

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19809 - L2 Version 1
Chandra X-Ray Center

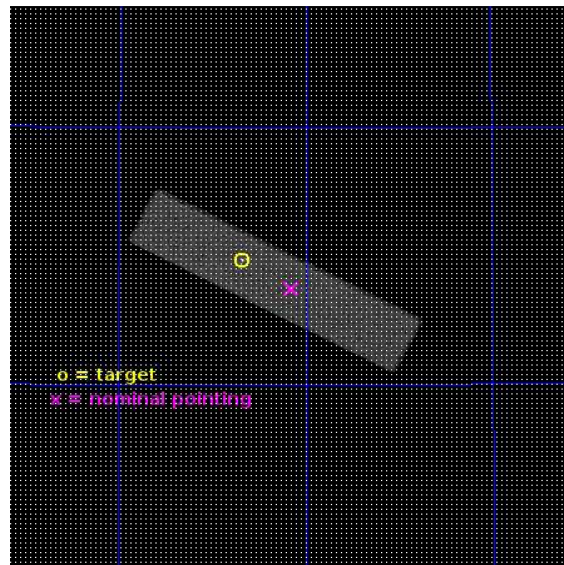
L2 Processing Date : Sep 16 2017

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1 Front

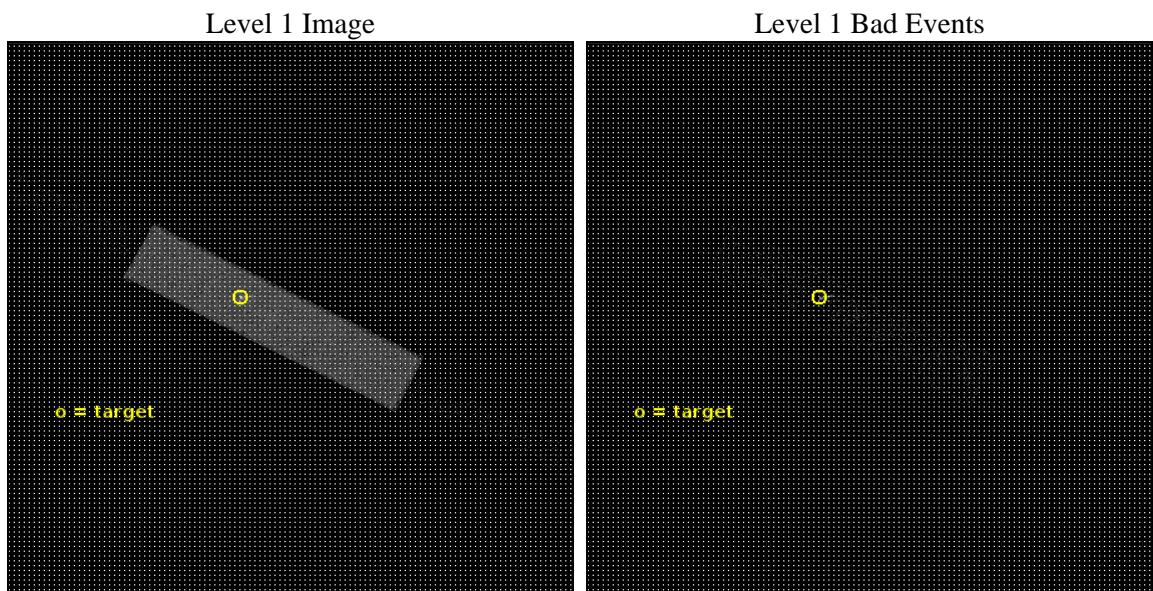
seq_num	291326	Sequence number
obs_id	19809	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.03738149515	Nominal RA [deg]
dec_nom	45.686769901791	Nominal Dec [deg]
roll_nom	207.2511426488	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1175.9313186407	[s]
livetime	1166.4593839292	Ontime multiplied by DTCOR
l2events	74712	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	1175.9313186407	[s]
caldsver	4.7.6	 	l1events	112298	Number of level 1 events
date	2017-09-16T05:01:46	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

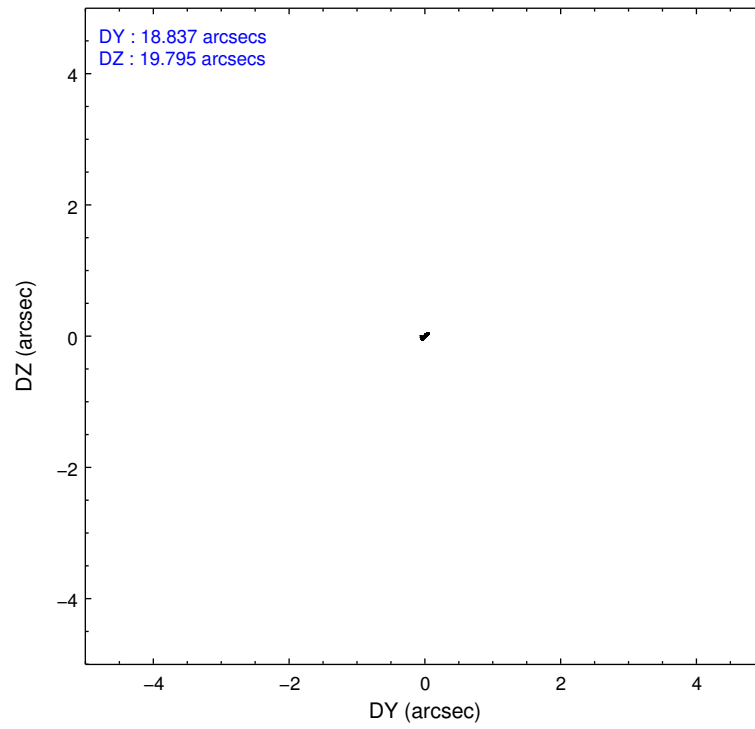
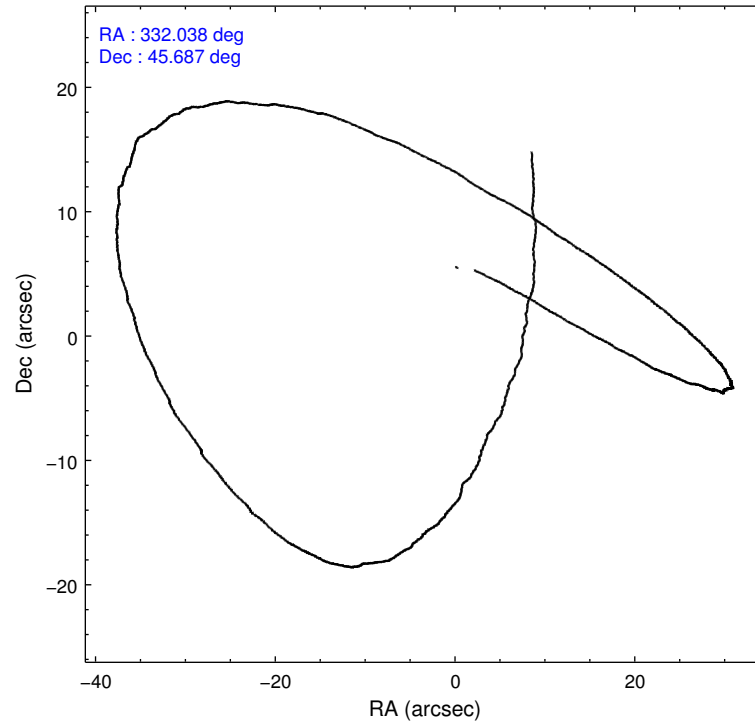
Level 1 Events

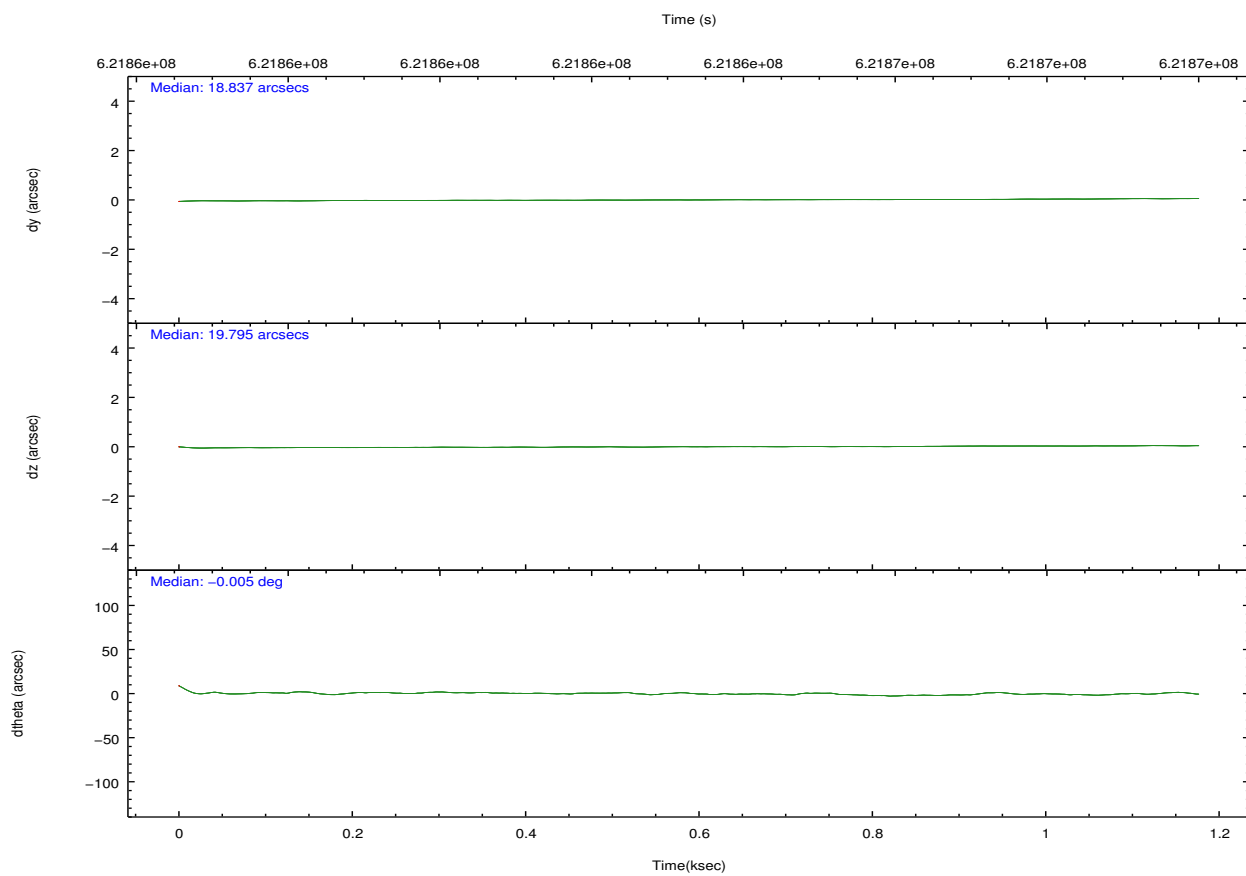
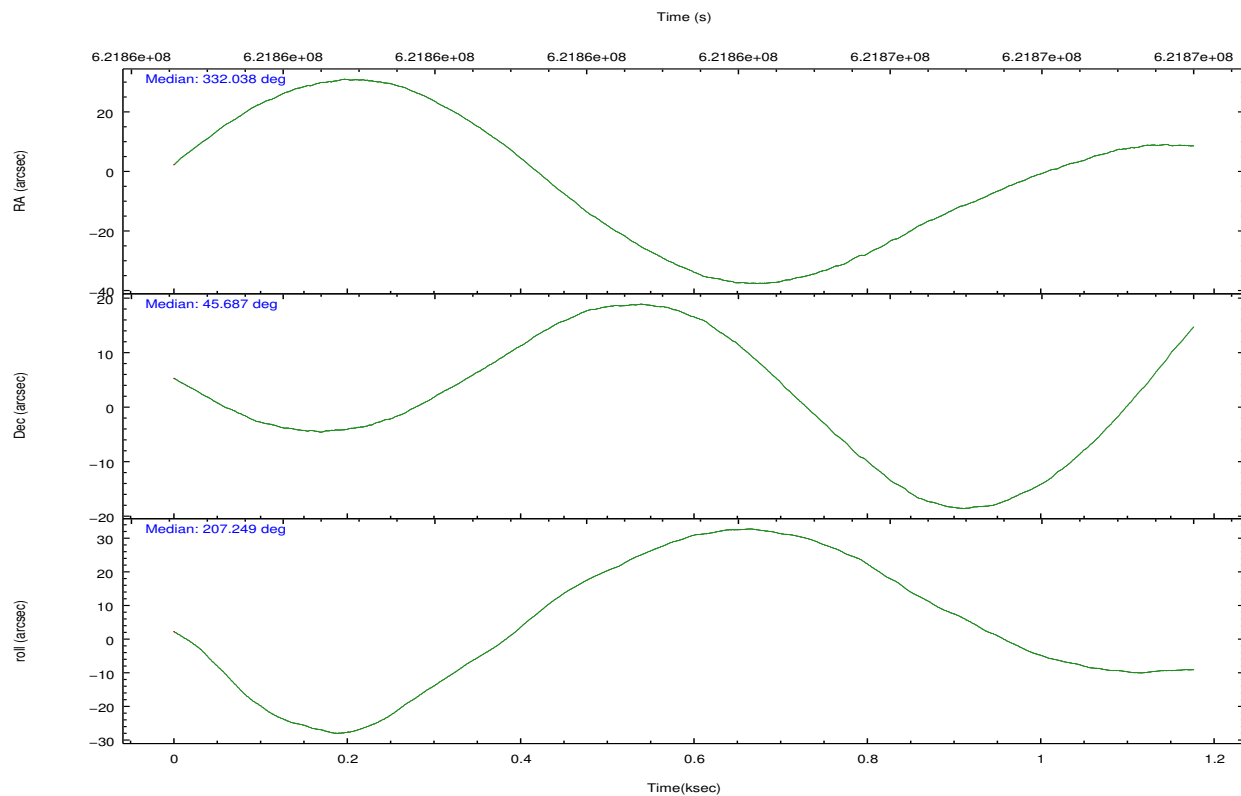
	segment 1	segment 2	segment 3
level 1 events	970	110439	889
rejected events	970	23853	889
rejected %	100%	21%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.056943	332.0373814951491			
[deg] Pointing Dec	45.712746	45.68676990179092			
[deg] Pointing Roll	207.169728	207.2511426488036			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	621864512.184000	621864136.5447299			
Observation start date	2017-09-15T12:07:23	2017-09-15T12:02:16			
[s] Observation end time (MET)	621865512.184000	621865646.36981			
Observation end date	2017-09-15T12:24:03	2017-09-15T12:27:26			

2.3 Aspect



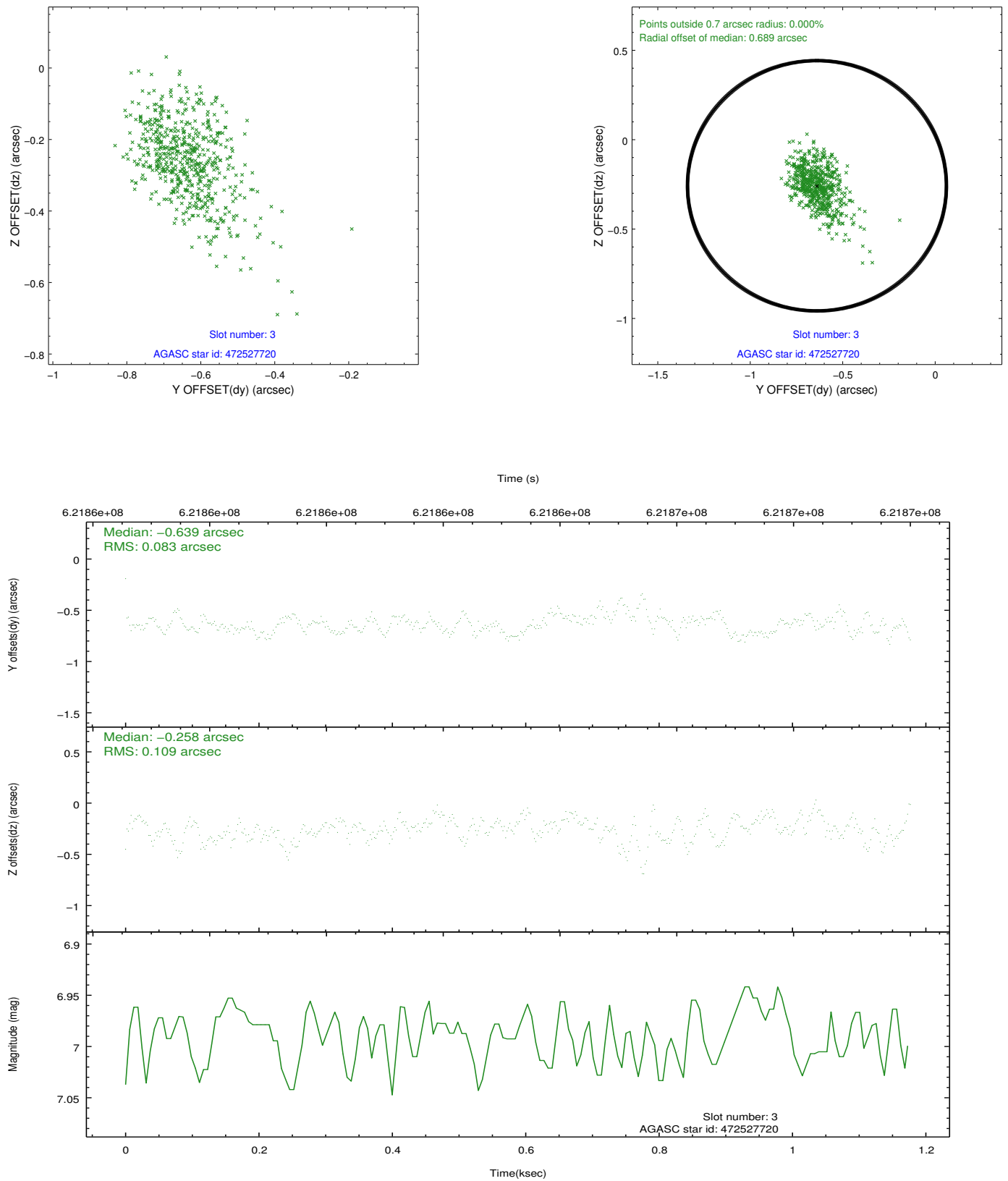


Slot Statistics

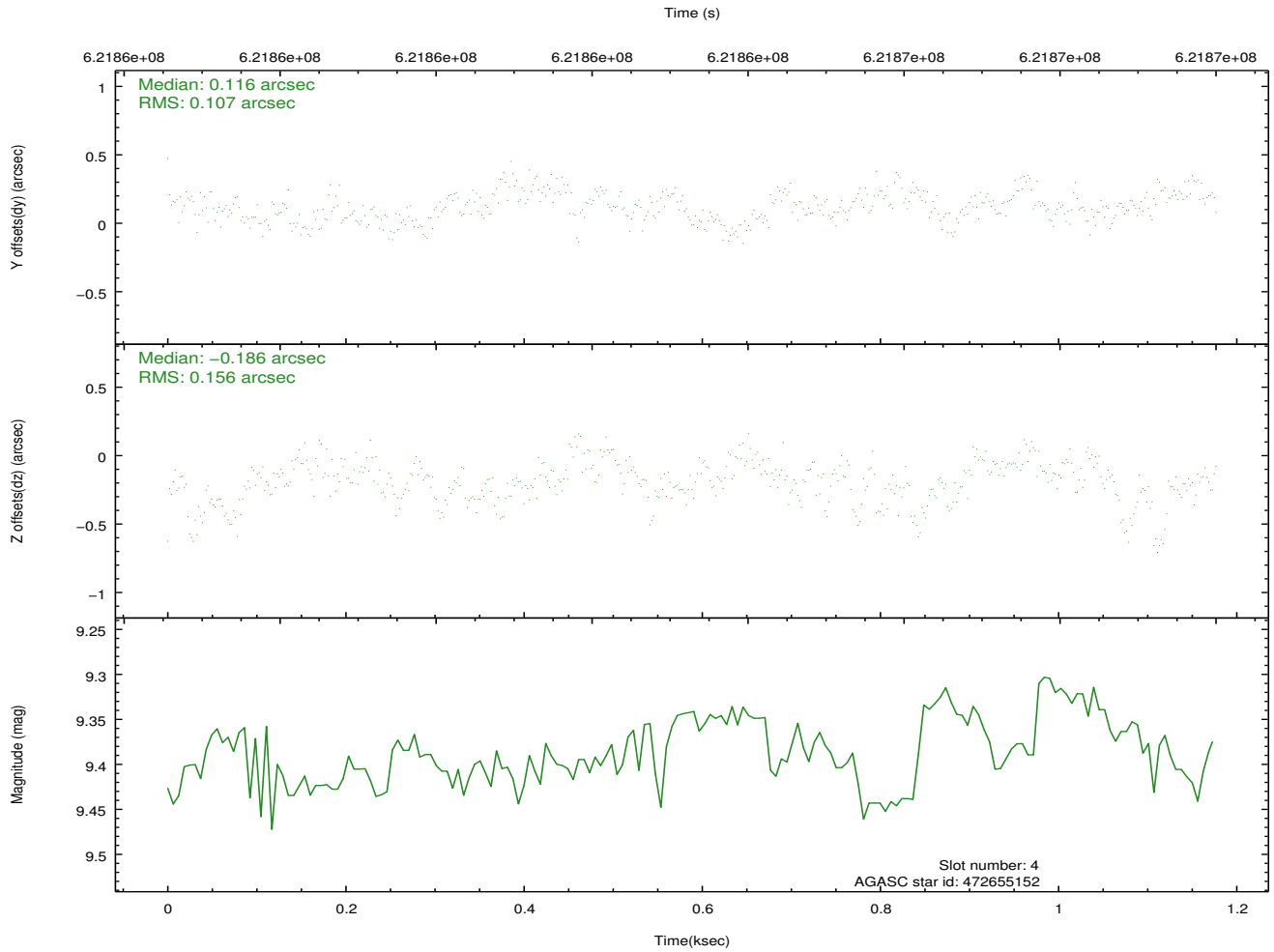
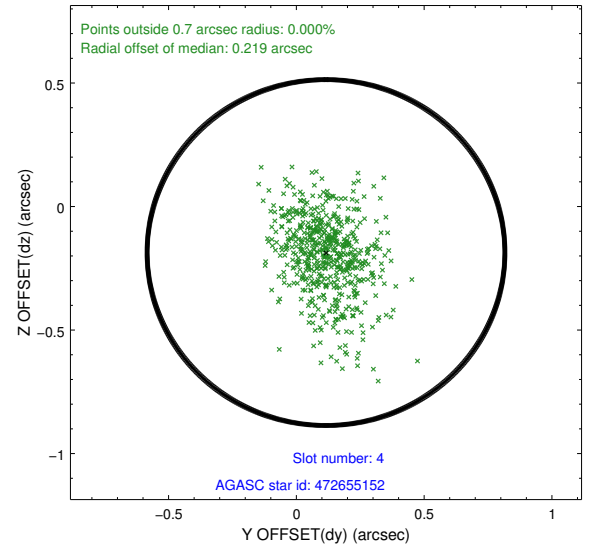
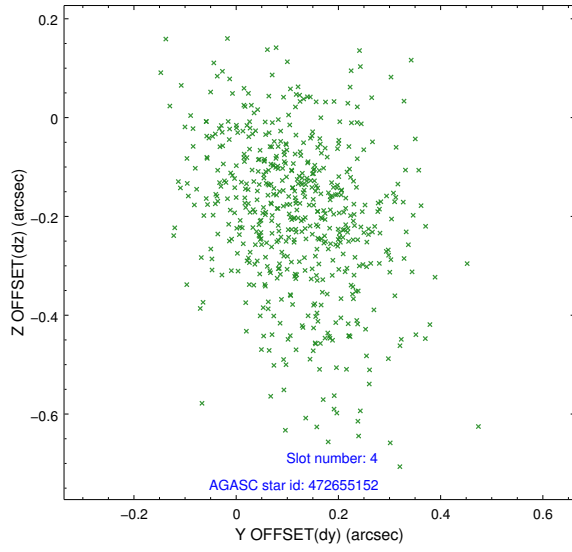
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-2	7.01	288	0.176	-0.251	0.011	0.020	0.000000	0.000000	1226.45	-461.49
1	FID		HRC-S-3	7.03	287	-0.078	-0.081	0.006	0.012	0.000000	0.000000	-1171.94	559.17
2	FID		HRC-S-4	7.01	288	0.307	0.036	0.011	0.023	0.000000	0.000000	1221.06	565.46
3	GUIDE	used	472527720	6.99	575	-0.639	-0.258	0.137	0.244	331.460205	45.112509	2333.51	1220.90
4	GUIDE	used	472655152	9.39	575	0.116	-0.186	0.198	0.345	332.504239	45.862991	-1240.68	26.12
5	GUIDE	used	472523760	8.21	574	-0.094	-0.317	0.123	0.205	331.645363	45.403260	1432.24	509.50
6	GUIDE	used	472533912	9.12	575	0.477	0.312	0.222	0.387	331.791136	46.368695	-487.19	-2406.19
7	GUIDE	used	472659832	9.41	574	0.172	0.448	0.246	0.418	332.780399	46.098139	-2243.48	-424.79

2.4 Star Slots

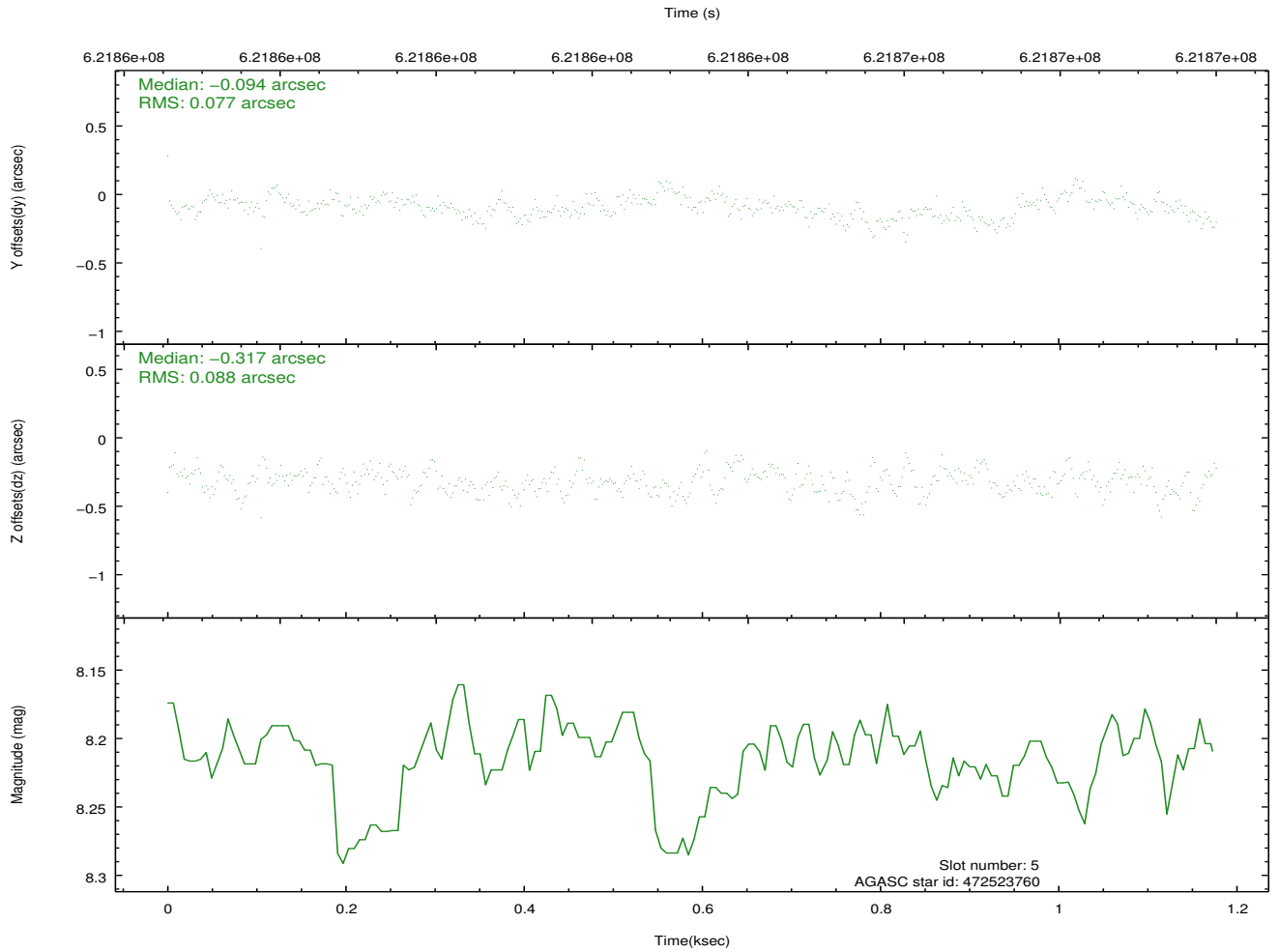
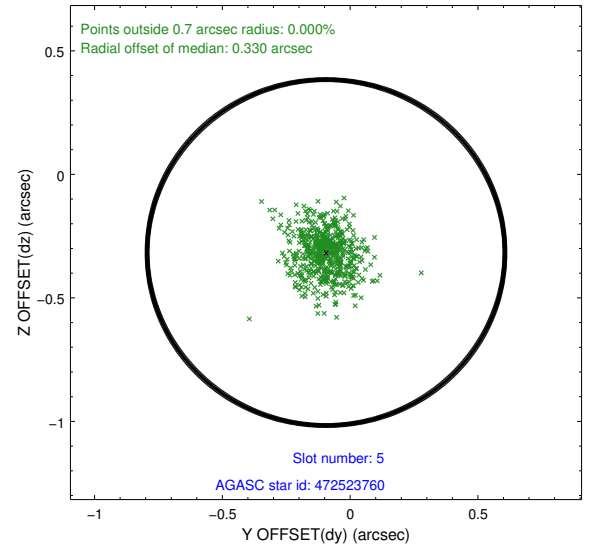
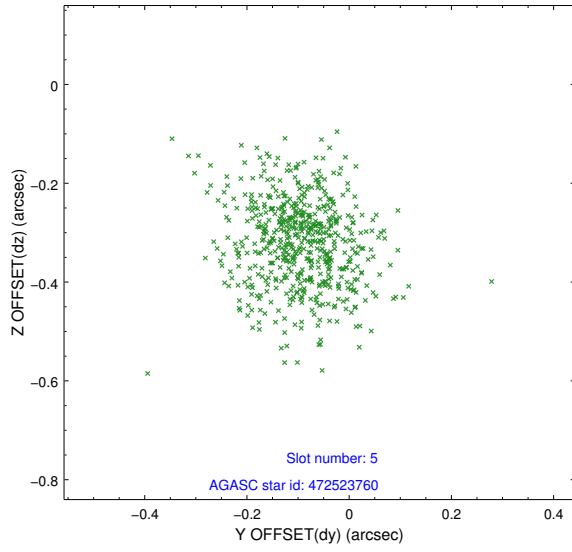
2.4.1 Slot 3



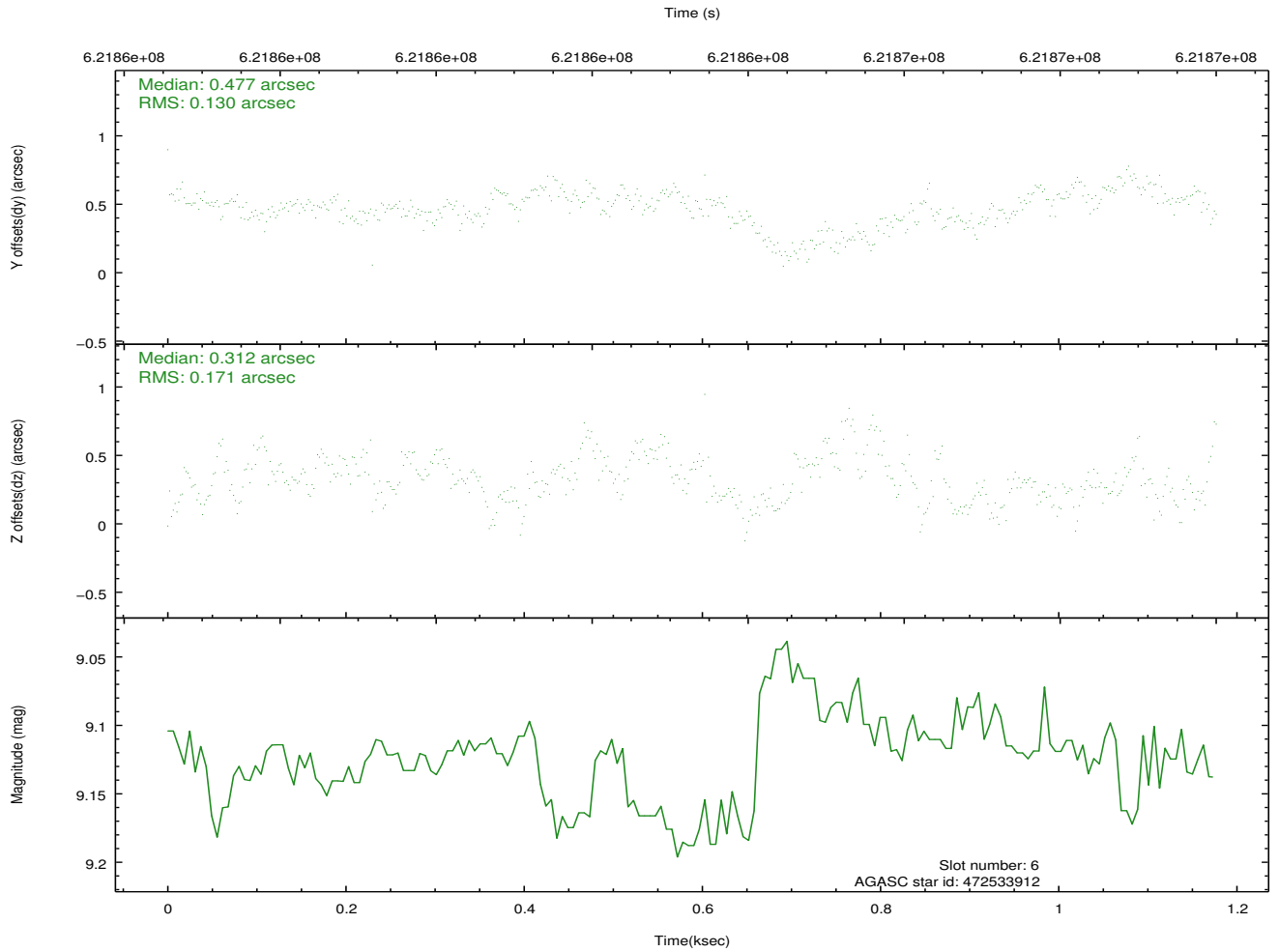
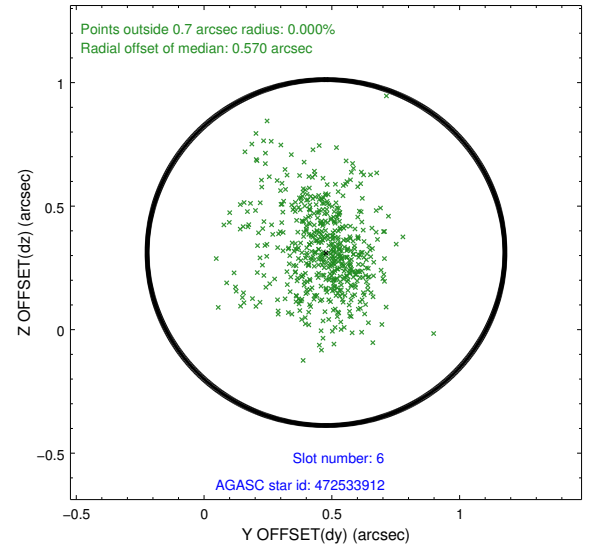
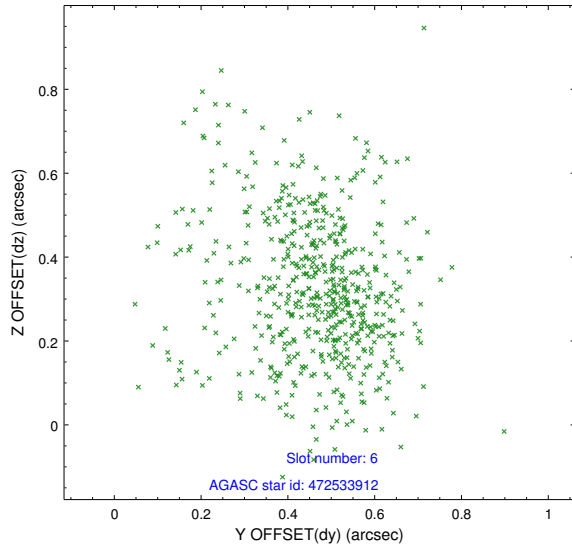
2.4.2 Slot 4



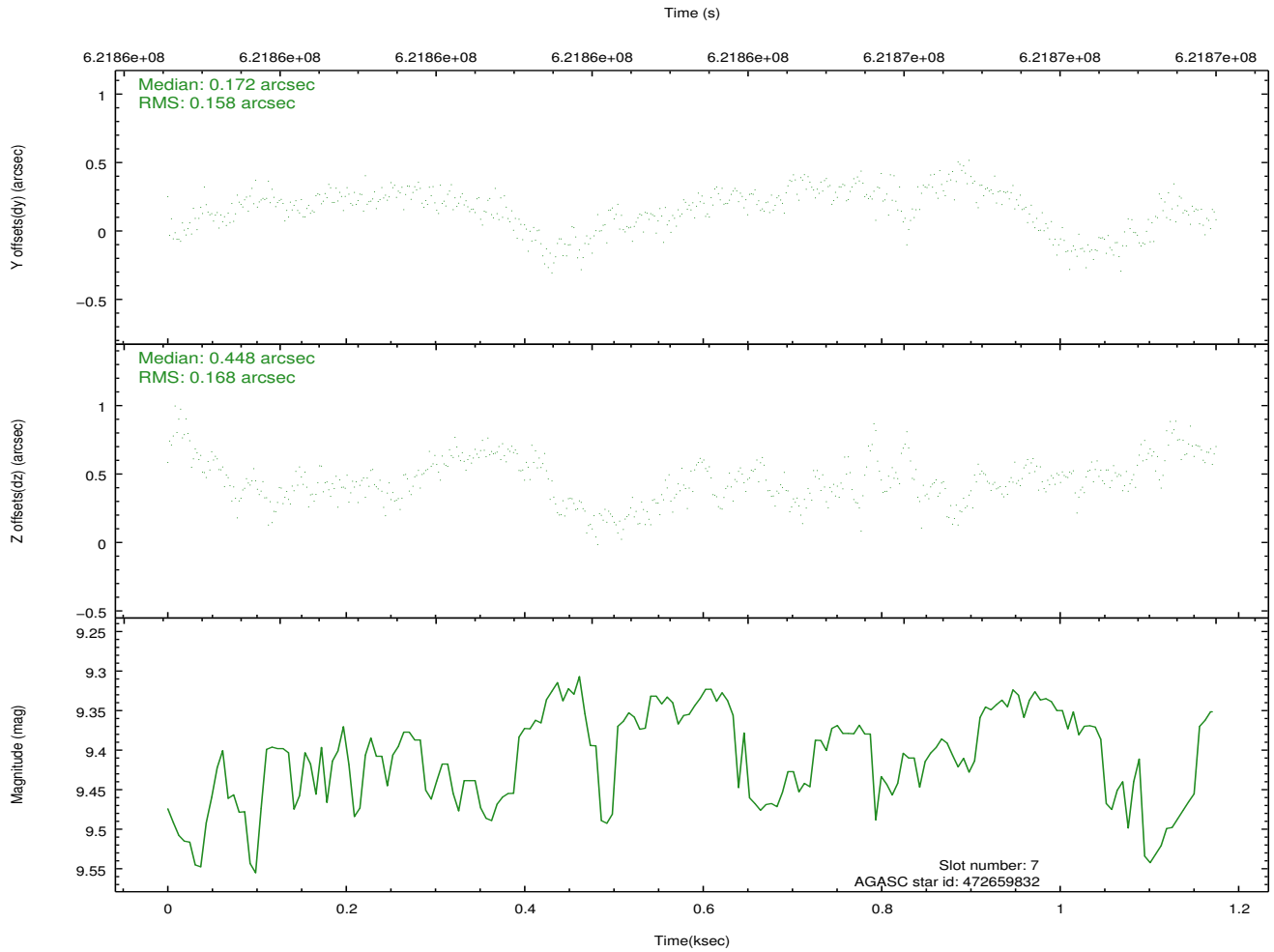
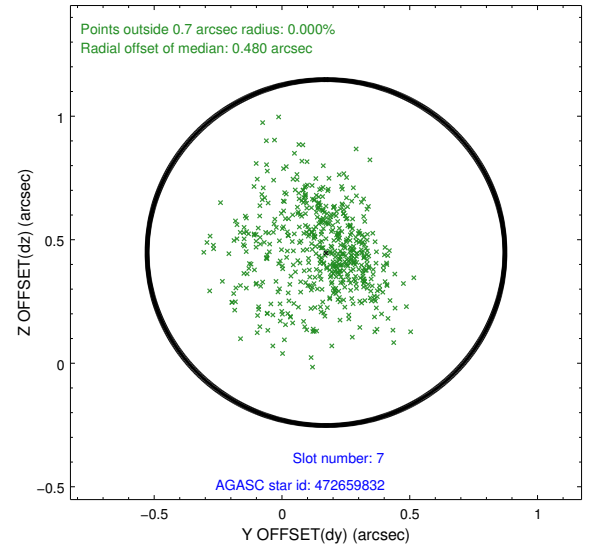
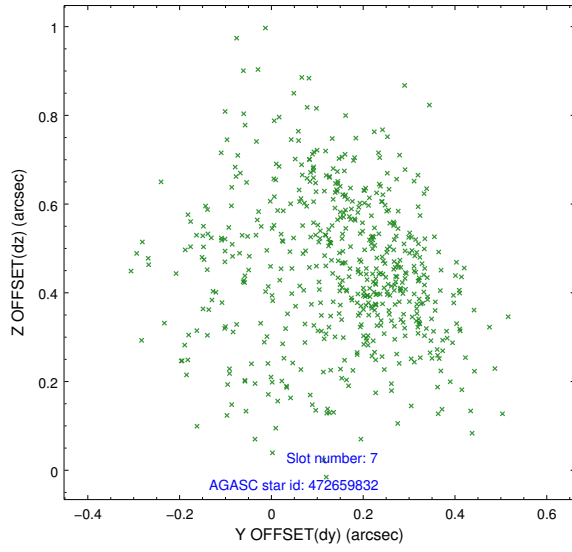
2.4.3 Slot 5



2.4.4 Slot 6

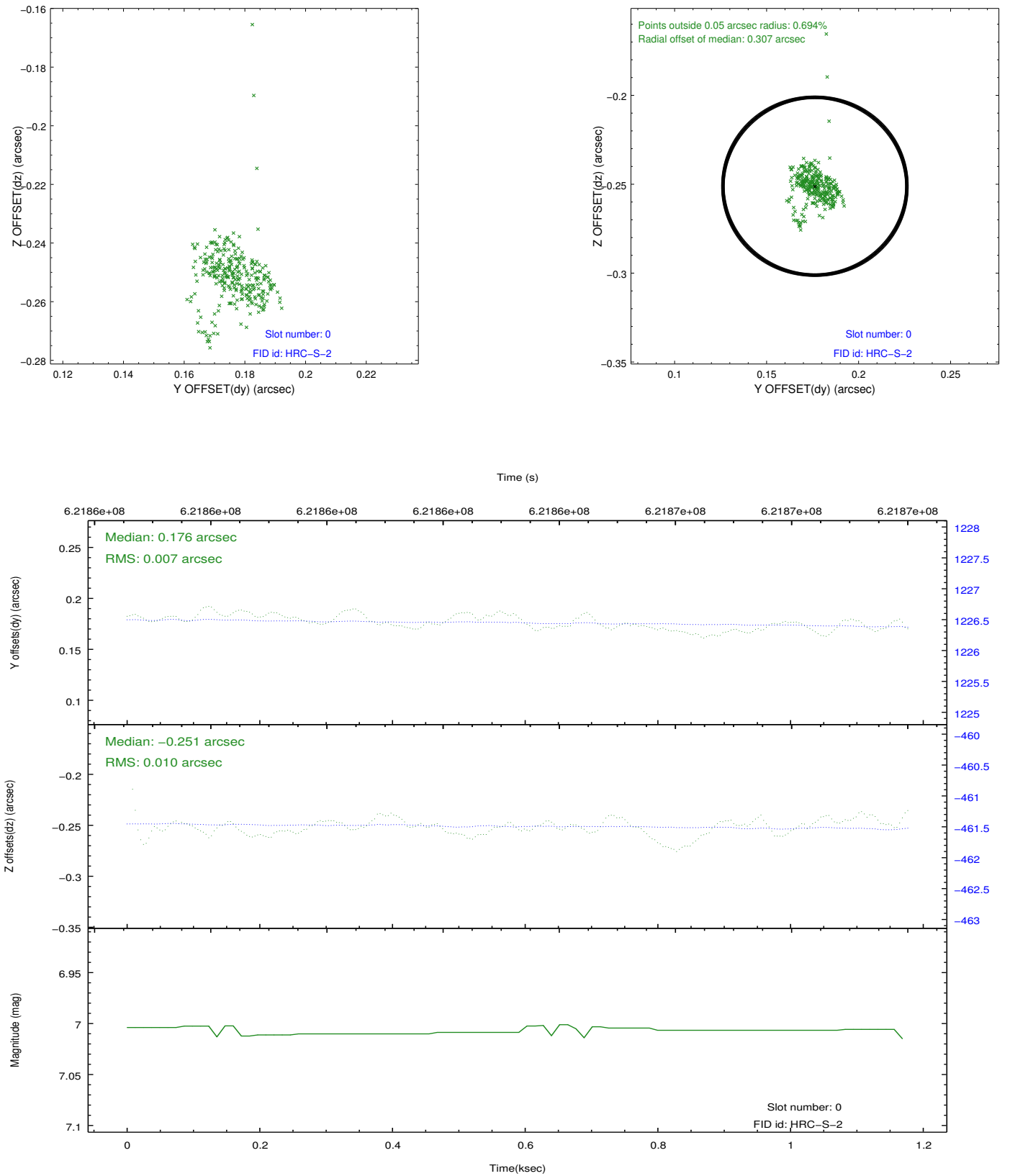


2.4.5 Slot 7

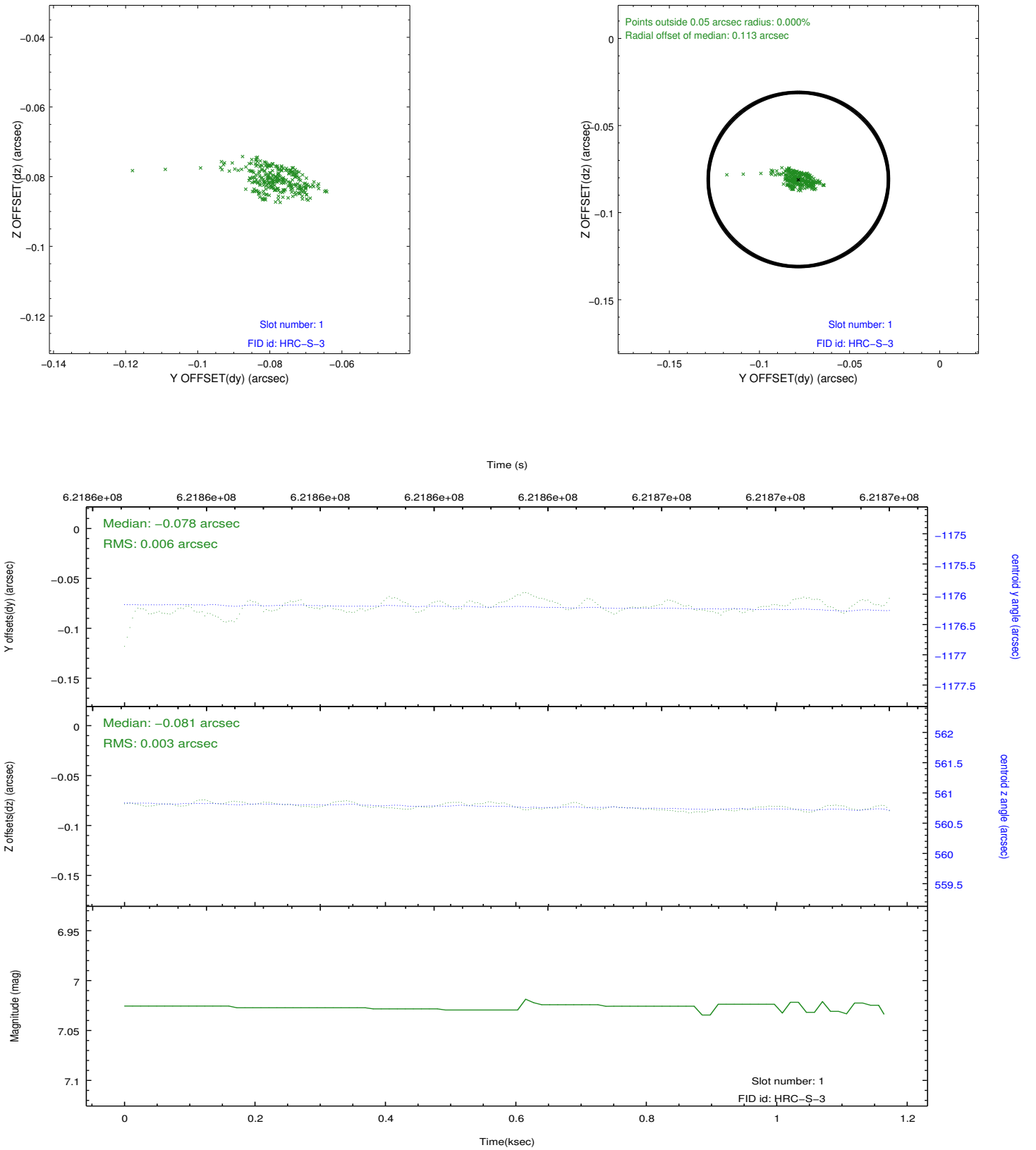


2.5 FID Slots

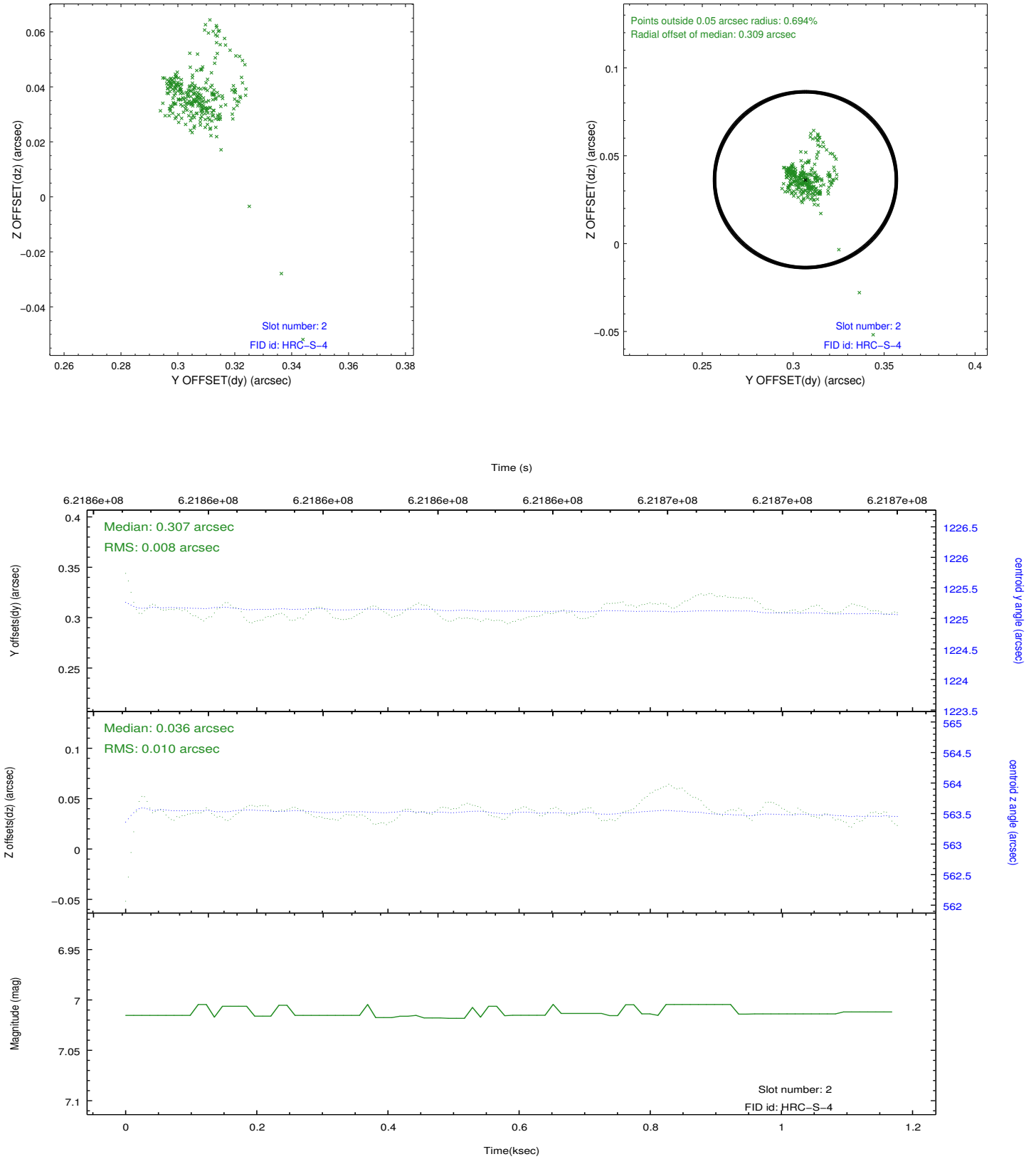
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1759313186407

A.2 Comments