

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11517 - L2 Version 2
Chandra X-Ray Center

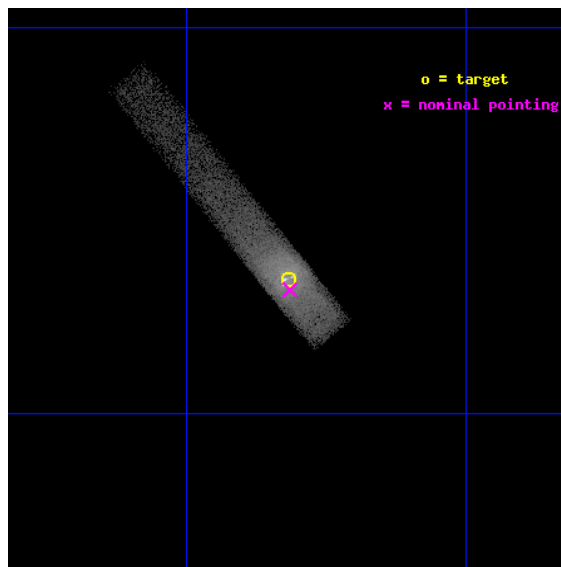
L2 Processing Date : Jun 25 2012

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1 Front

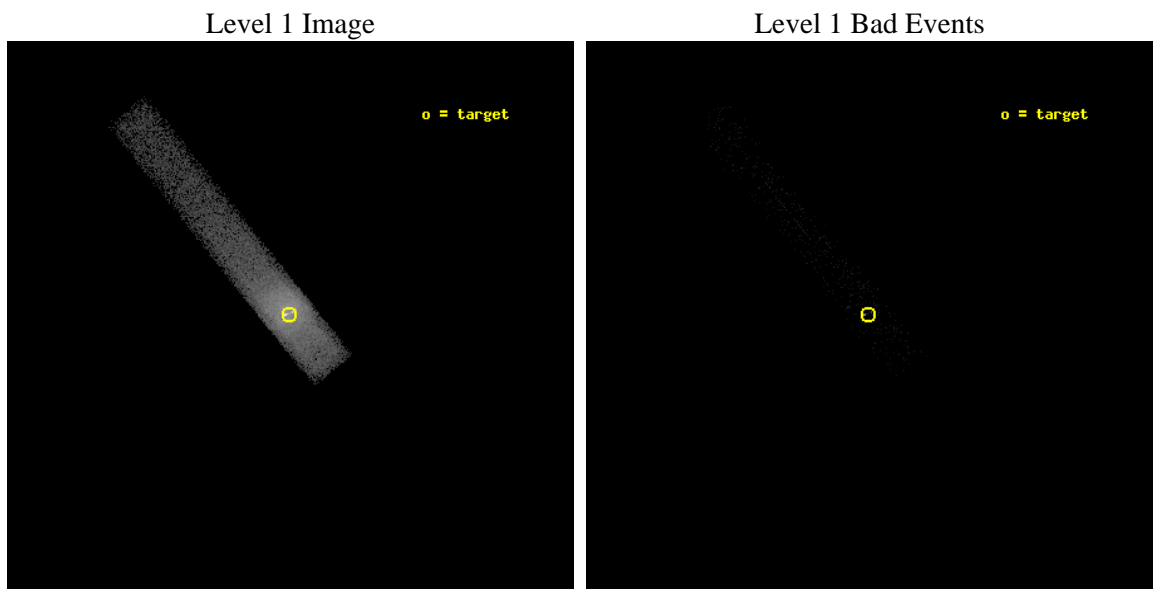
seq_num	702103	Sequence number
obs_id	11517	Observation id
title	The X-ray - TeV Connection in M87	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70366934902	Nominal RA [deg]
dec_nom	12.386821079455	Nominal Dec [deg]
roll_nom	231.20229358424	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5185.9996908903	Sum of GTIs [s]
liveltime	4703.4279801291	Livetime [s]
ontime7	5185.9996908903	Sum of GTIs [s]
l2events	47627	Number of level 2 events



2 OBI

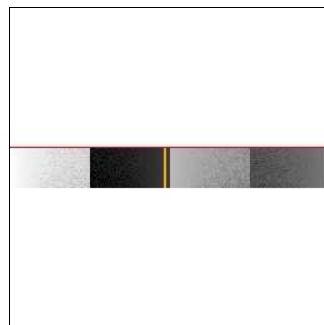
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5185.9996908903	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	5185.9996908903	Sum of GTIs [s]
date	2012-06-25T09:40:39	Date and time of file creation	l1events	54790	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

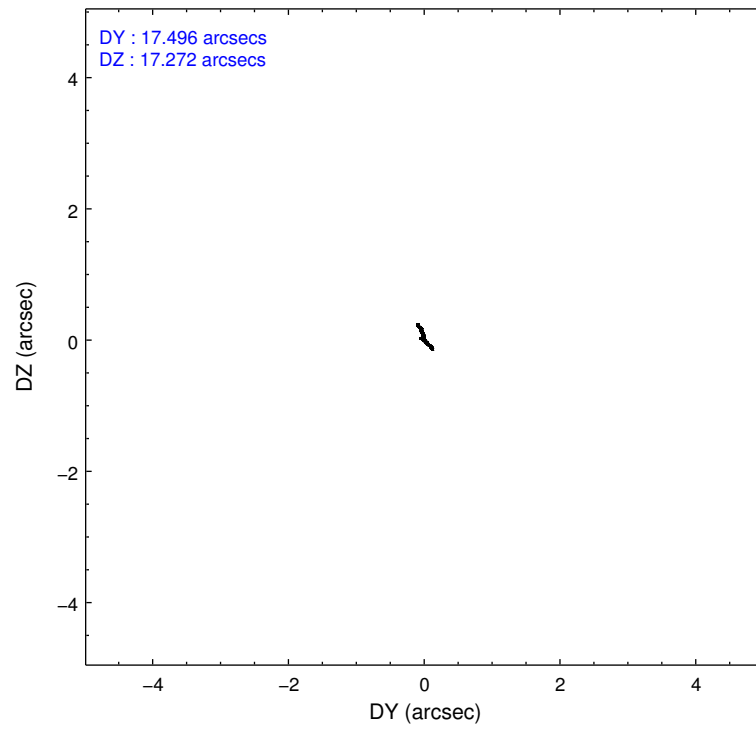
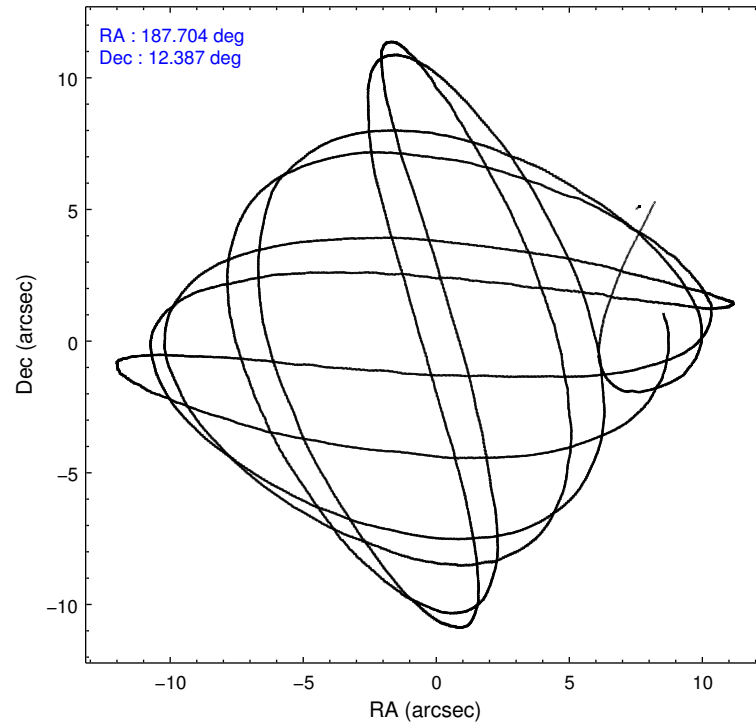
	ccd 7
level 1 events	54790
rejected events	6622
rejected %	12%

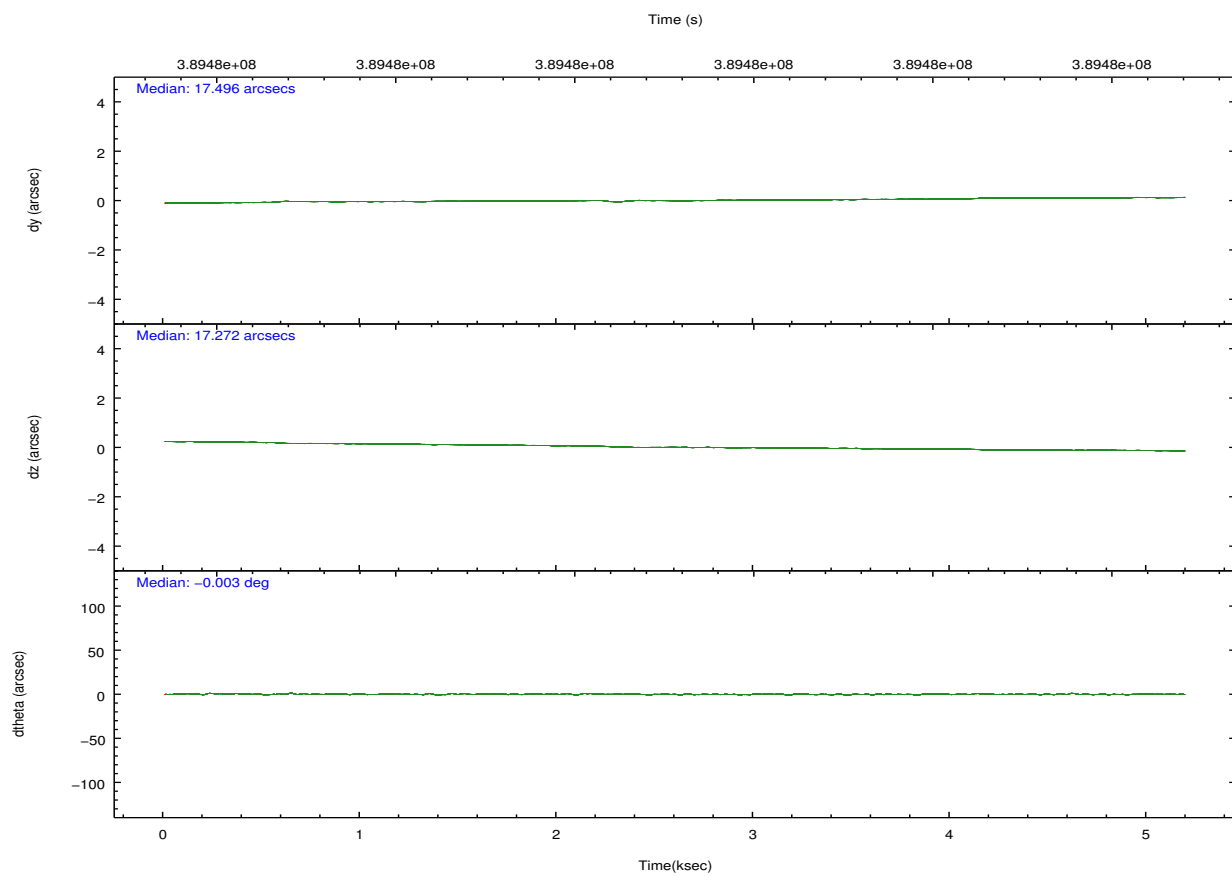
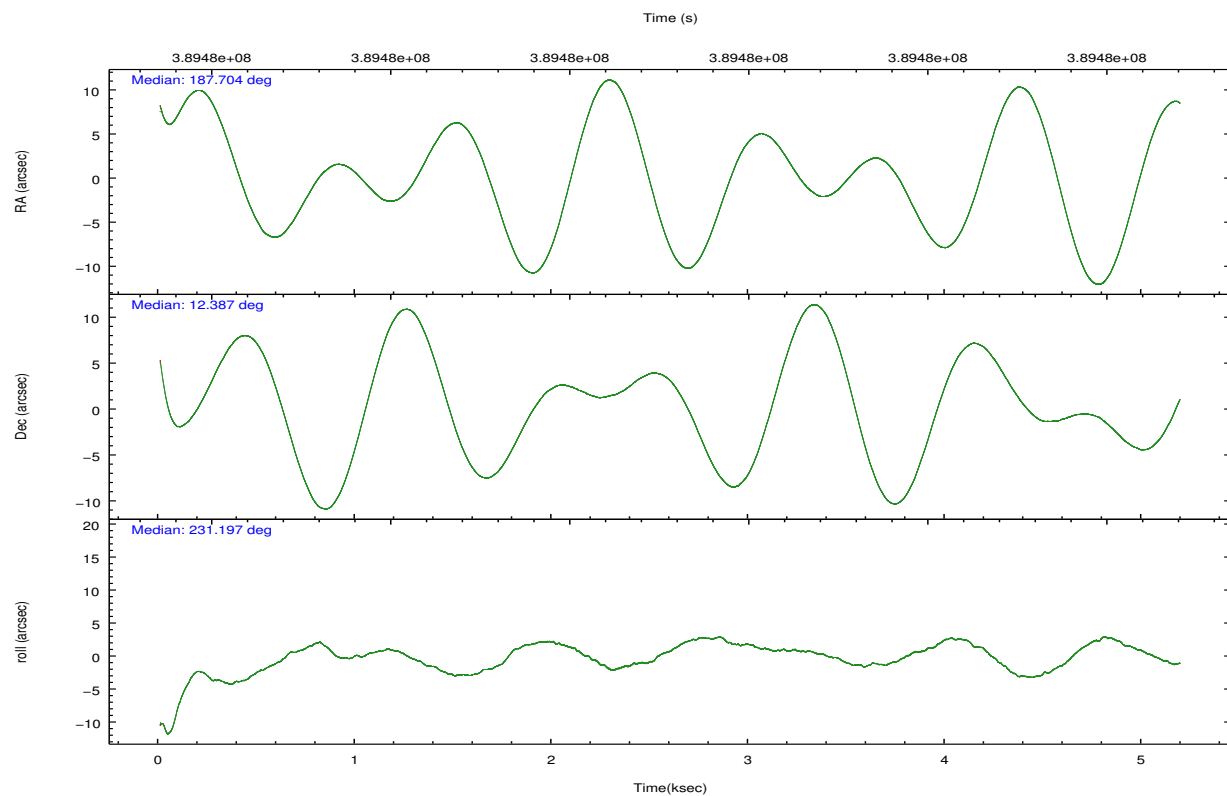
	ccd 7
grade 0 events	14846
	27%
grade 1 events	56
	0%
grade 2 events	13140
	23%
grade 3 events	6044
	11%
grade 4 events	5925
	10%
grade 5 events	1156
	2%
grade 6 events	10432
	19%
grade 7 events	3191
	5%

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	187.707459	187.7036693490207	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.413929	12.38682107945456	Subarray start row	449	449
[deg] Pointing Roll	231.044861	231.2022935842362	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	389476168.184000	389474721.47117			
Observation start date	2010-05-05T19:48:22	2010-05-05T19:25:21			
[s] Observation end time (MET)	389481168.184000	389481617.67152			
Observation end date	2010-05-05T21:11:42	2010-05-05T21:20:17			
Read mode	TIMED	TIMED			

2.3 Aspect



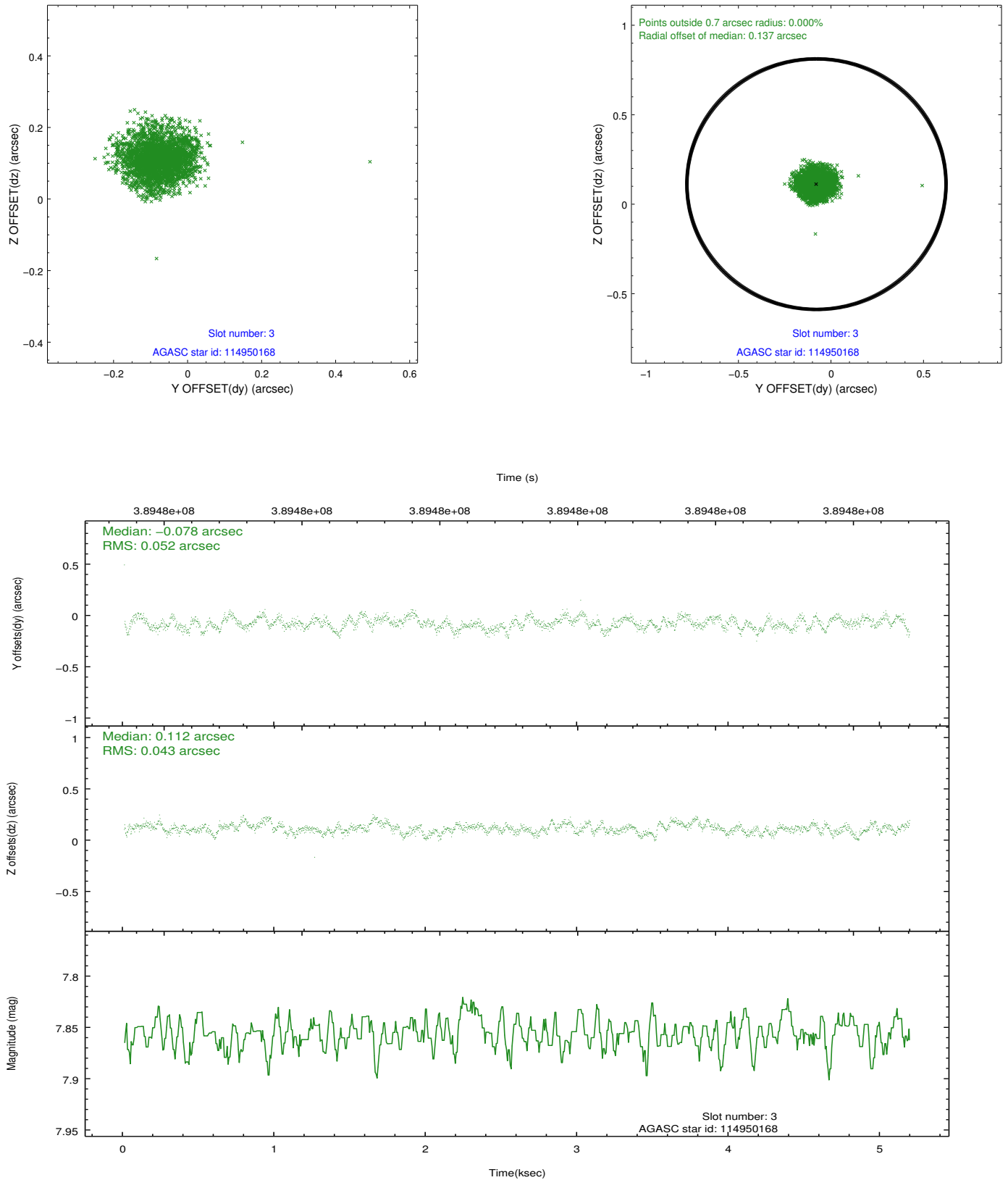


Slot Statistics

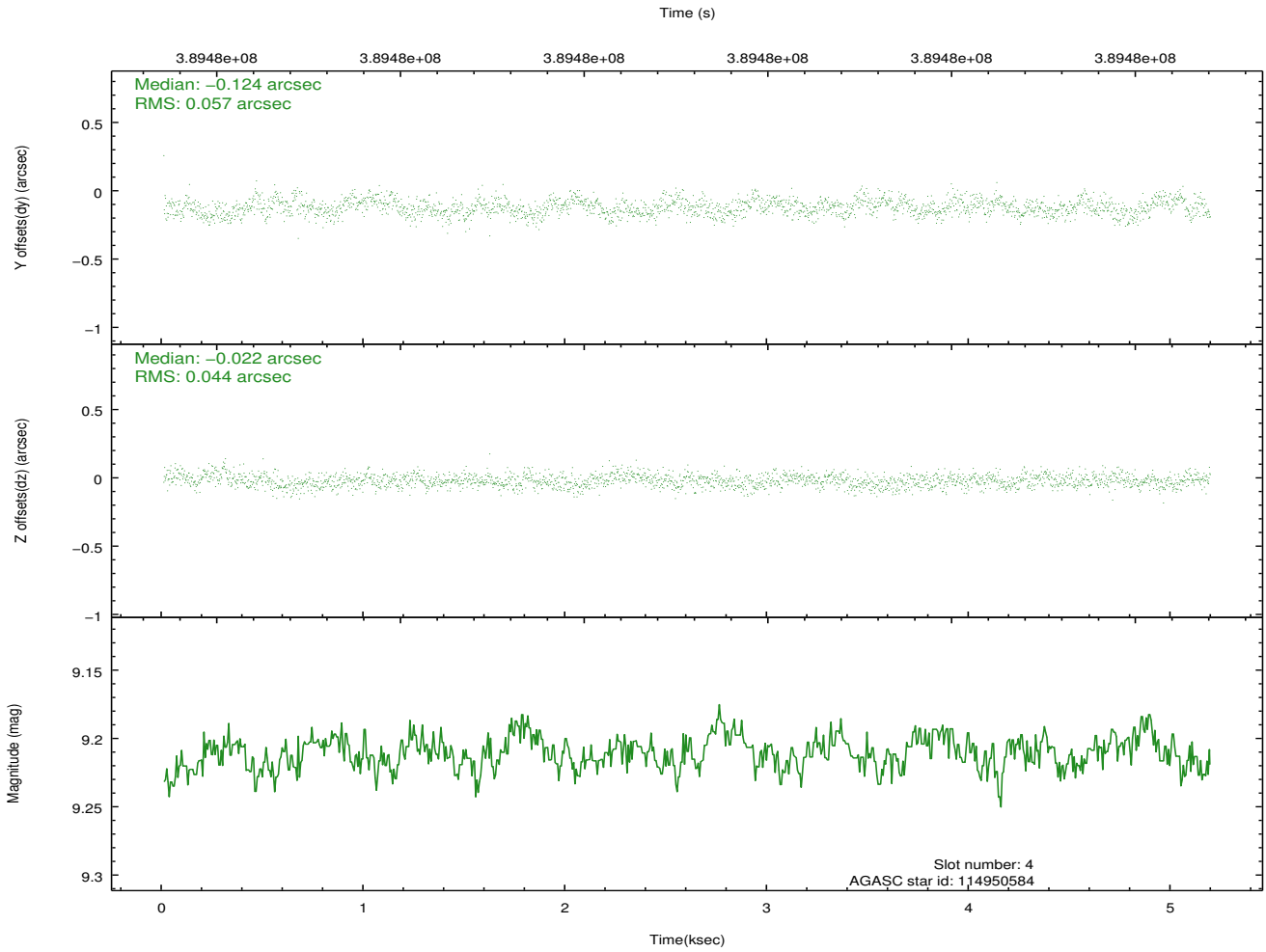
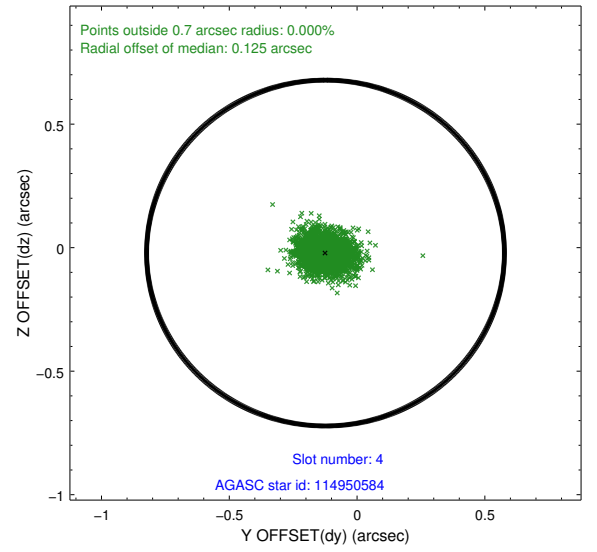
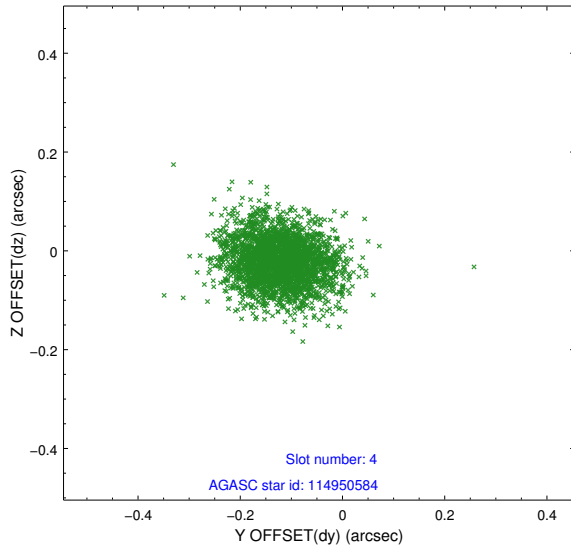
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	1266	-0.057	-0.045	0.007	0.012	0.000000	0.000000	-770.64	-1738.77
1	FID	ACIS-S-4	6.98	1266	0.193	0.040	0.007	0.012	0.000000	0.000000	2142.39	168.53
2	FID	ACIS-S-5	7.02	1266	-0.166	0.014	0.007	0.011	0.000000	0.000000	-1822.06	163.58
3	GUIDE	114950168	7.86	2530	-0.078	0.112	0.073	0.113	187.143398	12.117441	2077.33	-874.00
4	GUIDE	114950584	9.21	2530	-0.124	-0.022	0.076	0.125	187.487323	11.827248	2131.30	723.84
5	GUIDE	114952824	8.59	2530	0.009	0.245	0.087	0.133	187.703904	12.486727	-194.22	-174.54
6	GUIDE	114954440	9.20	2525	0.078	-0.022	0.123	0.198	186.915066	12.219118	2295.36	-1729.03
7	GUIDE	114955056	8.31	2529	0.114	-0.313	0.098	0.150	187.914001	12.127854	345.12	1211.26

2.4 Star Slots

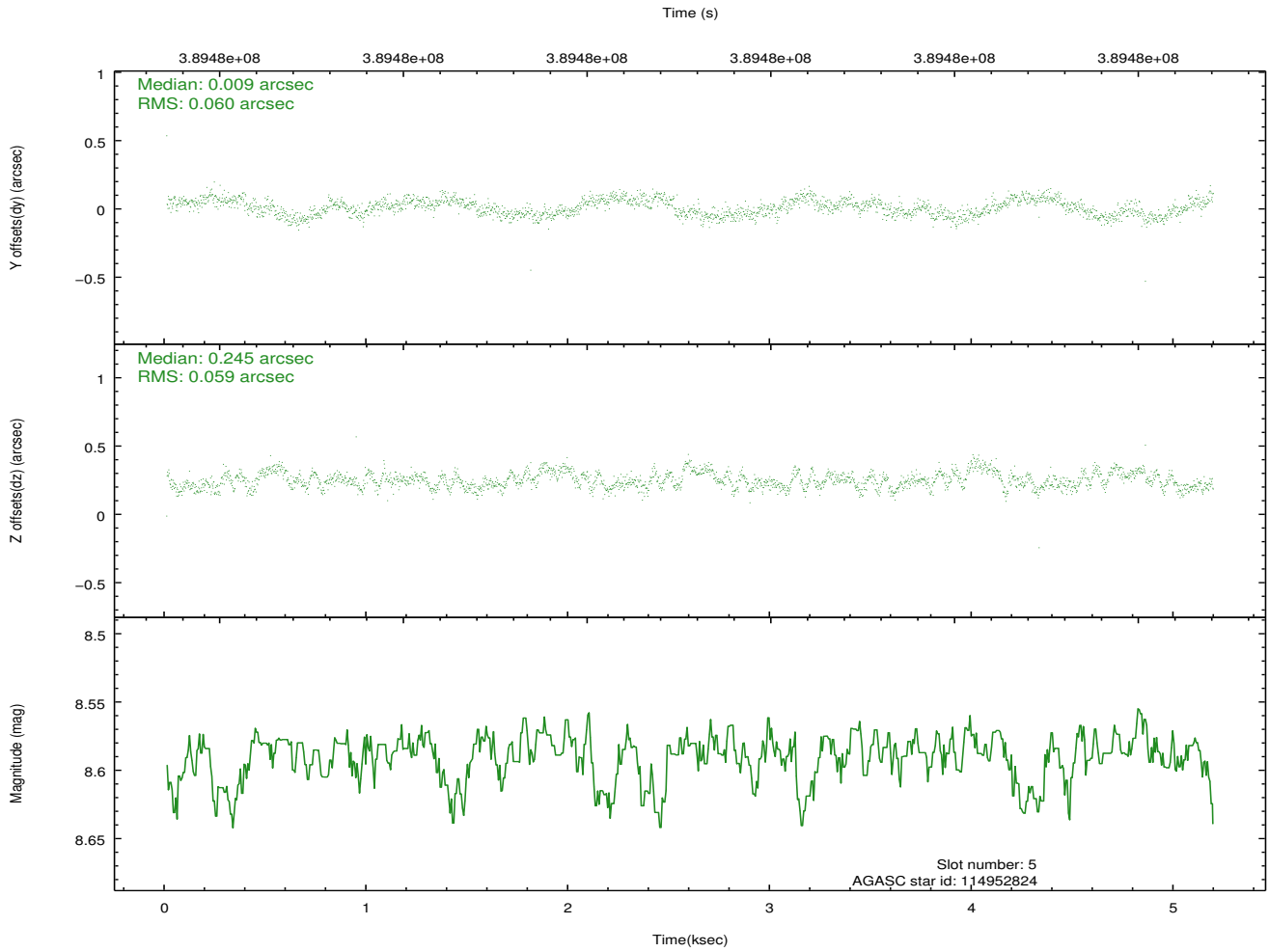
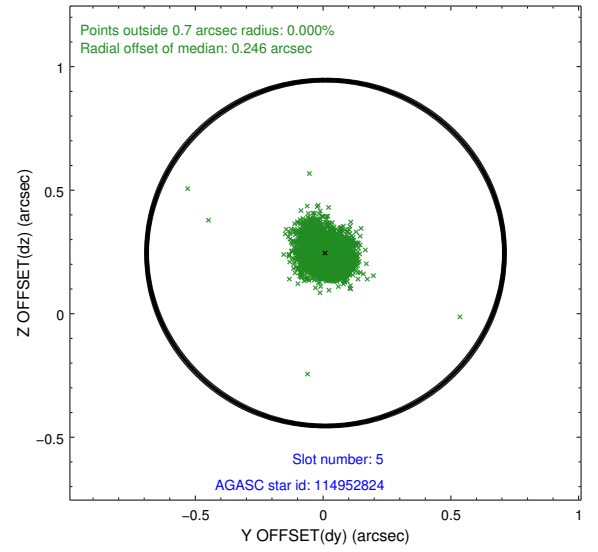
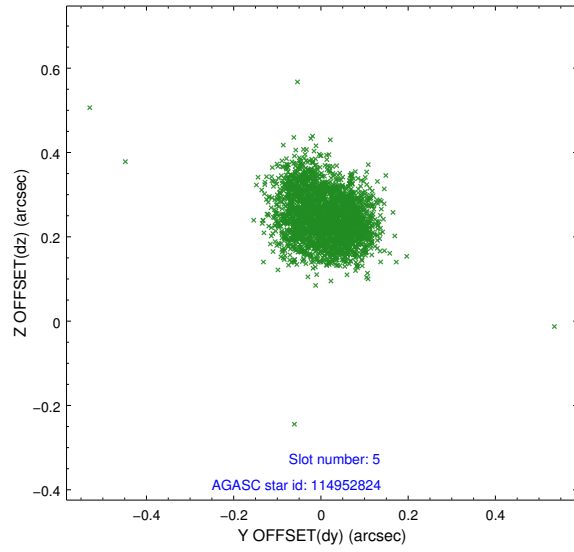
2.4.1 Slot 3



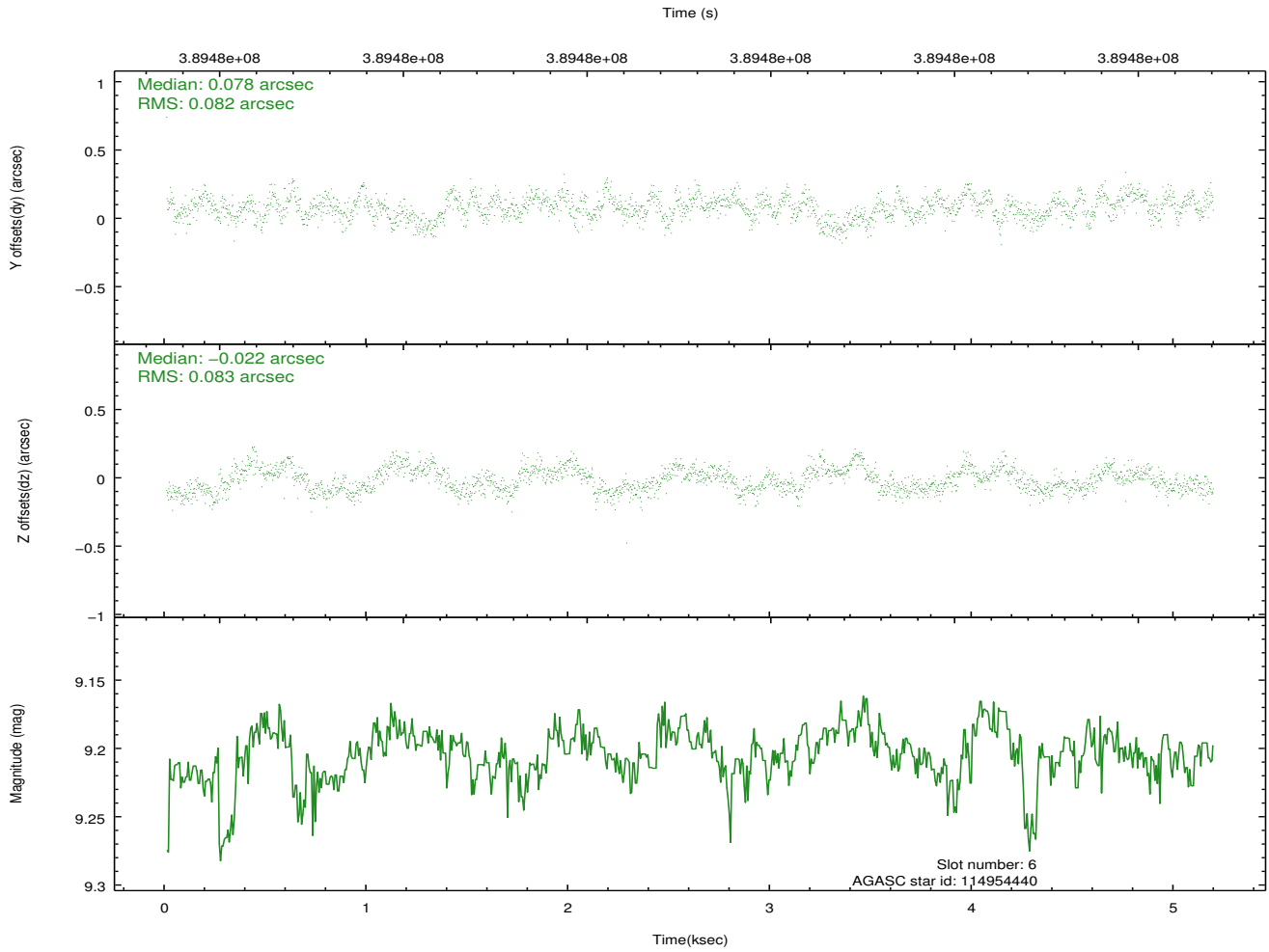
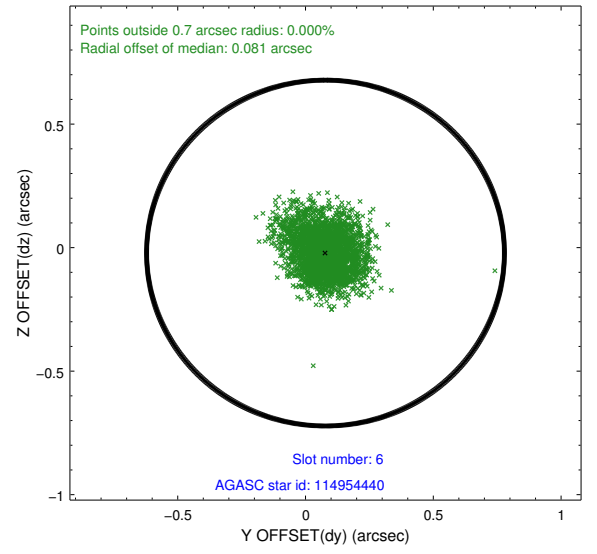
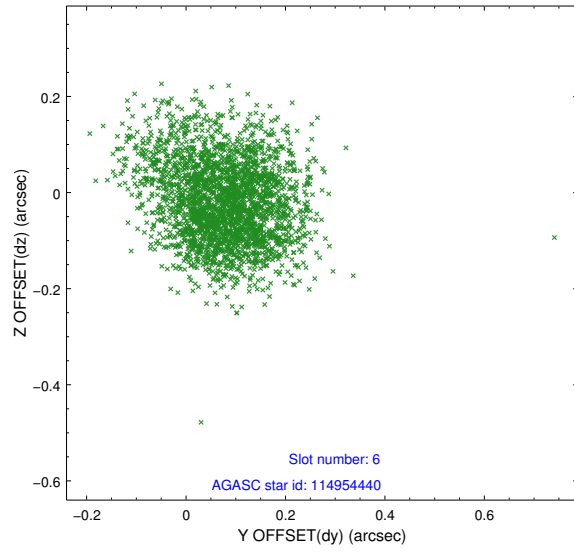
2.4.2 Slot 4



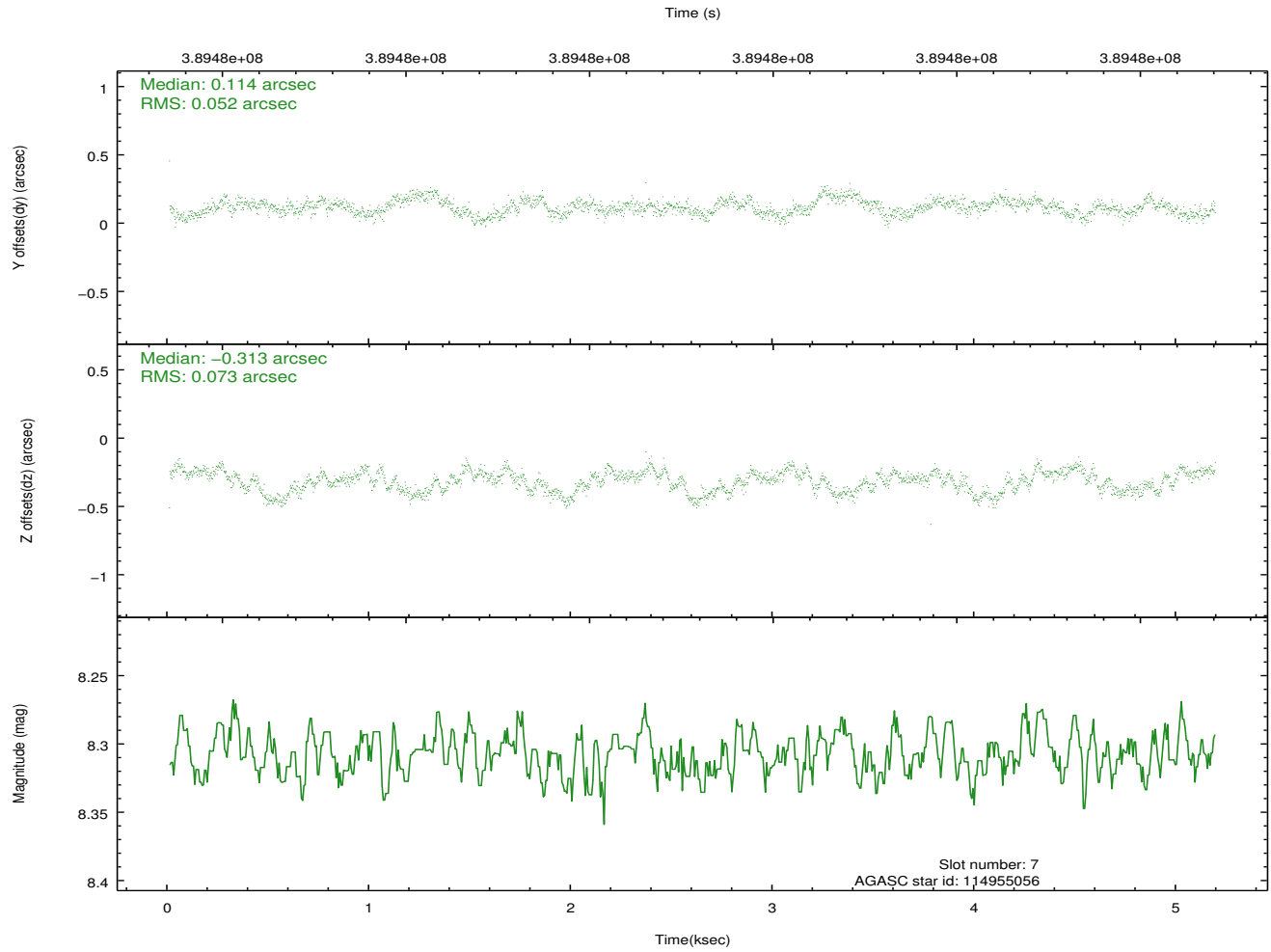
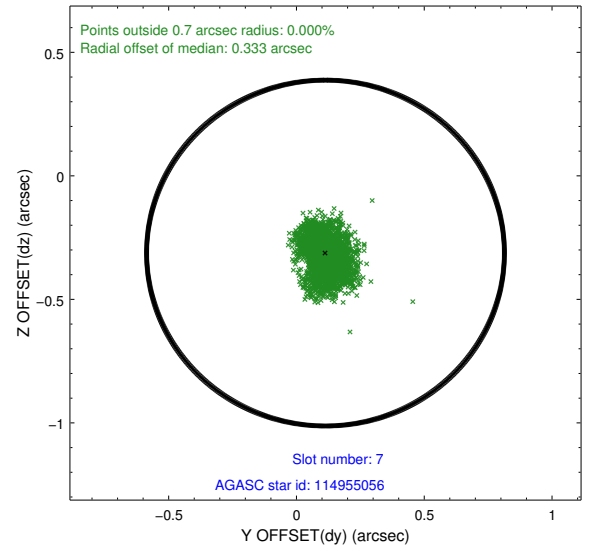
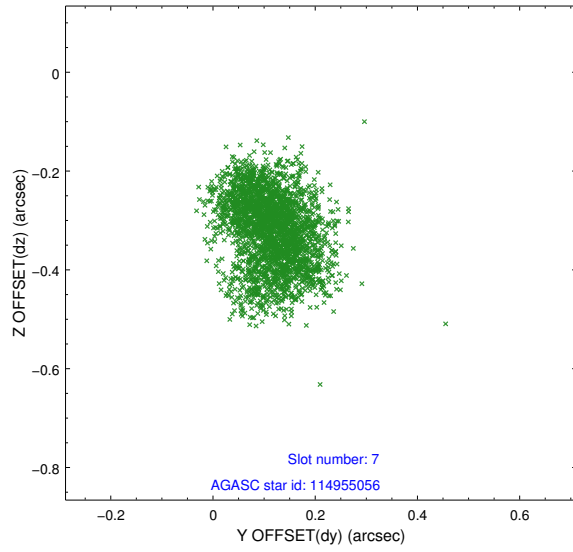
2.4.3 Slot 5



2.4.4 Slot 6

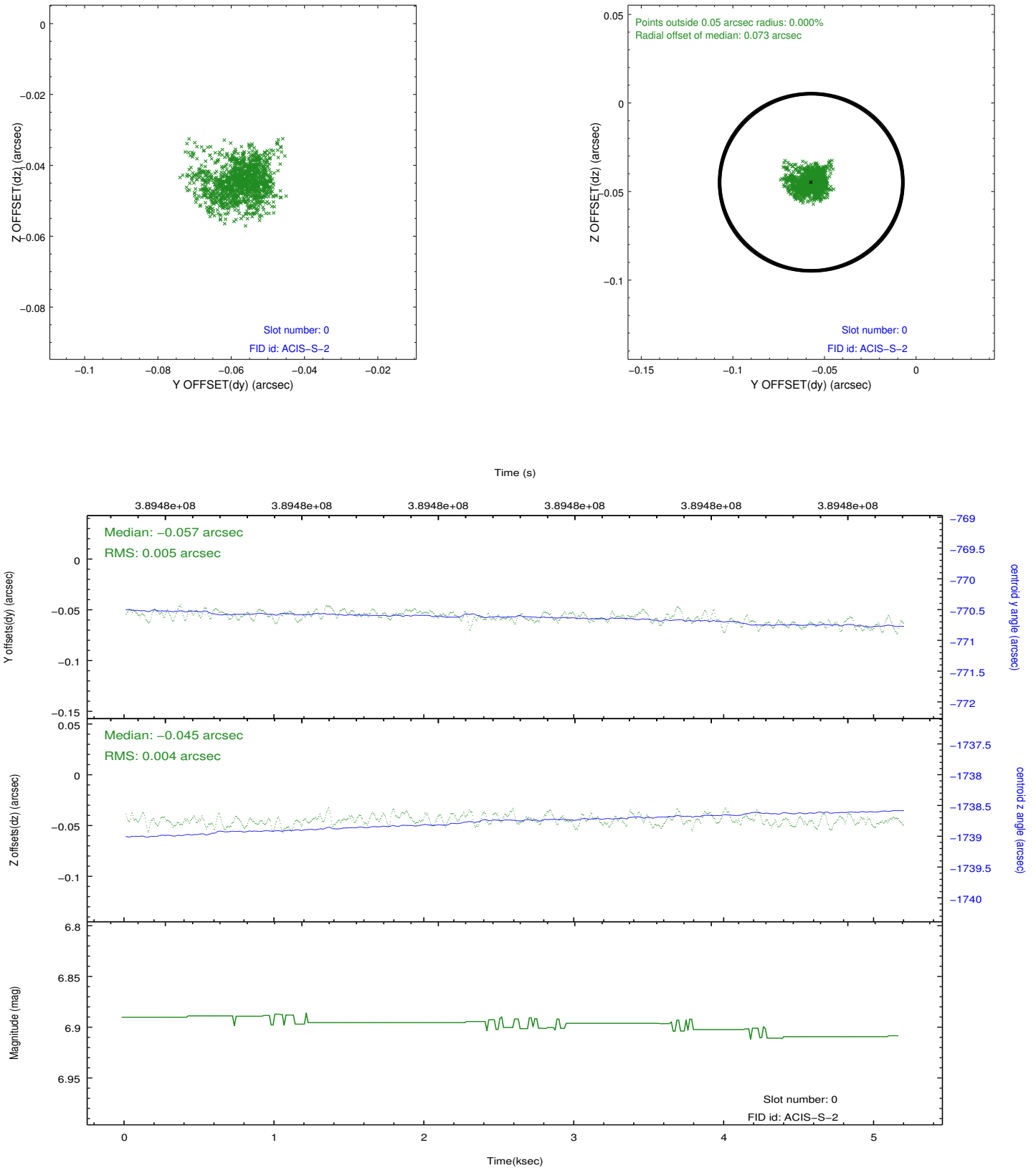


2.4.5 Slot 7

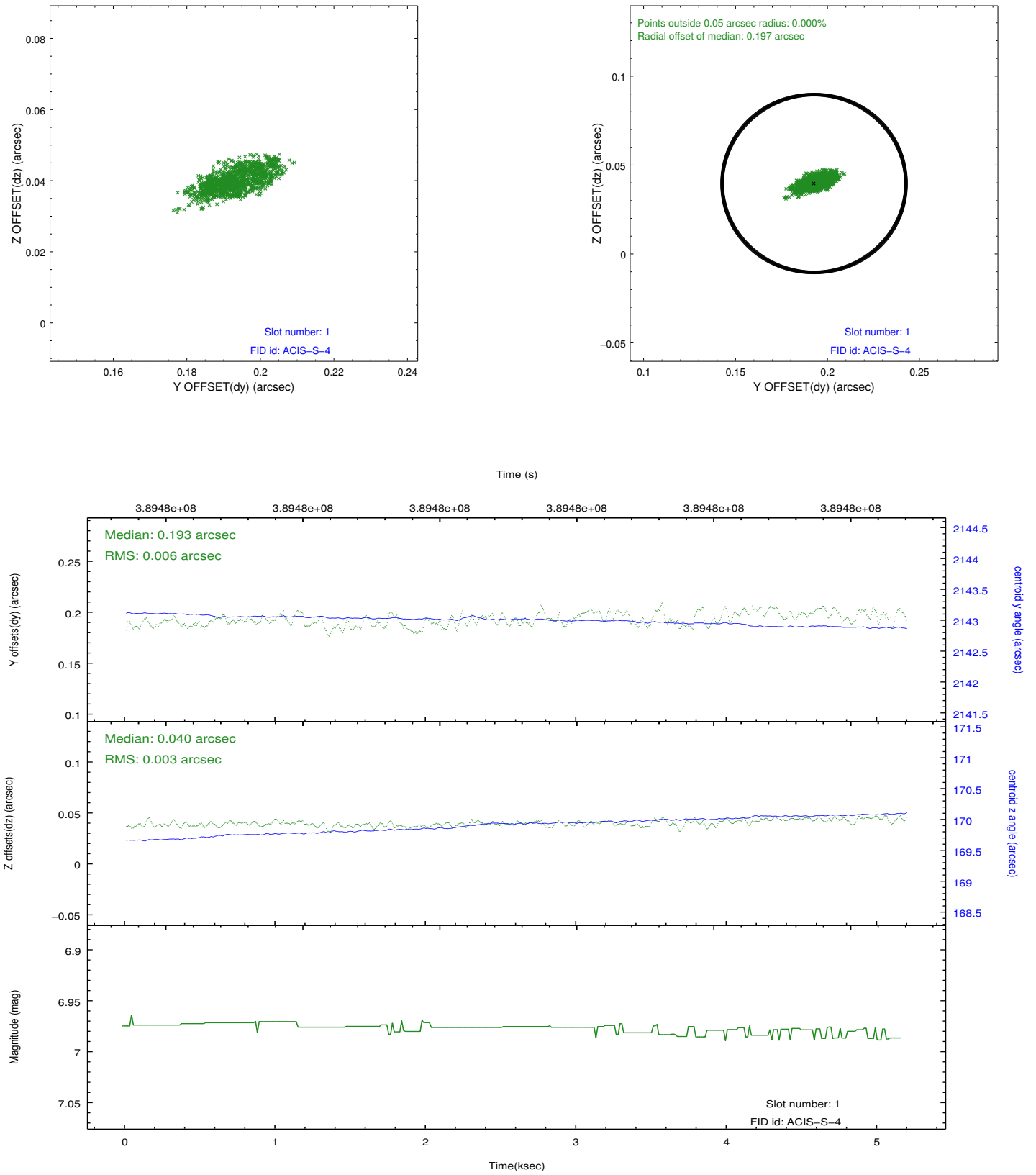


2.5 FID Slots

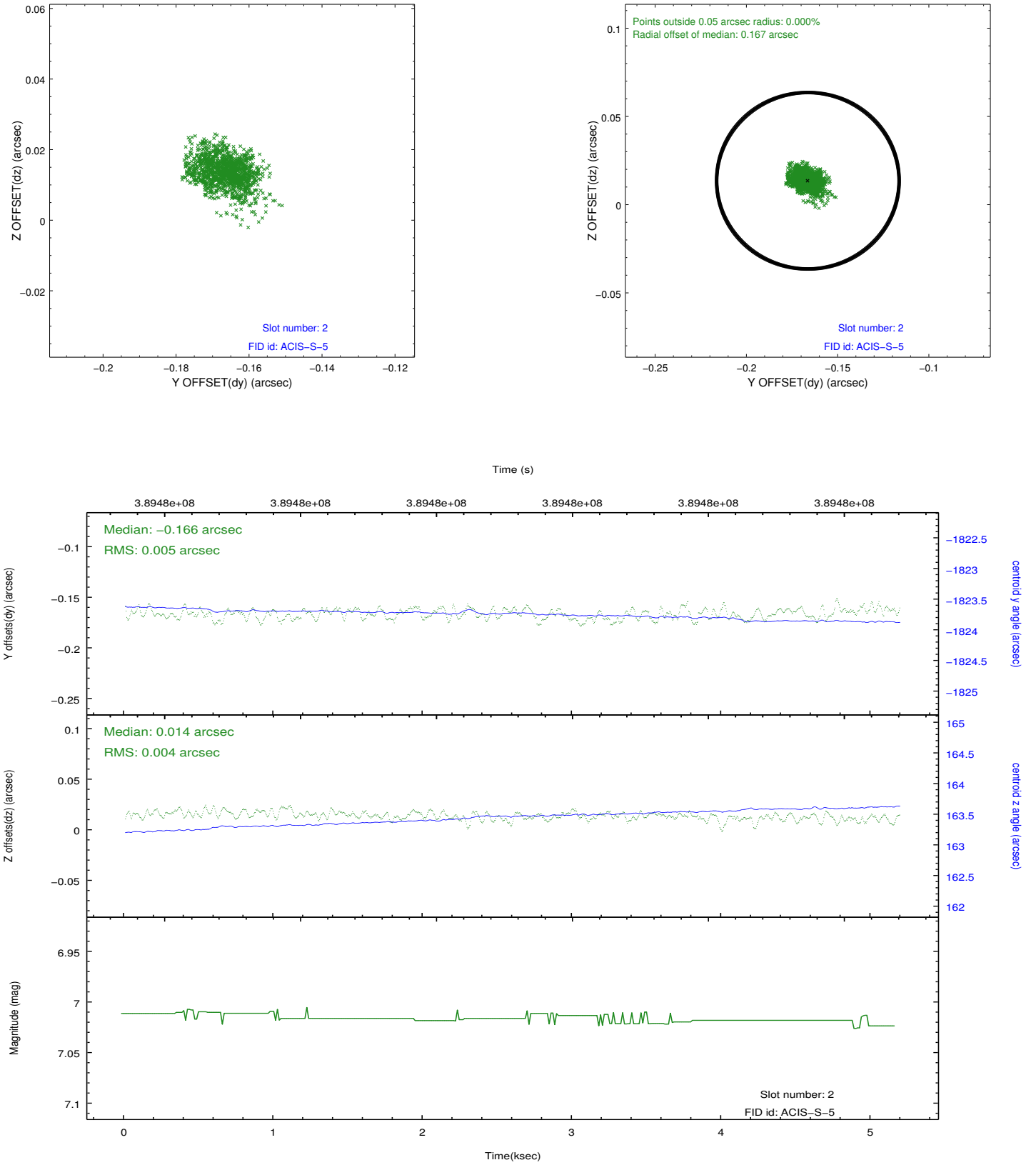
2.5.1 Slot 0



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	5.1859996908903

A.2 Comments

Monitor constraint met, follows obs11516 by 15 days.