

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5522 - L2 Version 4
Chandra X-Ray Center

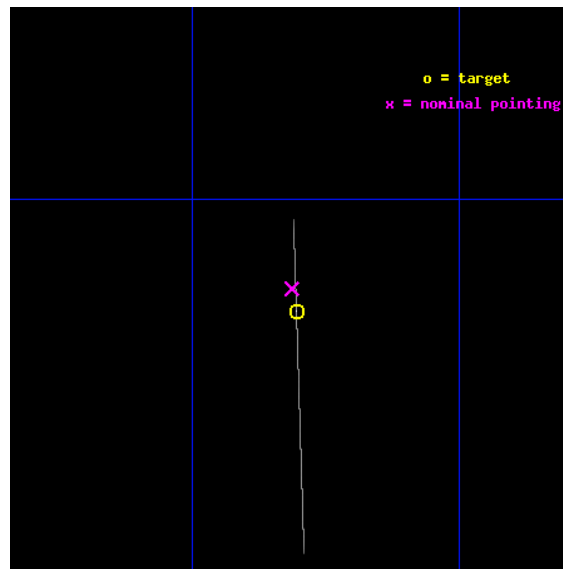
L2 Processing Date : Dec 17 2012

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 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

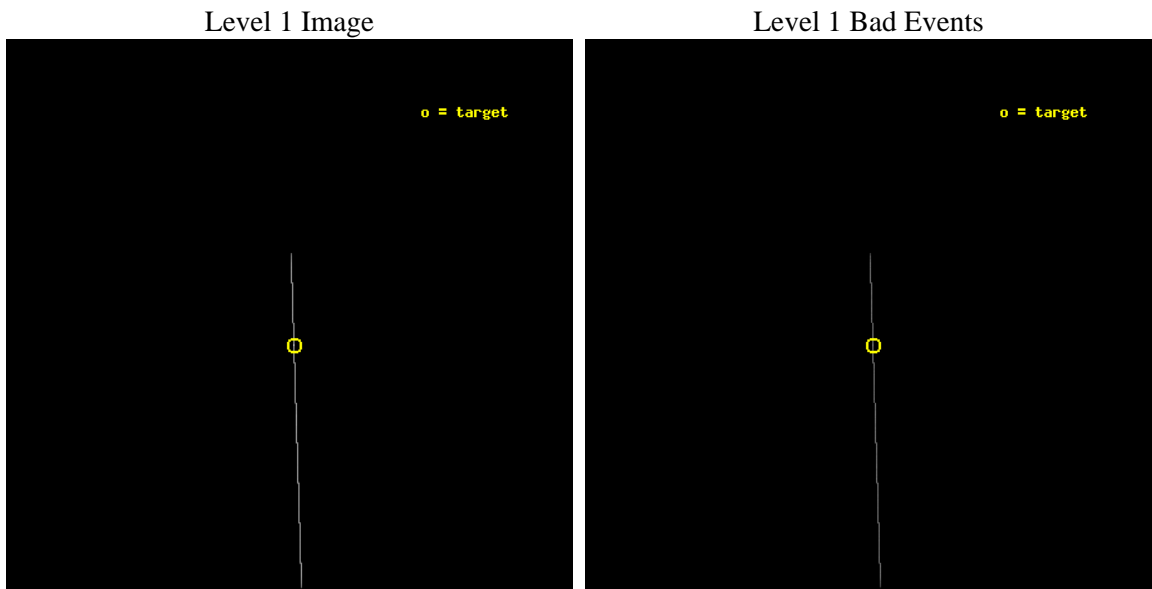
seq_num	500516	Sequence number
obs_id	5522	Observation id
title	Timing the Enigmatic Nearby Neutron Star RX J1308.8+2127	Proposal
observer	Prof. David Kaplan	Principal investigator
object	RX J1308.8+2127	Source name
ra_targ	197.20125	Observer's specified target RA [deg]
dec_targ	21.451889	Observer's specified target Dec [deg]
ra_nom	197.20341038544	Nominal RA [deg]
dec_nom	21.461358135616	Nominal Dec [deg]
roll_nom	88.155848734212	Nominal Roll [deg]
revision	4	Processing version of data
ontime	15951.75	Sum of GTIs [s]
livetime	15889.438476562	Livetime [s]
ontime7	15951.75	Sum of GTIs [s]
l2events	69660	Number of level 2 events



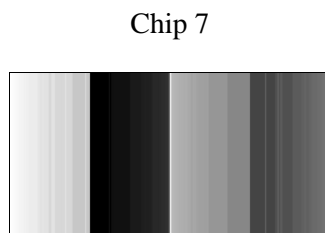
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15770.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	15951.75	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	15951.75	Sum of GTIs [s]
date	2012-12-17T16:15:30	Date and time of file creation	l1events	88436	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

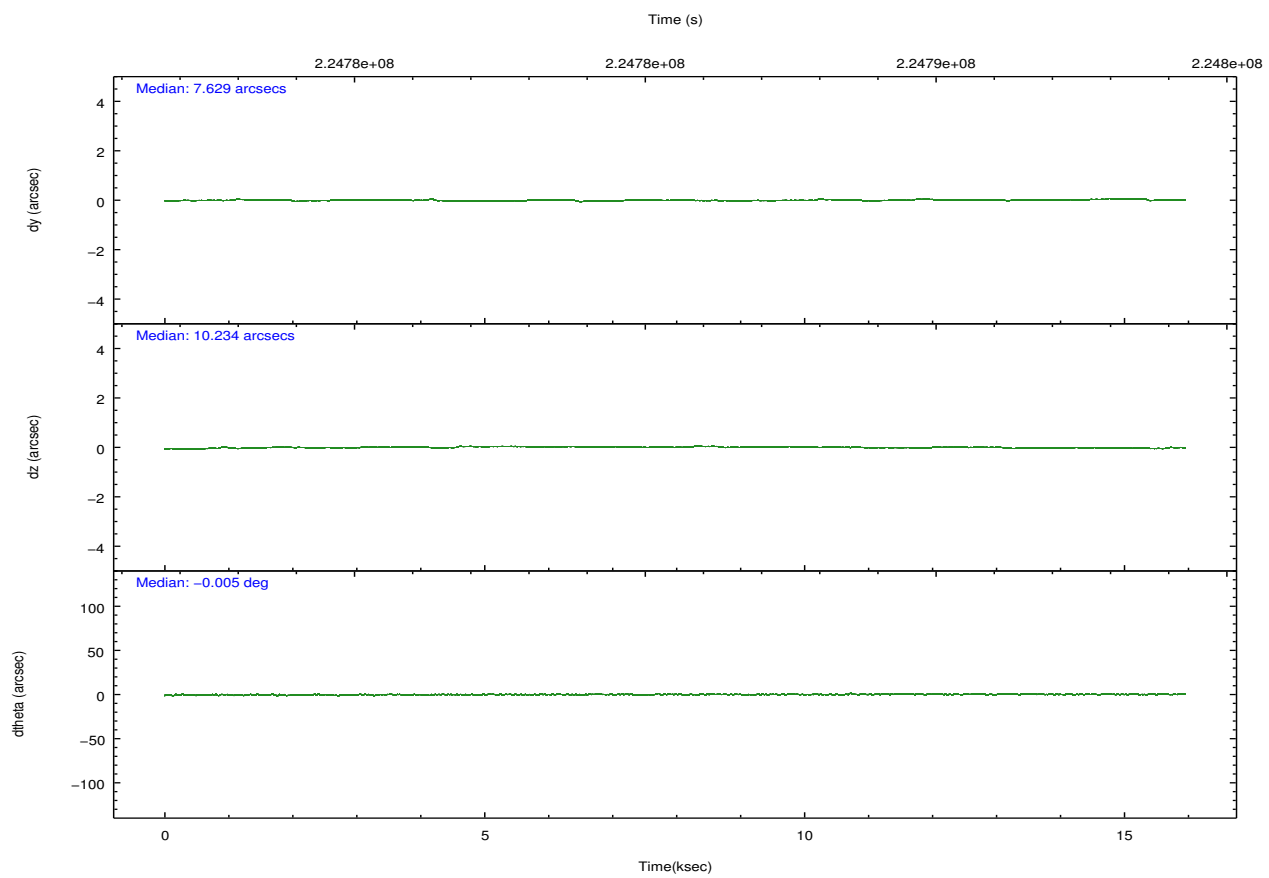
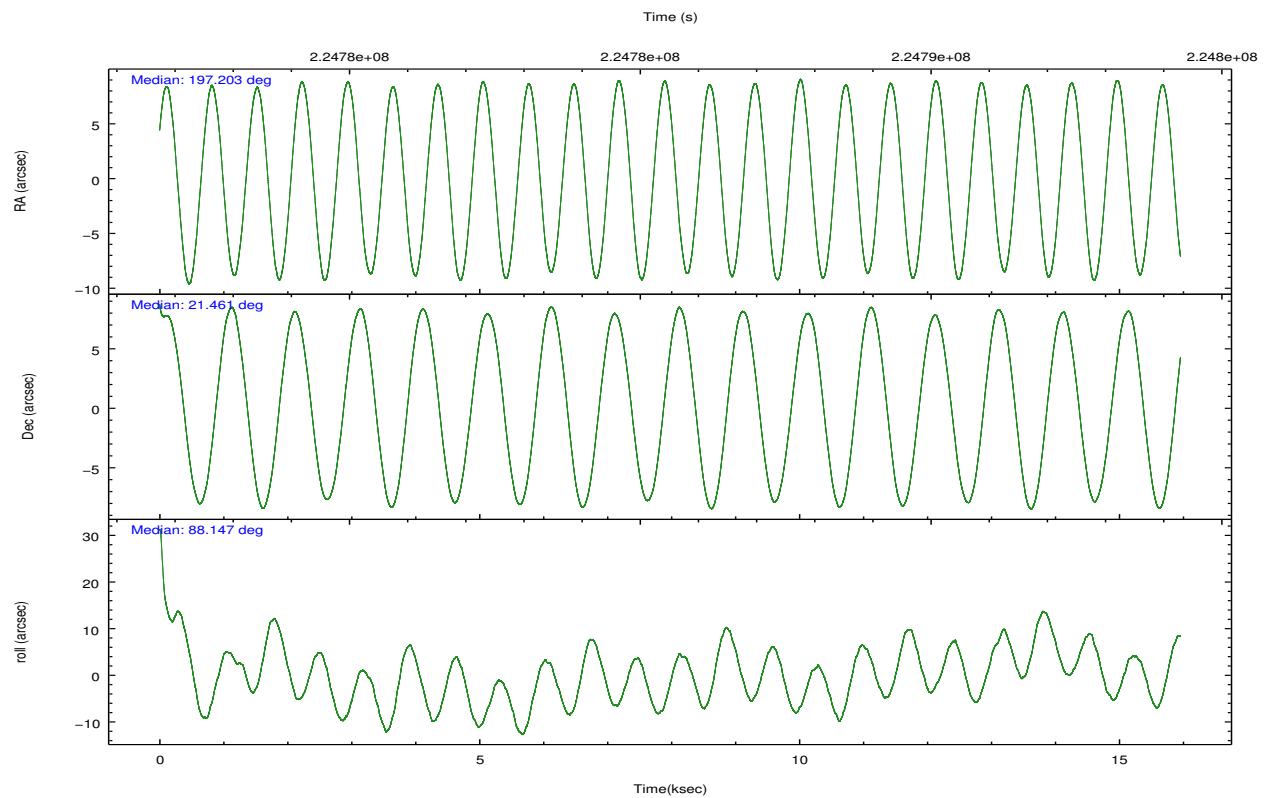
	ccd 7
level 1 events	88436
rejected events	15957
rejected %	18%

	ccd 7
grade 0 events	10459
	11%
grade 1 events	222
	0%
grade 2 events	18181
	20%
grade 3 events	5542
	6%
grade 4 events	5415
	6%
grade 5 events	13873
	15%
grade 6 events	34744
	39%
grade 7 events	0
	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	197.217552	197.2034103854355	Subarray requested	NONE	NONE
[deg] Pointing Dec	21.437519	21.46135813561643	Alternating exposures requested	N	N
[deg] Pointing Roll	87.994044	88.15584873421248	[s] Primary exposure time	0.000000	0
[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)	224777719.184000	224777031.63594			
Observation start date	2005-02-14T14:14:15	2005-02-14T14:03:51			
[s] Observation end time (MET)	224793489.184000	224793869.8242			
Observation end date	2005-02-14T18:37:05	2005-02-14T18:44:29			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect

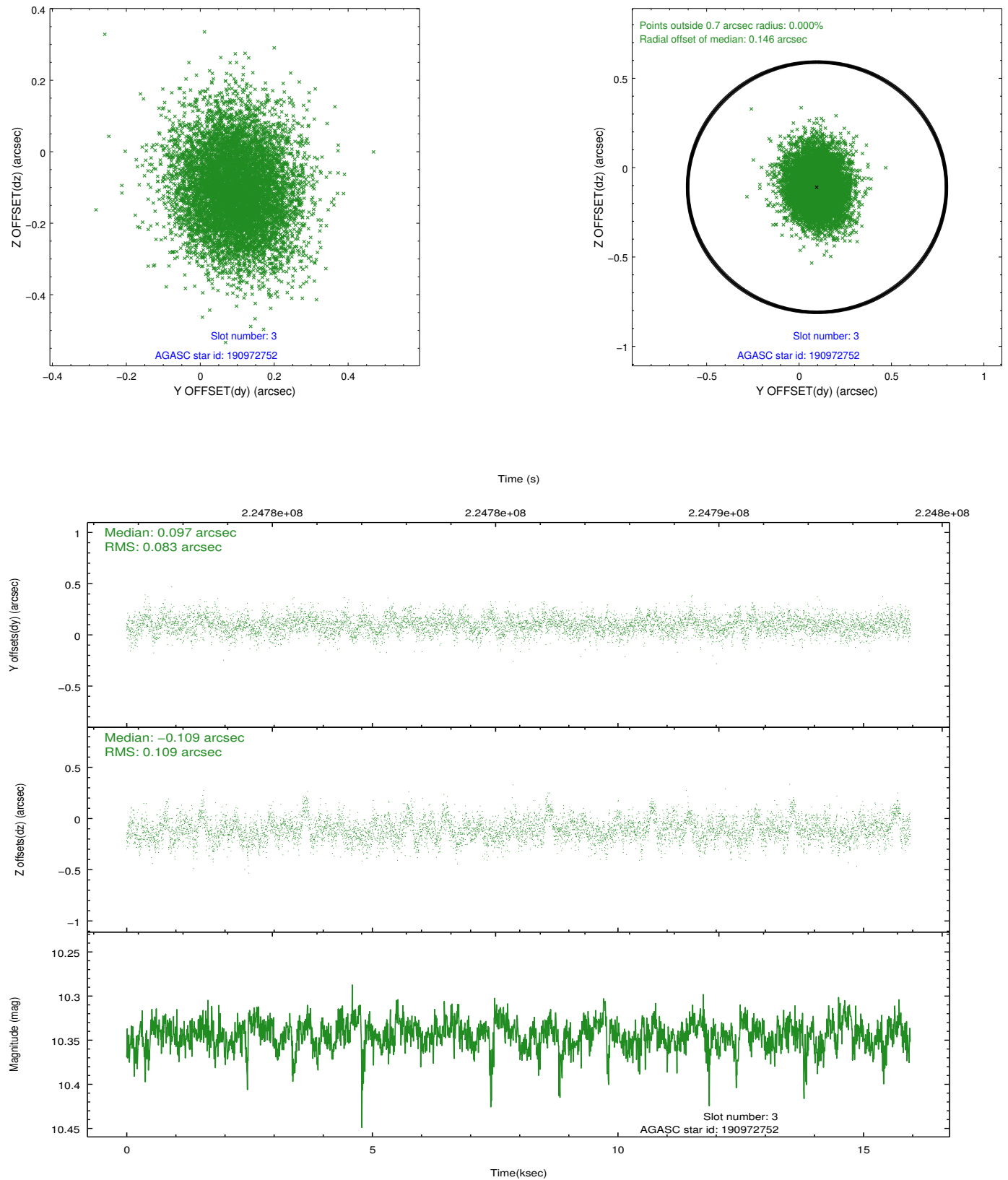


Slot Statistics

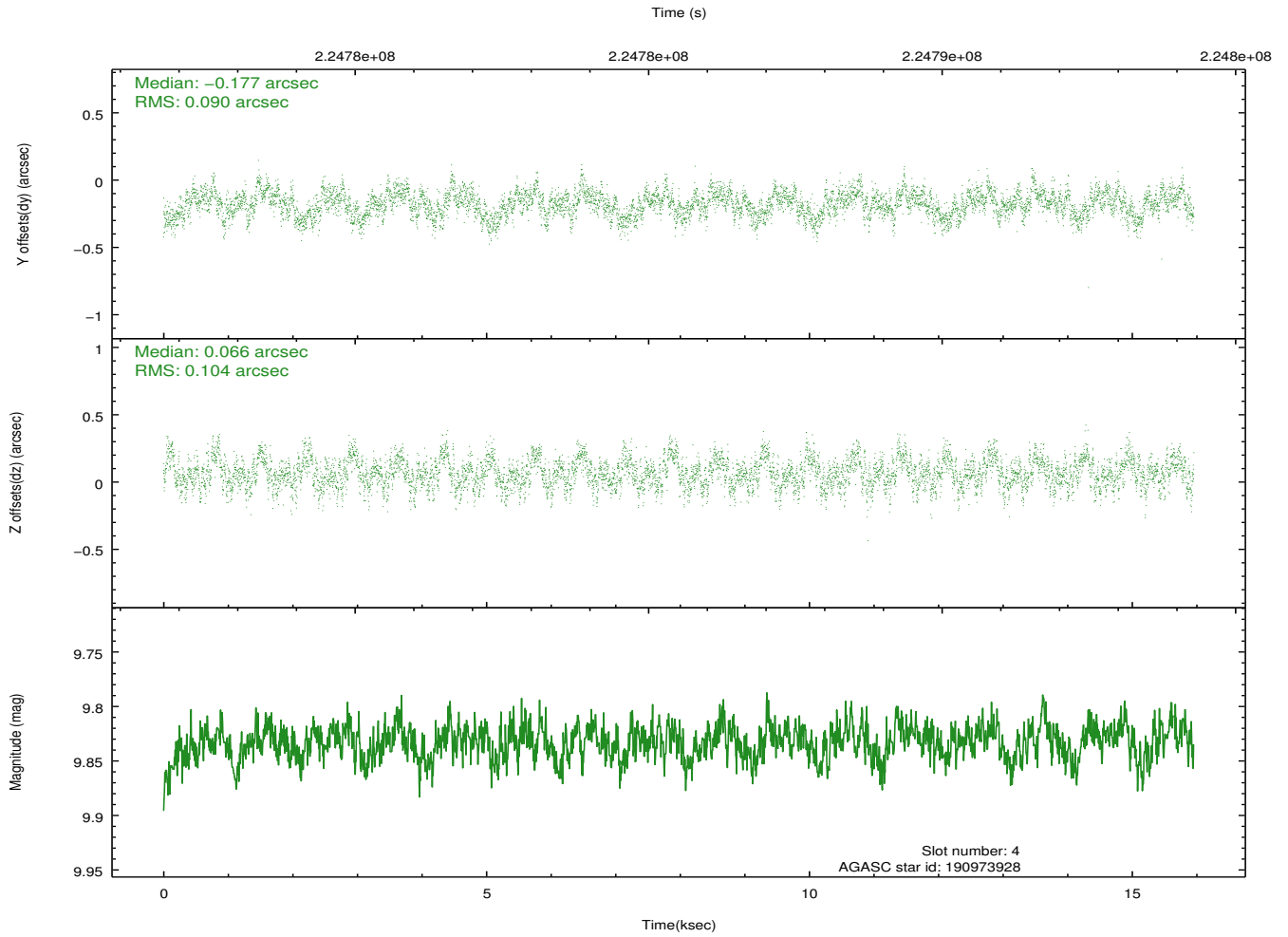
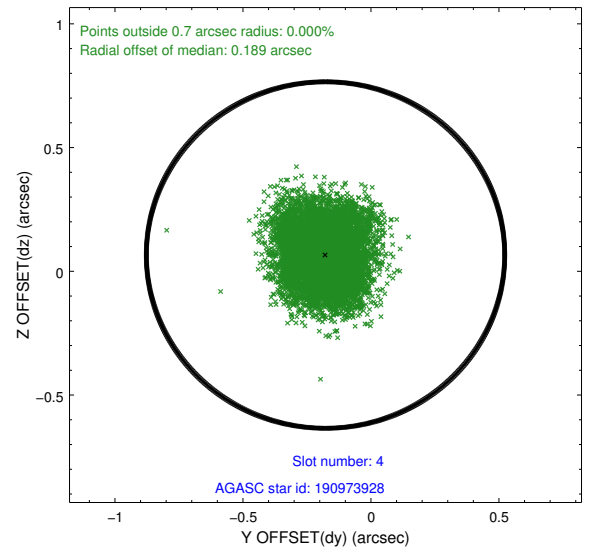
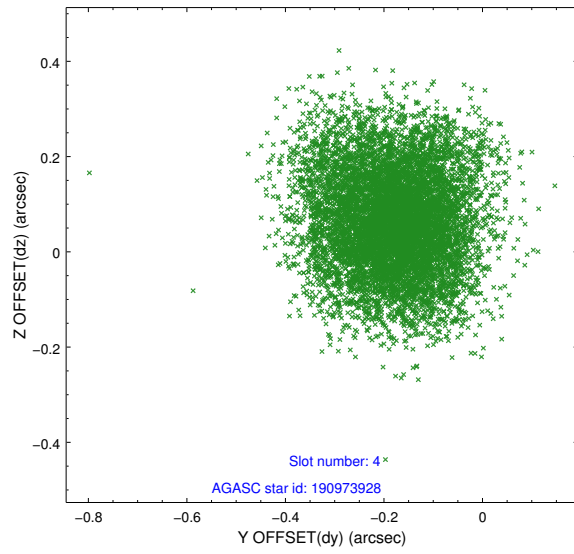
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	3892	-0.045	-0.019	0.008	0.013	0.000000	0.000000	-760.40	-1731.52
1	FID	ACIS-S-4	7.21	3890	0.094	0.026	0.008	0.014	0.000000	0.000000	2152.85	176.79
2	FID	ACIS-S-5	7.23	3892	-0.081	0.001	0.007	0.012	0.000000	0.000000	-1812.97	170.66
3	GUIDE	190972752	10.34	7774	0.097	-0.109	0.145	0.241	197.567107	21.351082	-268.06	-1181.87
4	GUIDE	190973928	9.83	7774	-0.177	0.066	0.148	0.236	197.904188	21.564389	542.48	-2280.68
5	GUIDE	190974376	6.81	7784	-0.239	0.142	0.088	0.141	197.884749	21.918670	1814.24	-2165.76
6	GUIDE	190979840	10.35	7777	0.161	-0.043	0.288	0.442	197.337465	20.846267	-2112.27	-478.27
7	GUIDE	190971944	10.06	7779	0.160	-0.040	0.147	0.259	197.963793	22.064478	2349.49	-2408.60

2.4 Star Slots

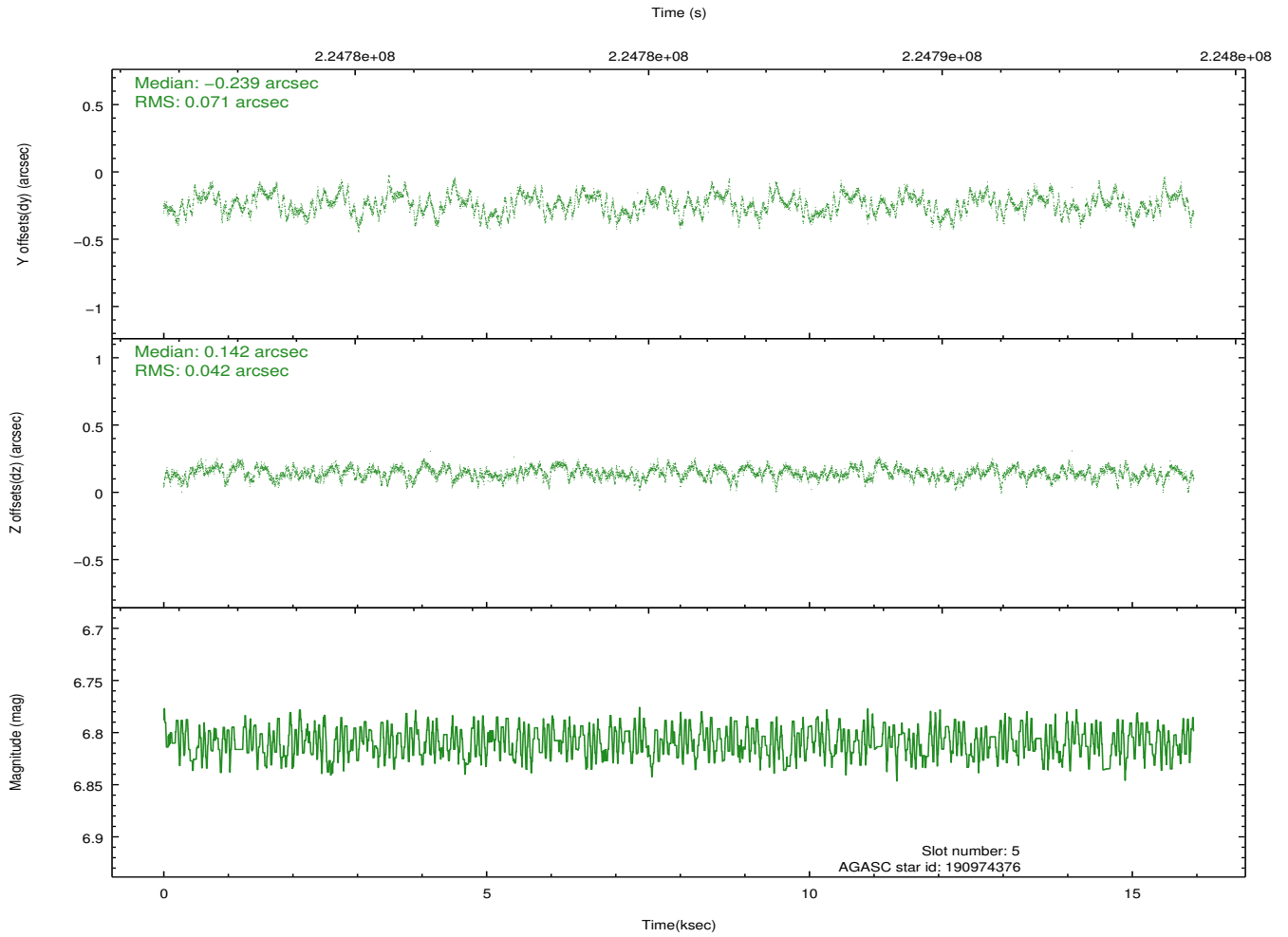
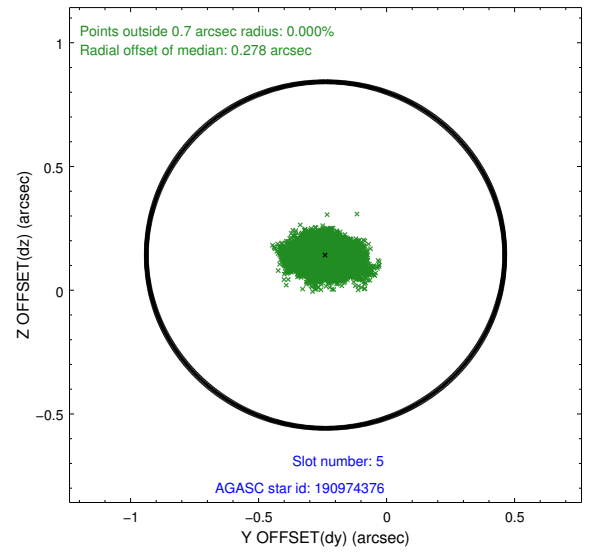
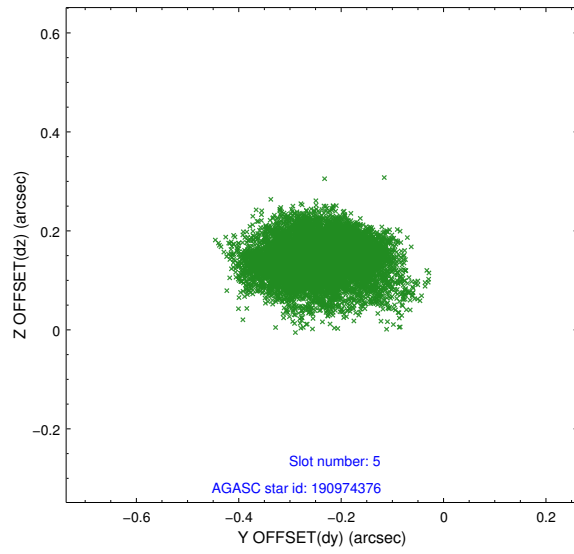
2.4.1 Slot 3



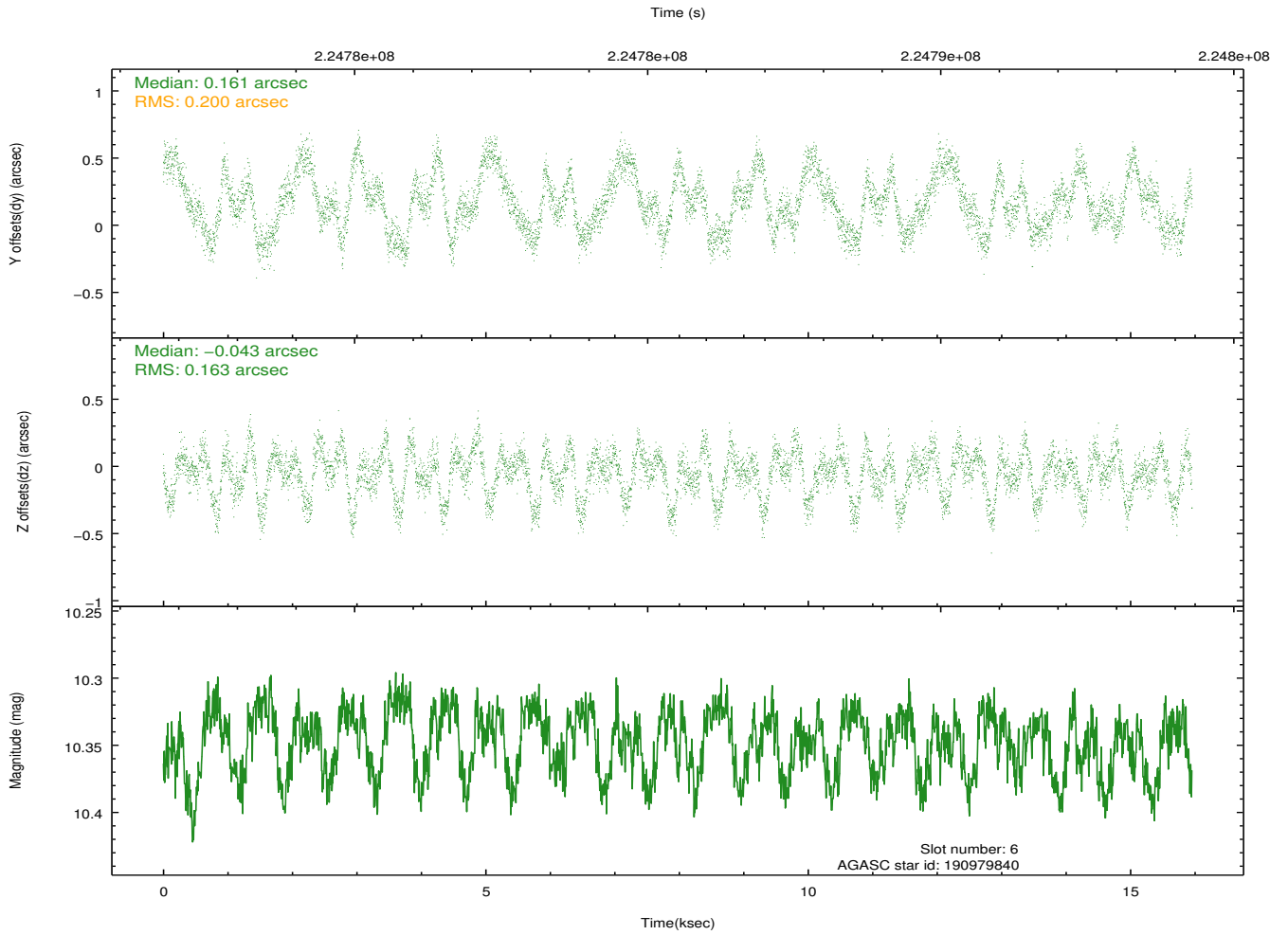
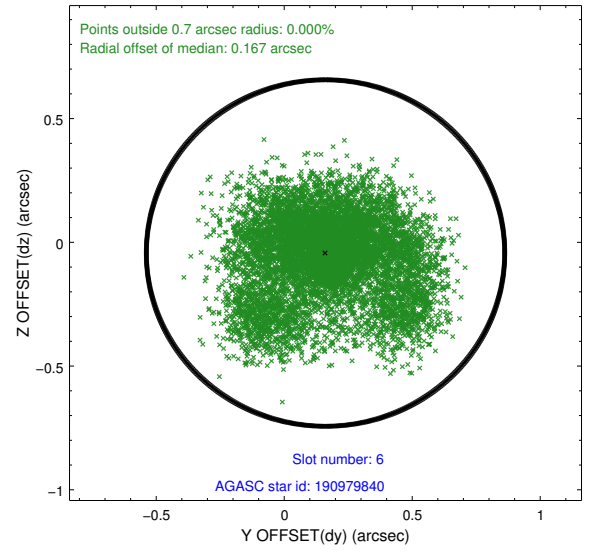
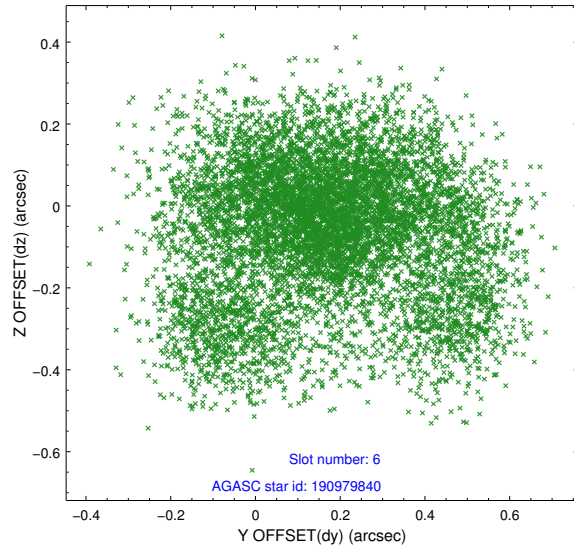
2.4.2 Slot 4



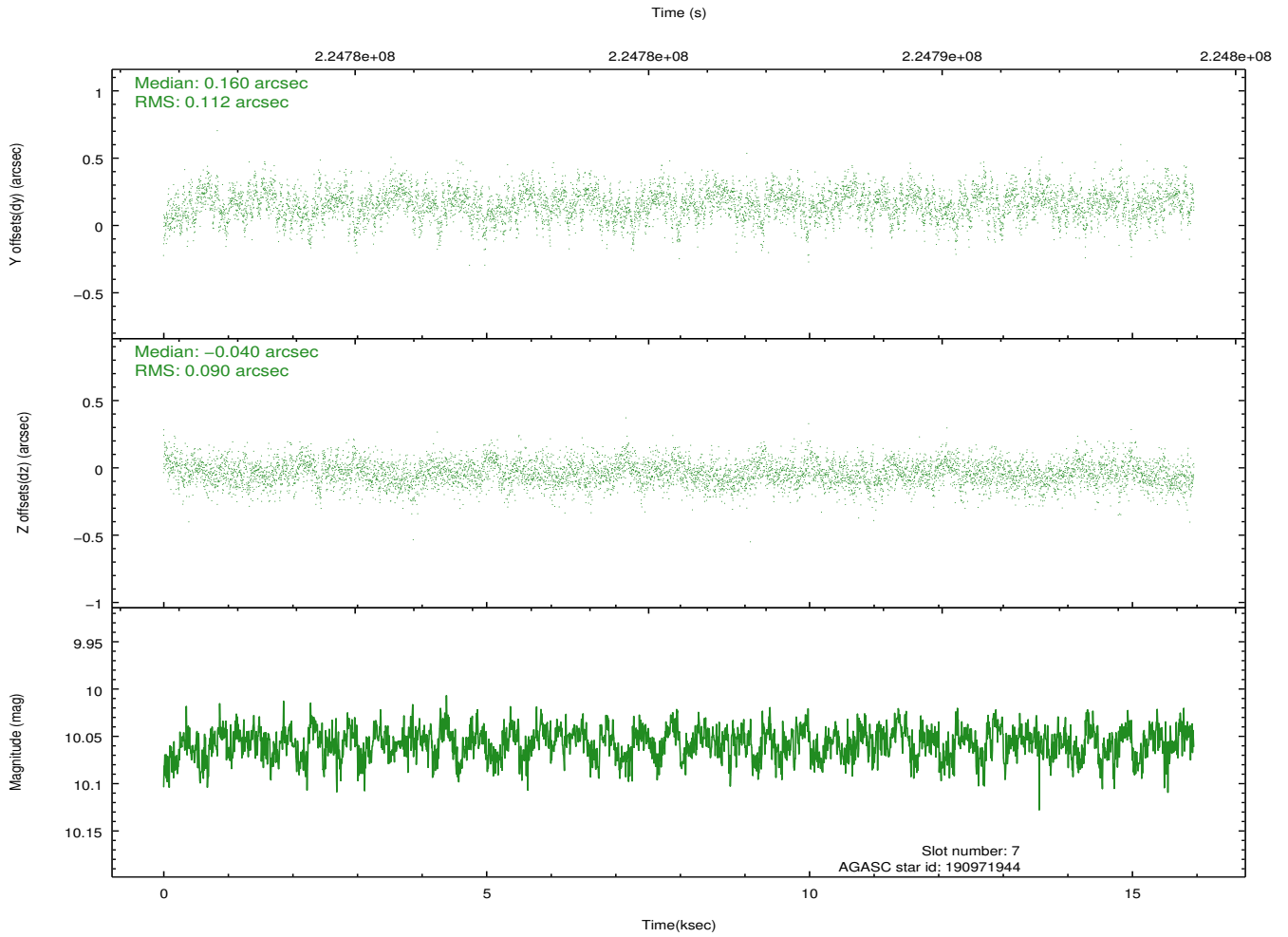
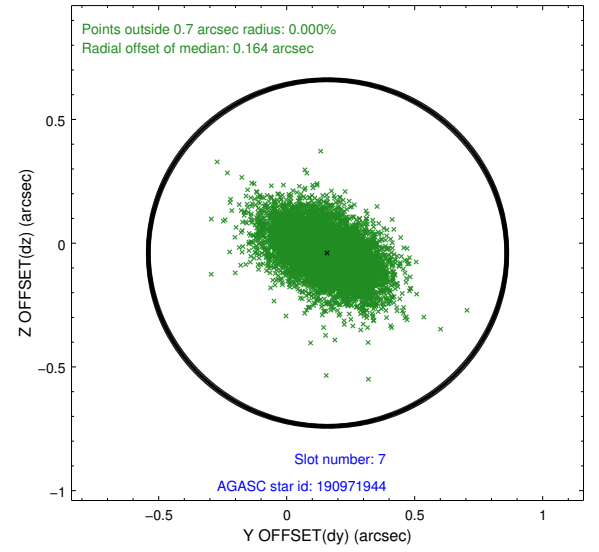
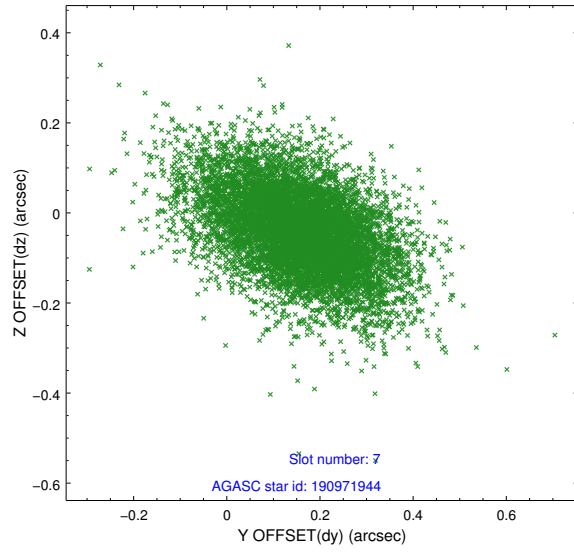
2.4.3 Slot 5



2.4.4 Slot 6

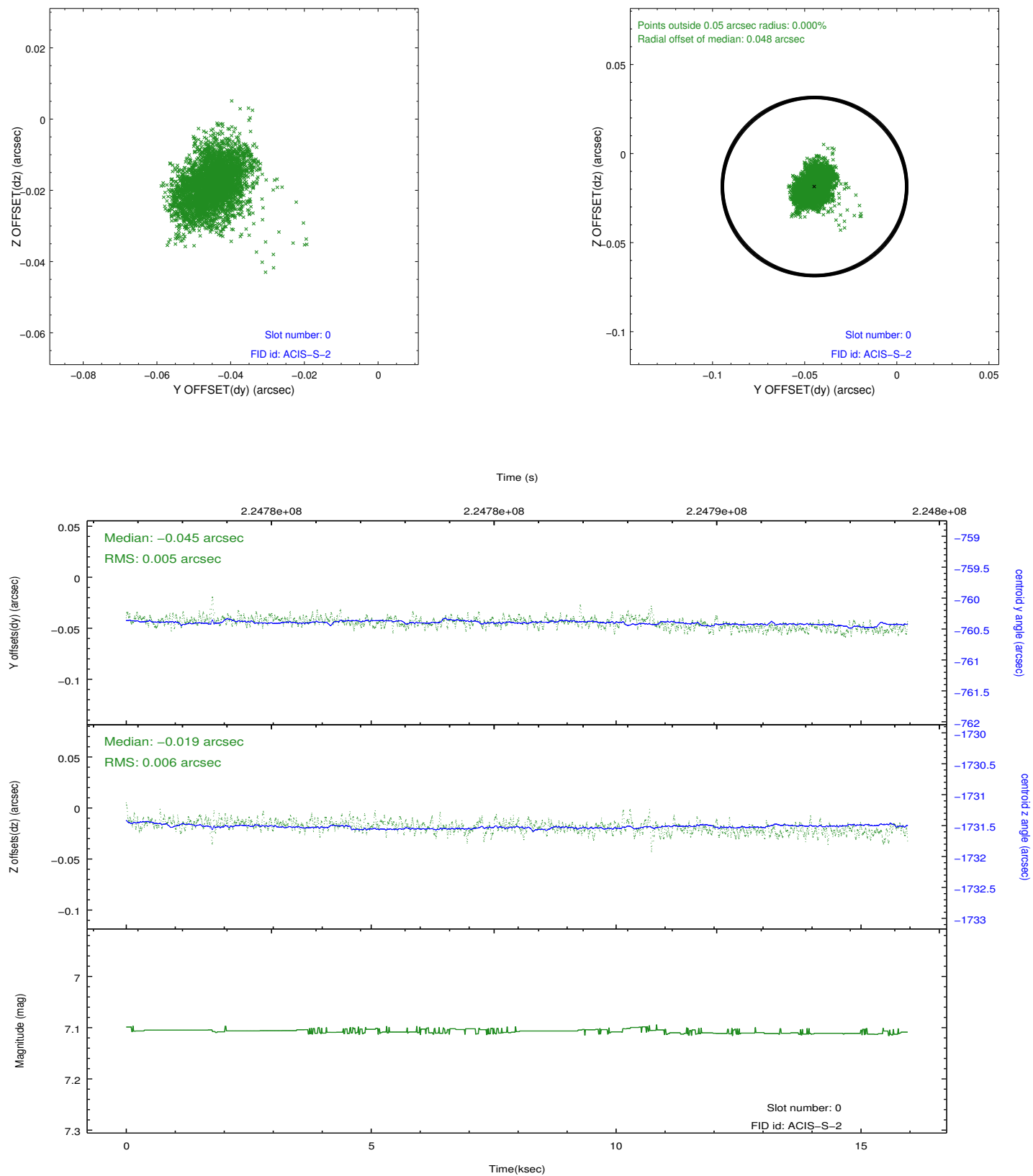


2.4.5 Slot 7

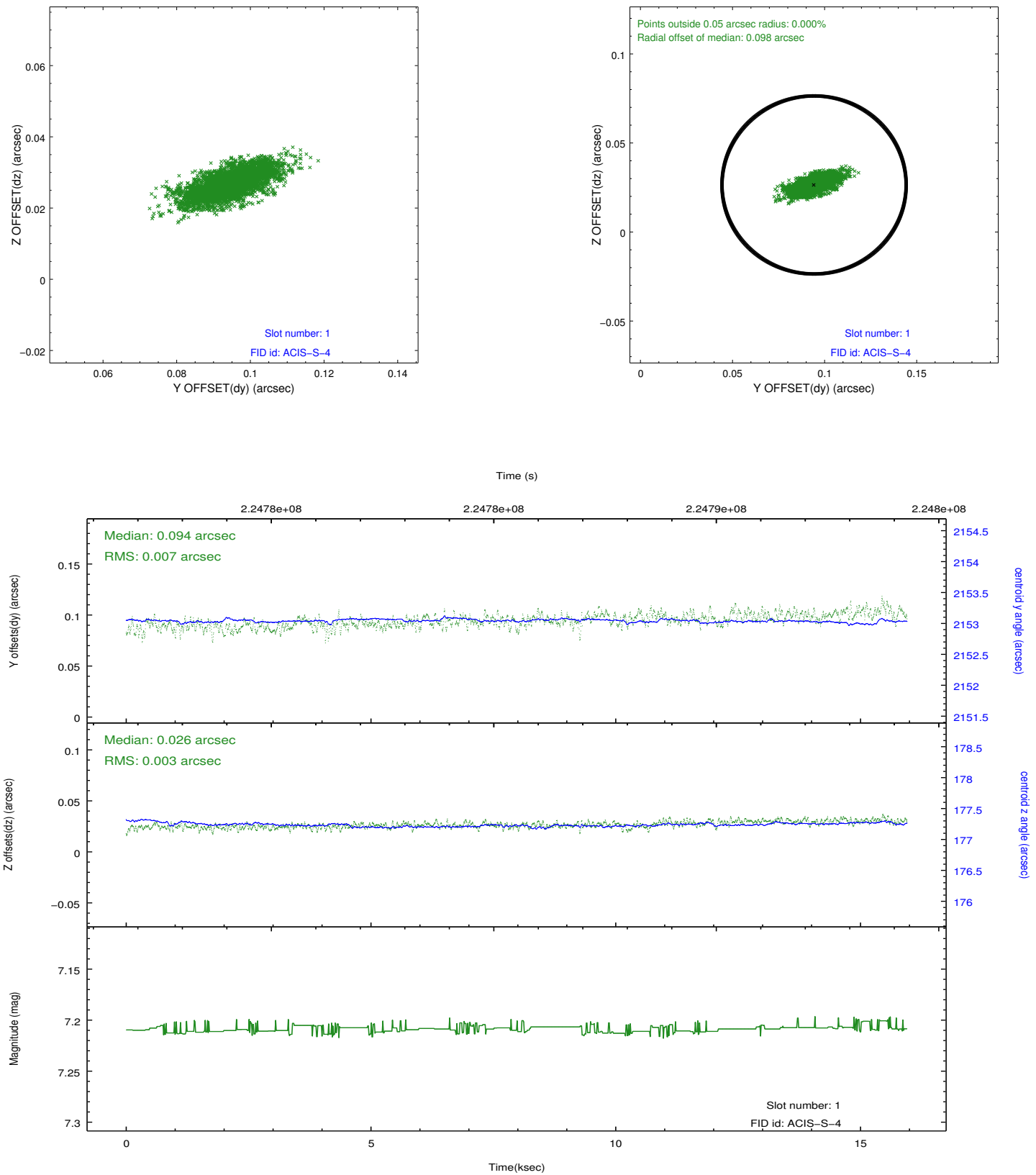


2.5 FID Slots

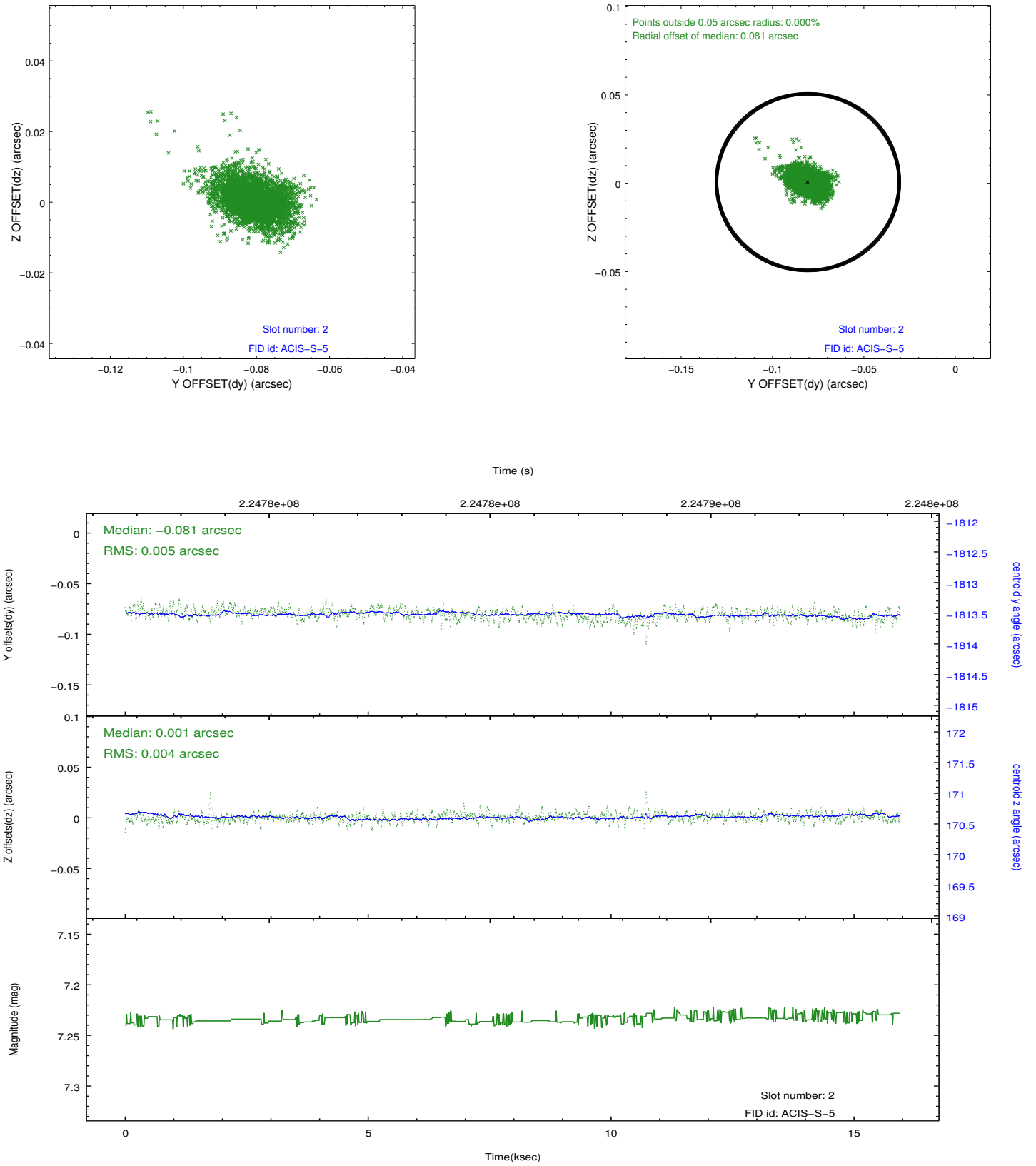
2.5.1 Slot 0



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)	2013.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.95525

A.2 Comments