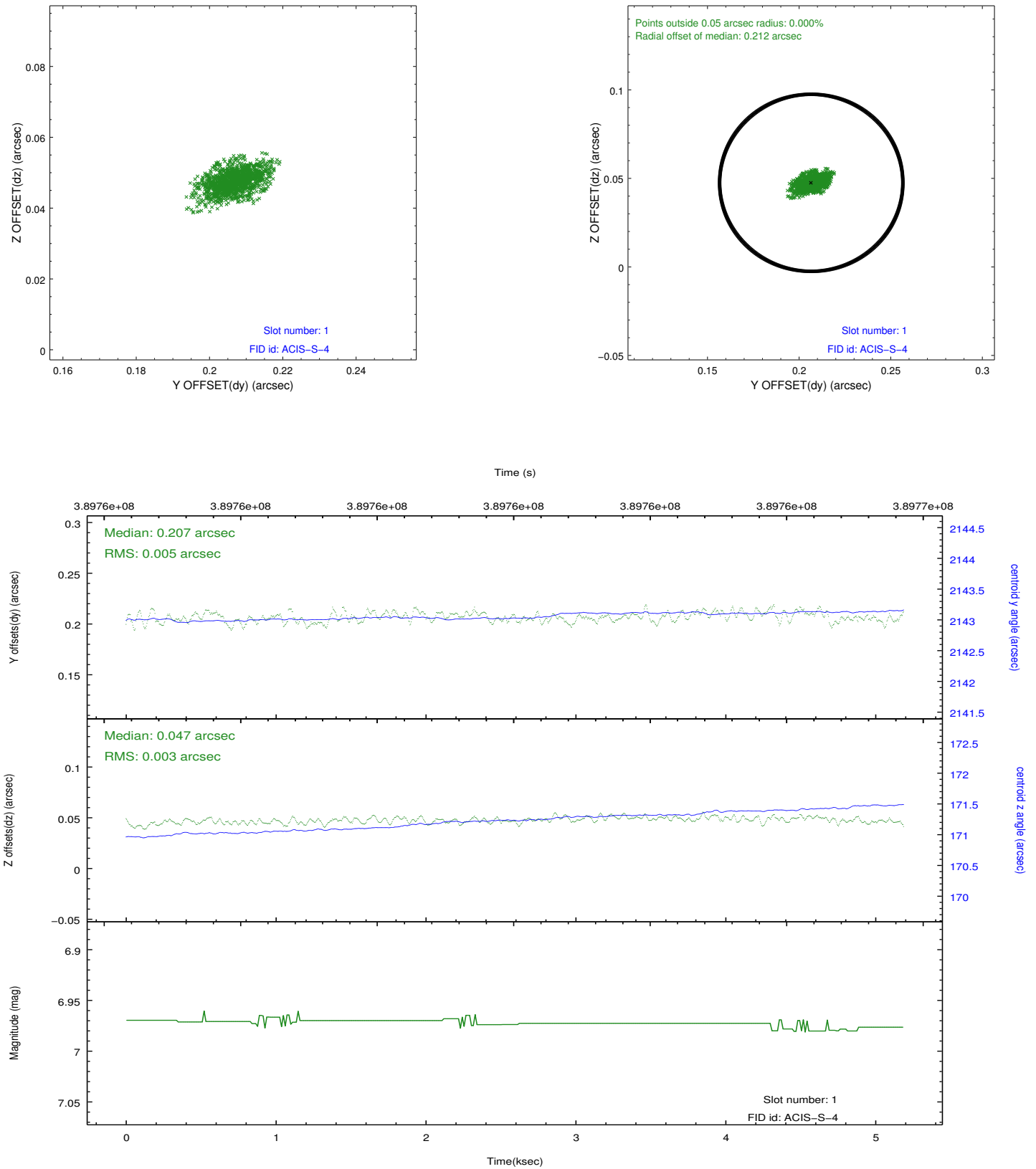


2.5 FID Slots

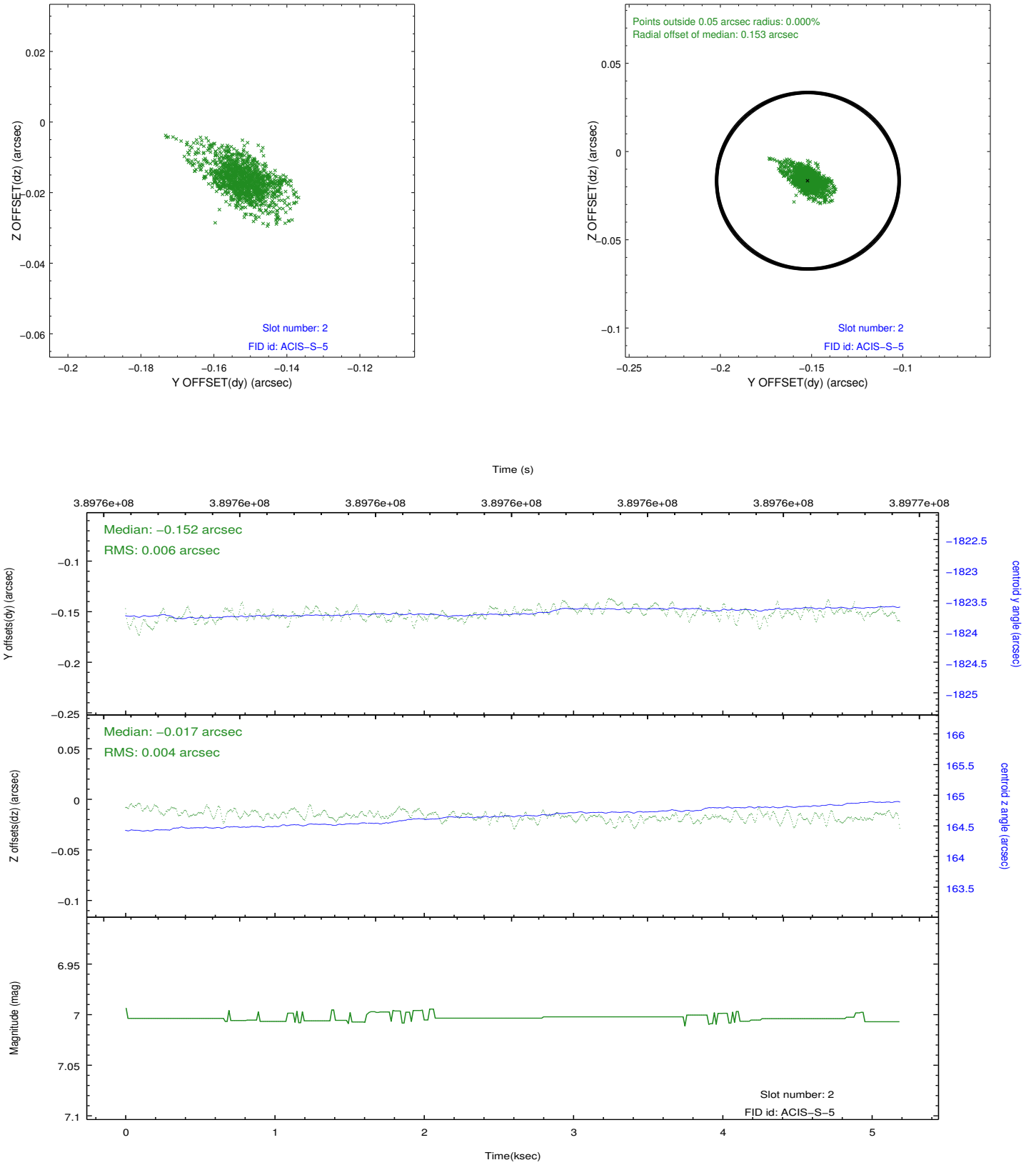
2.5.1 Slot 0



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)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8535997107029

A.2 Comments

Monitor constraint met, follows obs11517 by four days.