

Test_Output.txt

Reading Data File - TuCas.dat

Time	Val	Sig
1	37937	8.01, 0
2	37937.9	7.55, 0
3	37938.9	8.04, 0
4	37940	7.63, 0
5	37940.7	7.91, 0
6	37940.9	7.9, 0
7	38219.9	7.252, 0
8	38220.8	7.908, 0
9	38220.9	7.926, 0
10	38221.8	7.584, 0
11	38221.9	7.407, 0
12	38225.9	8.052, 0
13	38228.9	7.518, 0
14	38229.9	7.988, 0
15	38231.8	8.011, 0
16	38232.9	7.574, 0
17	38233.8	7.846, 0
18	38234.8	7.689, 0
19	38234.9	7.367, 0
20	38235.9	7.996, 0
21	43015.9	8.05, 0

Auto-Segmentation: segdev = 2, nseg = 4, dtrange = 5563.6, dtavg = 69.545

*** PDM2 PERIOD ANALYSIS ***

N = 80 DOF = 79, 40

Seg:	#	St	N	Tstart	Trange	Mean	s.d.	Bins
1	1	6	37937.00	3.90	7.84	0.20	5/2	
2	7	14	38219.90	16.00	7.72	0.27	5/2	
3	21	26	43015.90	110.80	7.78	0.27	5/2	
4	47	34	43403.80	96.80	7.72	0.24	5/2	

Standard Dev = 0.25381, Variance = 0.0644196, Trange = 110.8

Beta distribution written to sig.csv

--> f_min = 0.00180505, f_max = 4, delf = 0.00180505, nf = 2215

THETA SCAN: F range [0.00180505 -> 4] 5 points/line

SCANNING

Phased data and mean curve written to pdmcurve.csv

Residuals written to residuals.csv

Theta distribution written to theta_dist.csv

Minima:	#	Theta	Frequency	Period	Signif(beta)
1	0.303341	0.467509	2.138996	0.000000	
2	0.394081	0.534296	1.871622	0.000000	
3	0.478660	0.232852	4.294574	0.000000	

Auto-Segmentation: segdev = 500, nseg = 1, dtrange = 5563.6, dtavg = 69.545

*** PDM2 PERIOD ANALYSIS ***

N = 80 DOF = 79, 70

Seg:	#	St	N	Tstart	Trange	Mean	s.d.	Bins
1	1	80	37937.00	5563.60	7.75	0.25	5/2	

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Standard Dev = 0.251737, Variance = 0.0633713, Trange = 5563.6

Beta distribution written to sig.csv

--> f_min = 0.457509, f_max = 0.477509, delf = 1.7974e-006, nf = 11128

THETA SCAN: F range [0.457509 -> 0.477509] 100 points/line

SCANNING

Phased data and mean curve written to pdmcurve.csv

Residuals written to residuals.csv

Theta distribution written to theta_dist.csv

Minima: #	Theta	Frequency	Period	Signif(beta)
1	0.272470	0.467436	2.139330	0.000000
2	0.275914	0.467619	2.138491	0.000000
3	0.291197	0.467623	2.138475	0.000000

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