

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 17081 - L2 Version 1
Chandra X-Ray Center

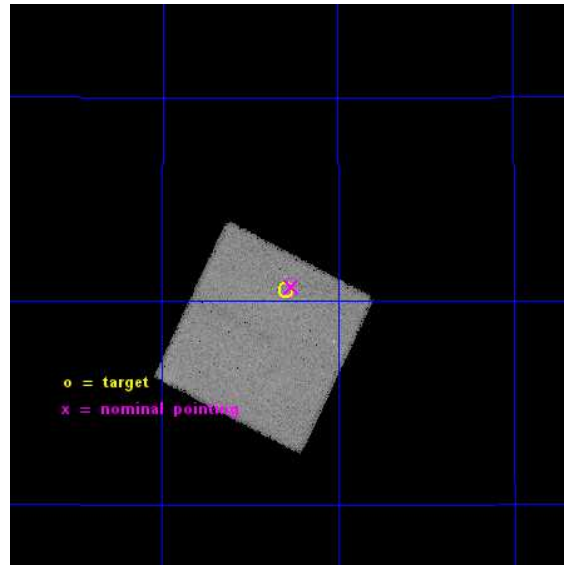
L2 Processing Date : Dec 12 2014

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1 Front

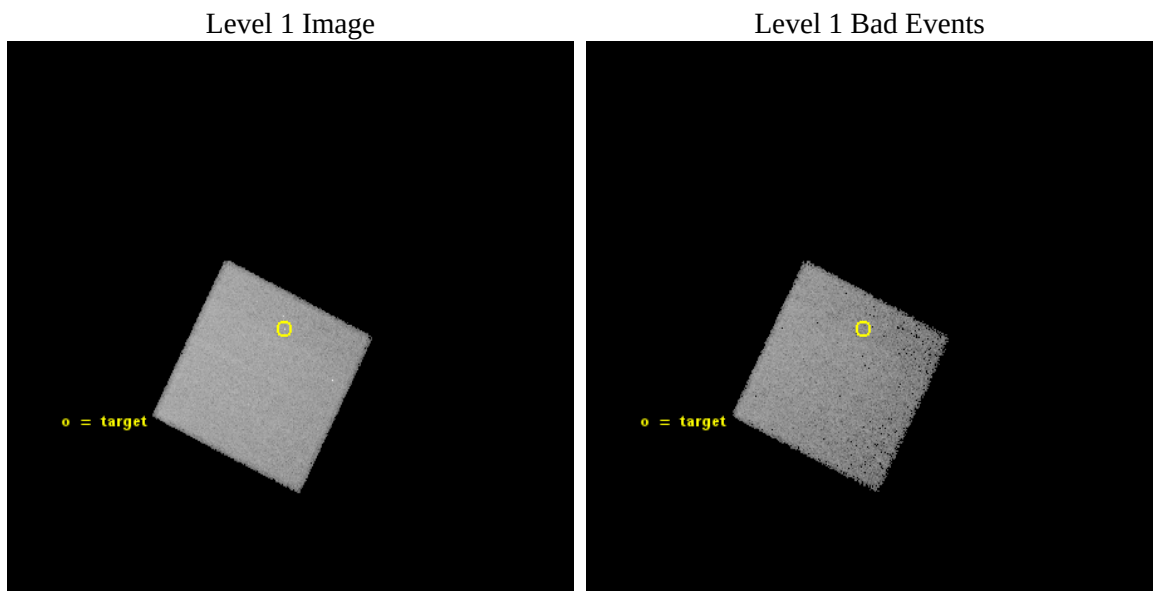
seq_num	703085	Sequence number
obs_id	17081	Observation id
title	The Central Engine of the Most Luminous Quasars	Proposal title
observer	Dr Enrico Piconcelli	Principal investigator
object	SDSS J080117.79+521034.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	120.324167	Observer's specified target RA [deg]
dec_targ	52.176278	Observer's specified target Dec [deg]
ra_nom	120.3160984972	Nominal RA [deg]
dec_nom	52.178541774937	Nominal Dec [deg]
roll_nom	116.43289914641	Nominal Roll [deg]
revision	1	Processing version of data
ontime	44094.0	Sum of GTIs [s]
liveltime	43498.934575014	Livetime [s]
ontime7	44094.0	Sum of GTIs [s]
l2events	126143	Number of level 2 events



2 OBI

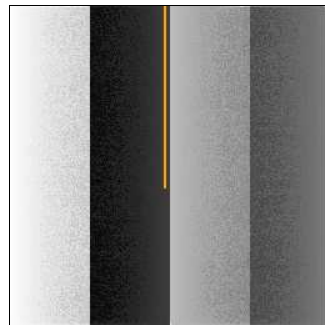
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	44000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	44094.0	Sum of GTIs [s]
caldsver	4.6.4	 	ontime7	44094.0	Sum of GTIs [s]
date	2014-12-13T03:43:39	Date and time of file creation	l1events	290624	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

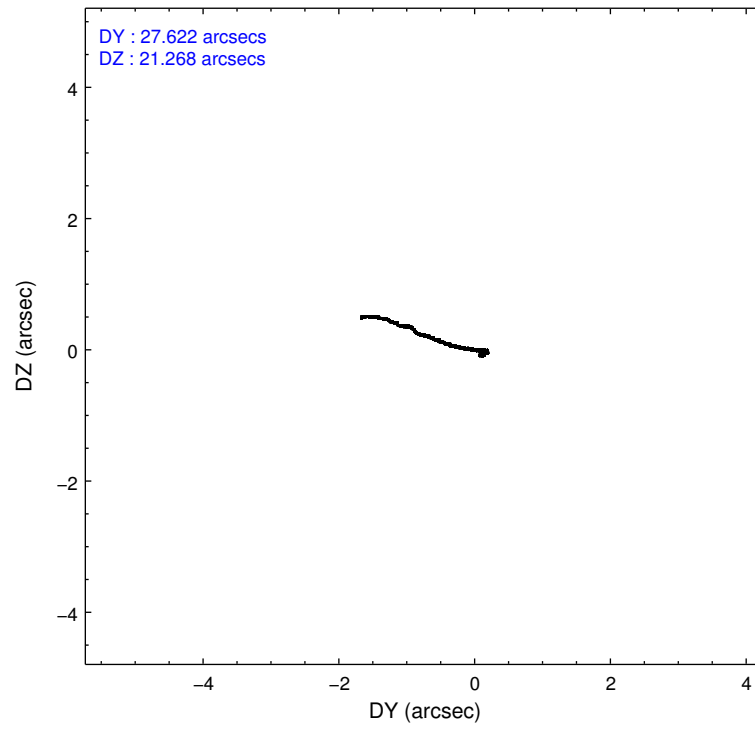
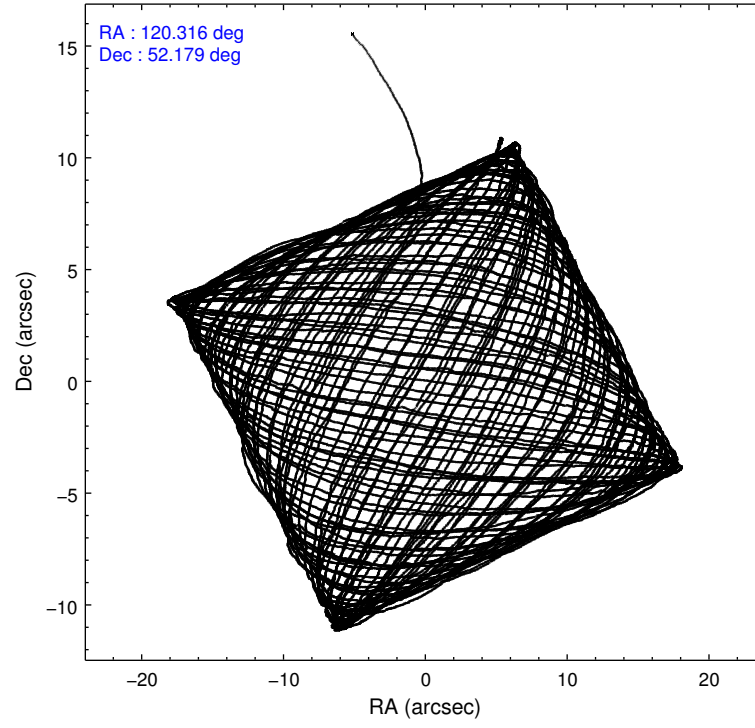
	ccd 7
level 1 events	290624
rejected events	161343
rejected %	55%

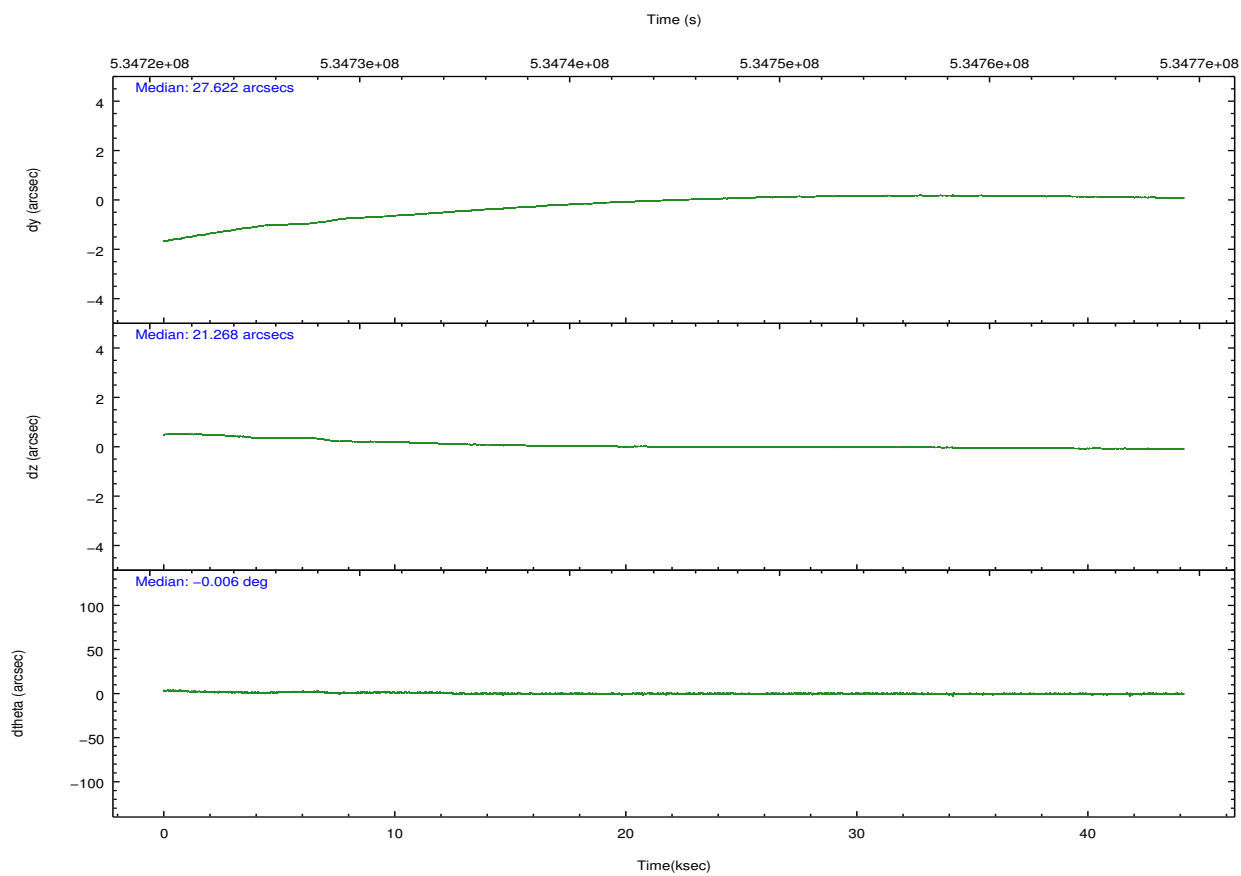
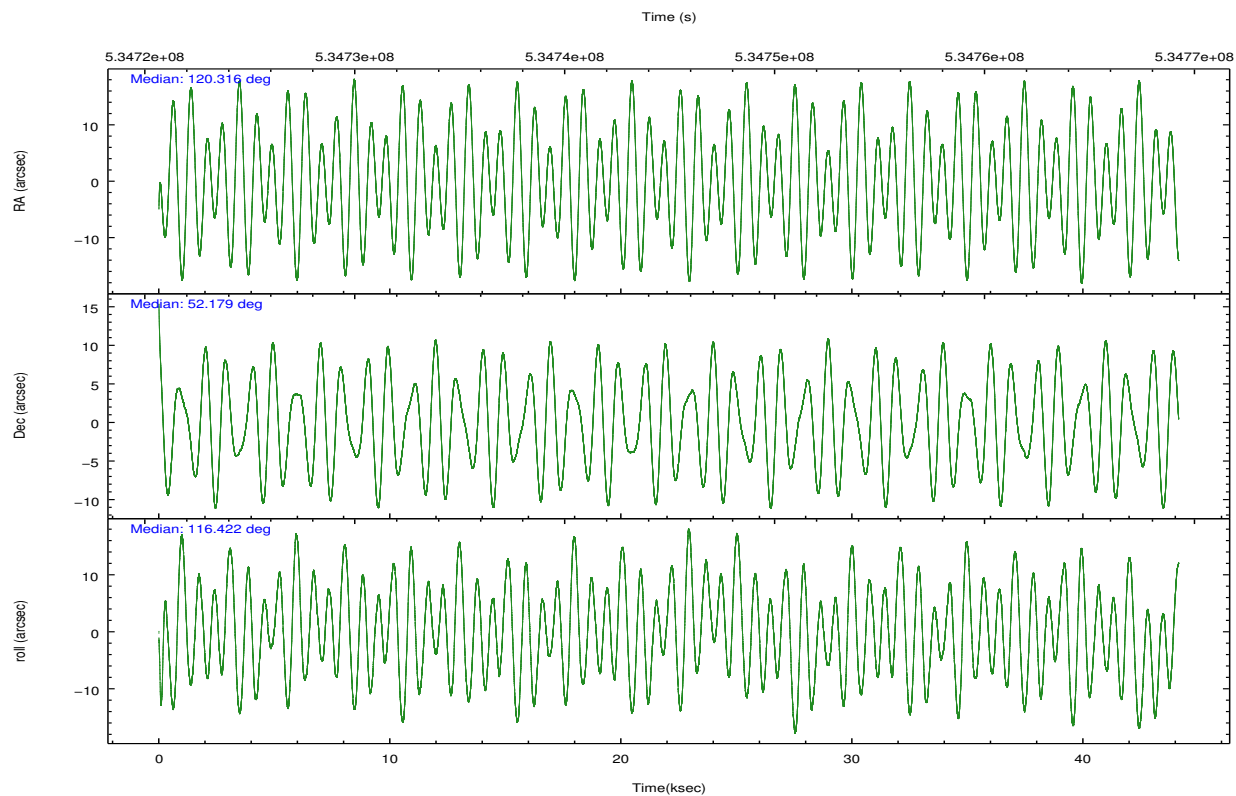
	ccd 7
grade 0 events	11794
	4%
grade 1 events	343
	0%
grade 2 events	26680
	9%
grade 3 events	11185
	3%
grade 4 events	10980
	3%
grade 5 events	30105
	10%
grade 6 events	68648
	23%
grade 7 events	130889
	45%

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	120.353710	120.3160984972015	Subarray requested	NONE	NONE
[deg] Pointing Dec	52.163658	52.17854177493651	Alternating exposures requested	N	N
[deg] Pointing Roll	116.246568	116.4328991464075	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	534723027.184000	534722004.11772			
Observation start date	2014-12-11T22:09:20	2014-12-11T21:53:24			
[s] Observation end time (MET)	534767027.184000	534768045.07028			
Observation end date	2014-12-12T10:22:40	2014-12-12T10:40:45			
Read mode	TIMED	TIMED			

2.3 Aspect



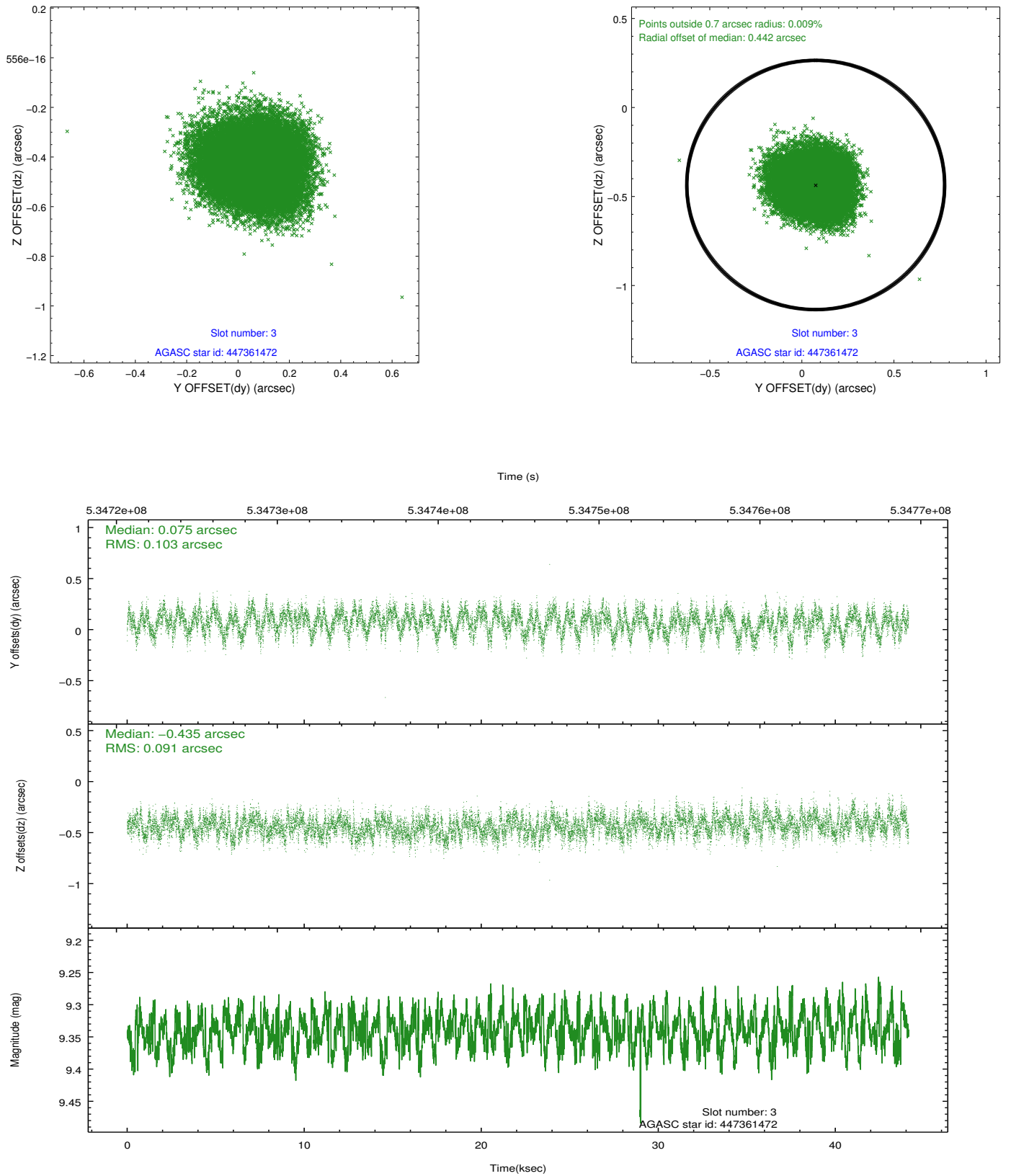


Slot Statistics

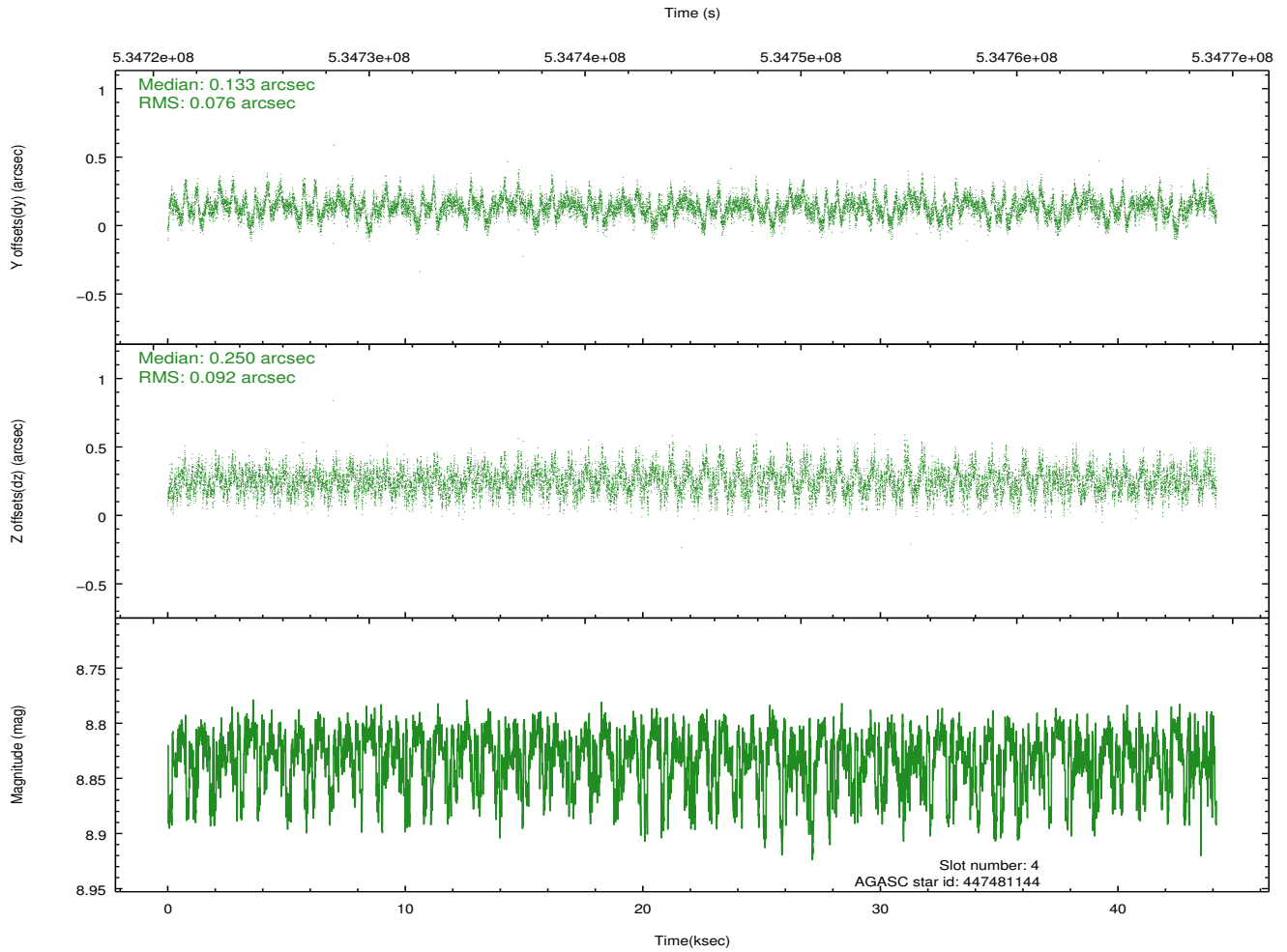
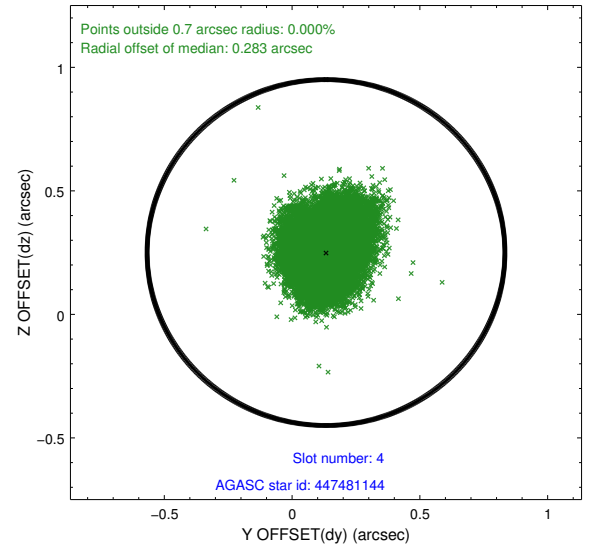
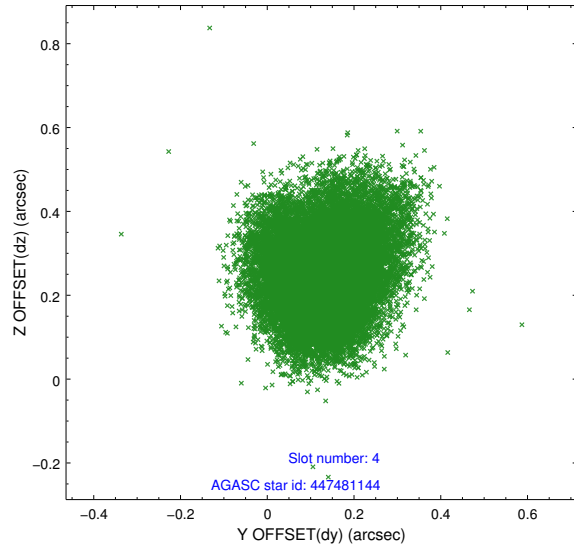
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.02	10766	0.014	-0.054	0.011	0.021	0.000000	0.000000	915.41	-1738.56
1	FID		ACIS-S-4	7.03	10765	0.315	0.035	0.022	0.053	0.000000	0.000000	2133.06	165.71
2	FID		ACIS-S-5	7.04	10767	-0.356	0.031	0.022	0.064	0.000000	0.000000	-1833.86	159.21
3	GUIDE	used	447361472	9.34	21520	0.075	-0.435	0.149	0.233	119.833770	51.447382	-1793.64	2184.46
4	GUIDE	used	447481144	8.83	21515	0.133	0.250	0.127	0.206	121.225066	52.159513	-853.56	-1723.78
5	GUIDE	used	447498512	9.17	21517	-0.062	-0.338	0.144	0.232	120.200000	51.725732	-1262.72	1004.42
6	GUIDE	used	497568864	7.75	21531	-0.302	-0.088	0.102	0.162	120.873094	52.757244	1419.72	-1960.82
7	GUIDE	used	447481536	9.63	21184	0.174	0.622	0.200	0.323	121.609189	52.131516	-1308.45	-2447.08

2.4 Star Slots

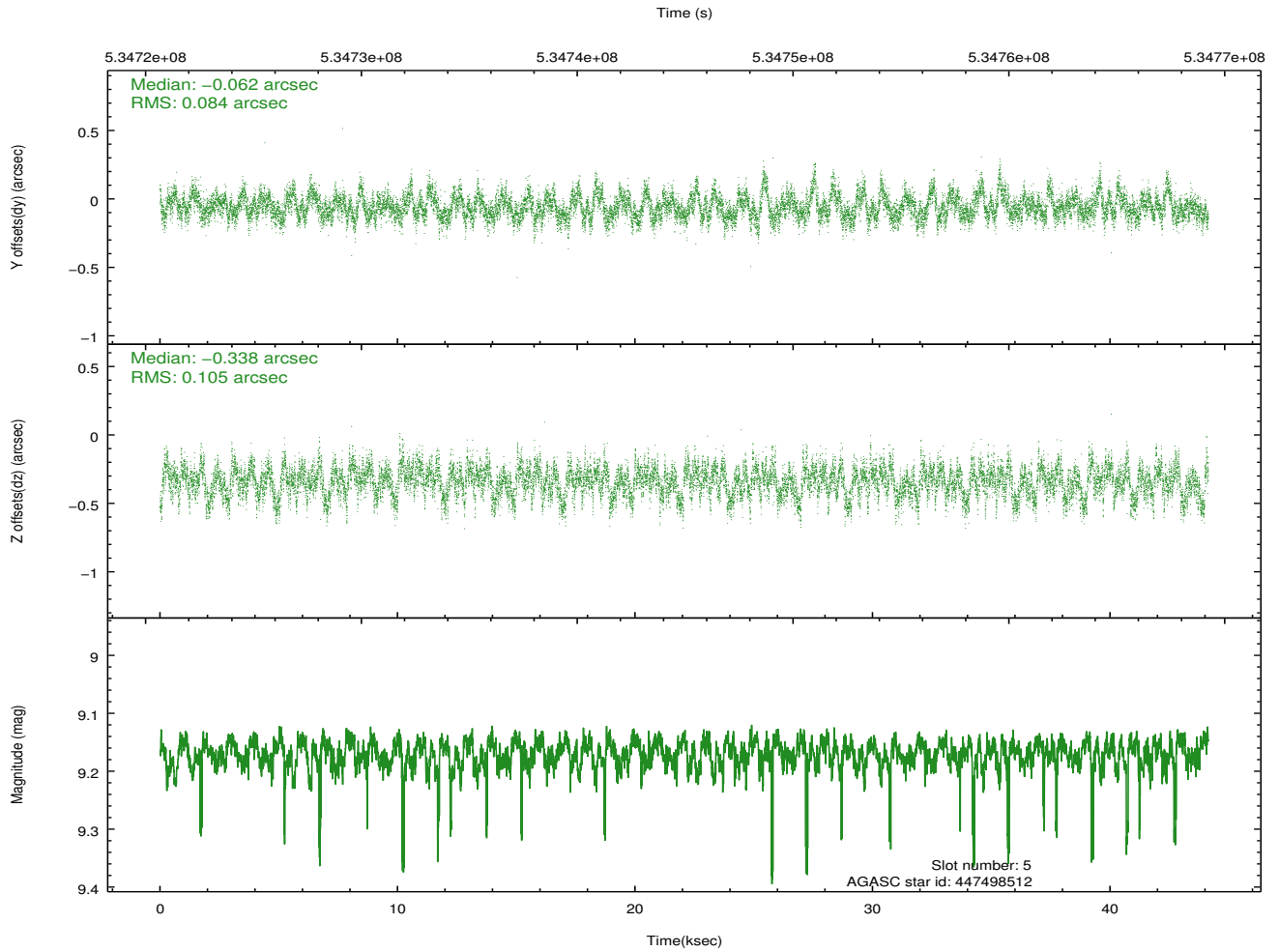
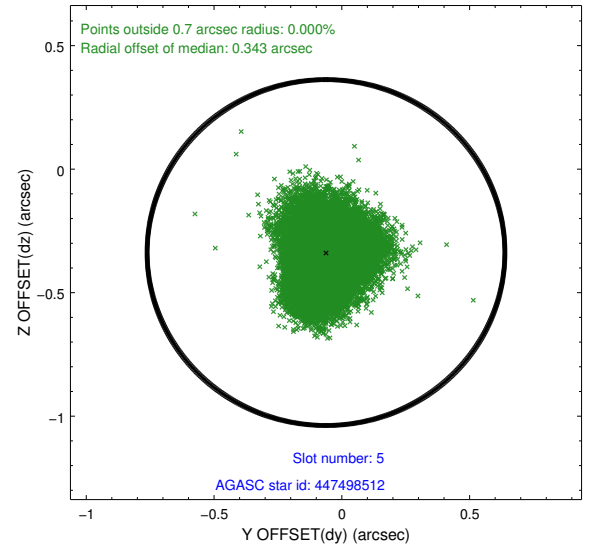
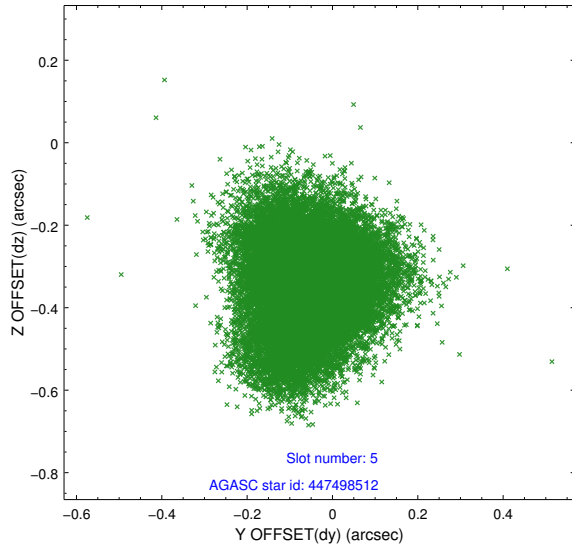
2.4.1 Slot 3



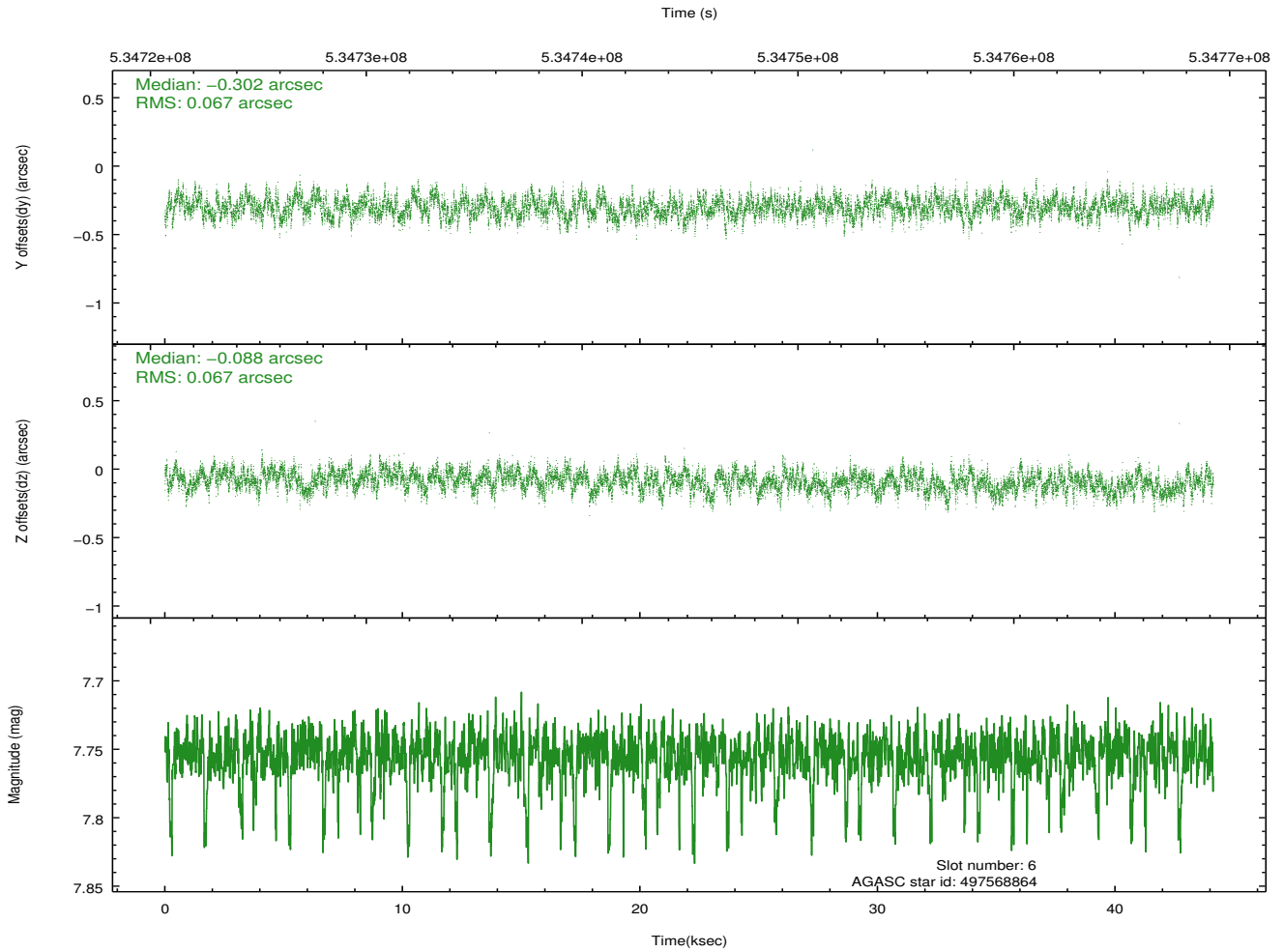
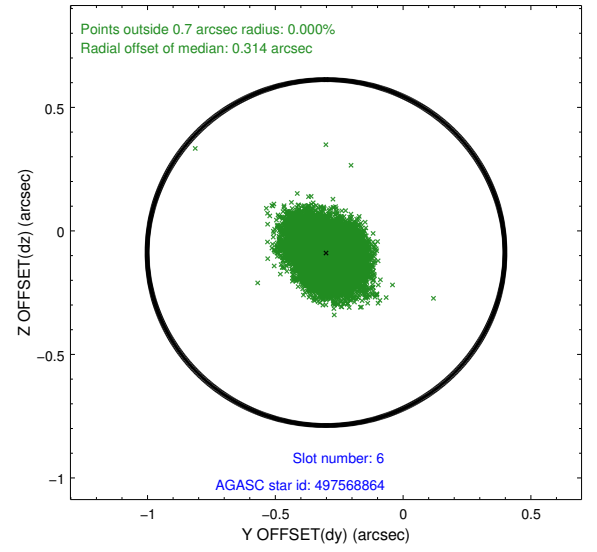
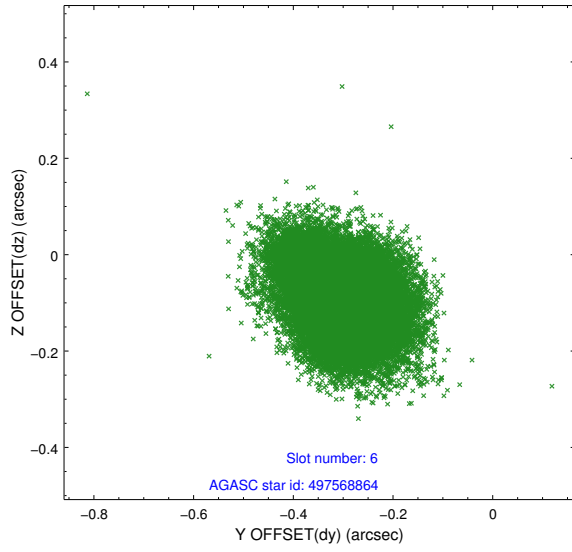
2.4.2 Slot 4



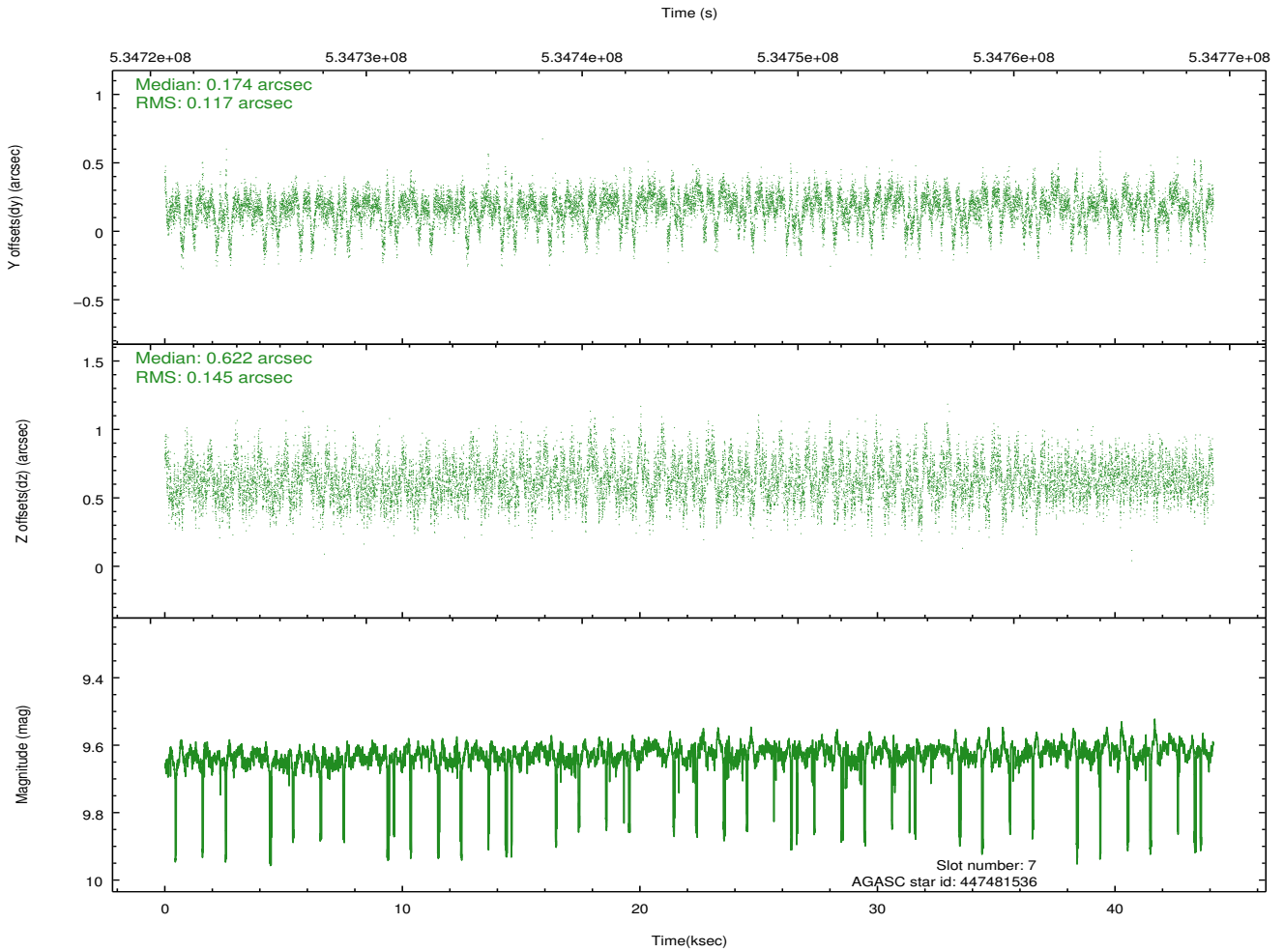
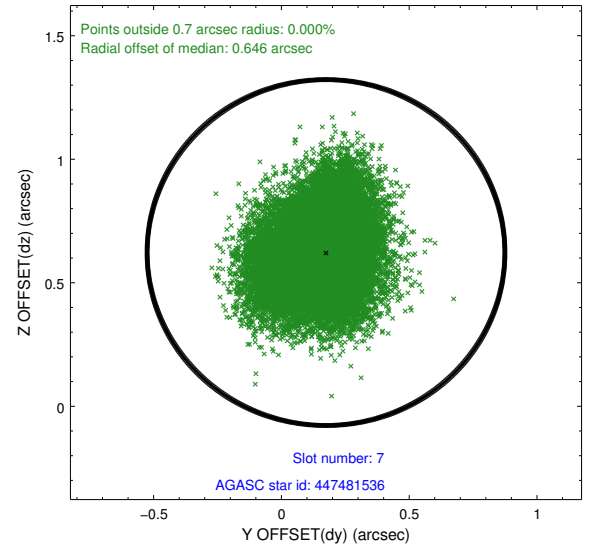
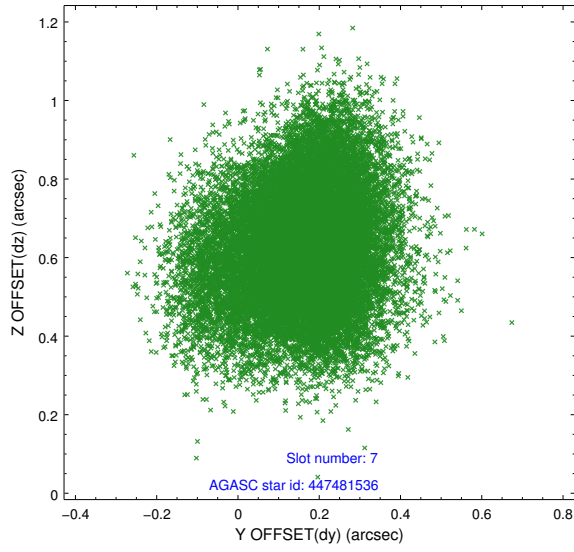
2.4.3 Slot 5



2.4.4 Slot 6

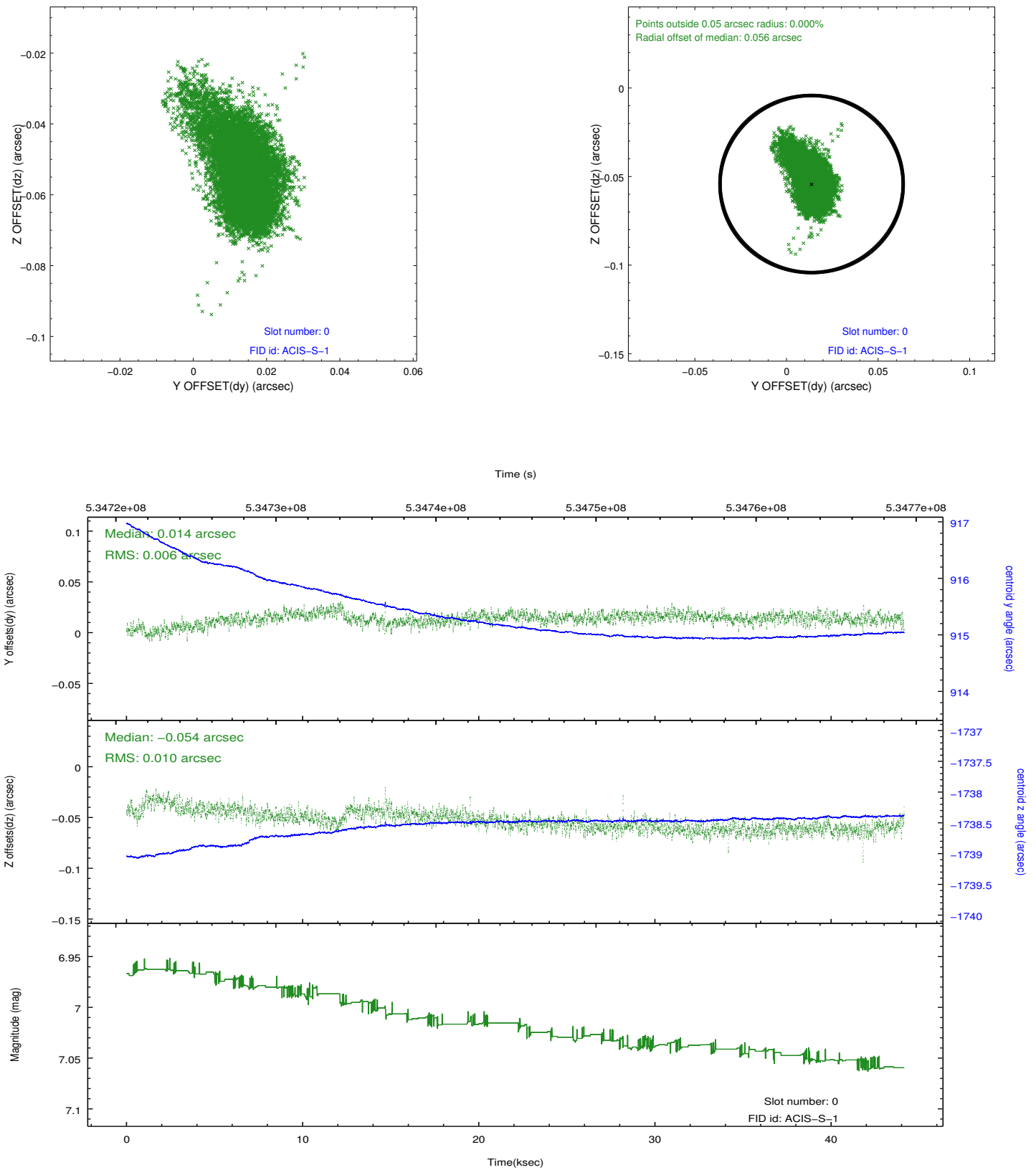


2.4.5 Slot 7

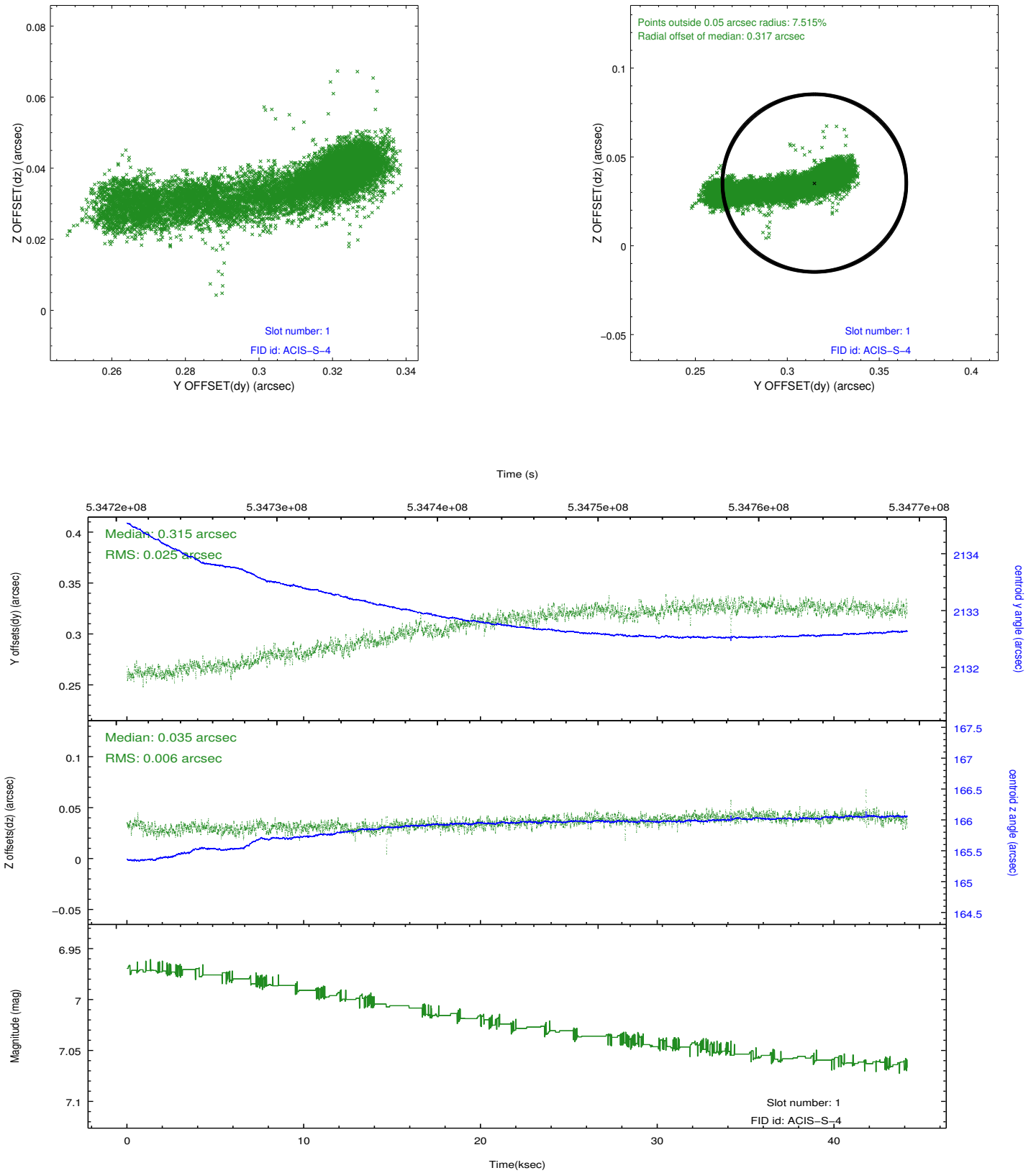


2.5 FID Slots

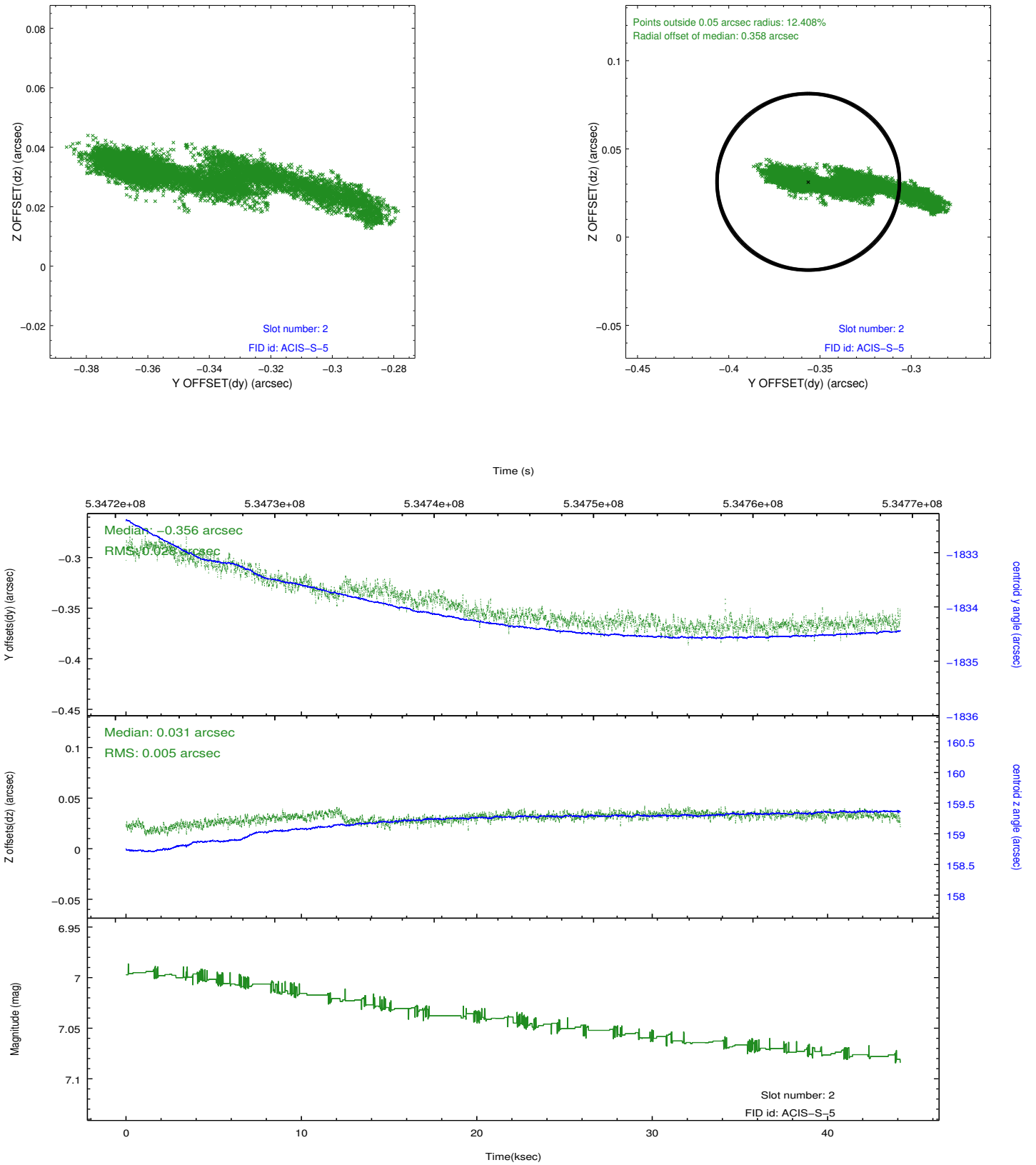
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	44.094

A.2 Comments