

B1642-03

drift scan measurements

February 23rd to April 4th 2018

30 minutes recording time

by OE5JFL

7,3m diameter offset dish (homemade)

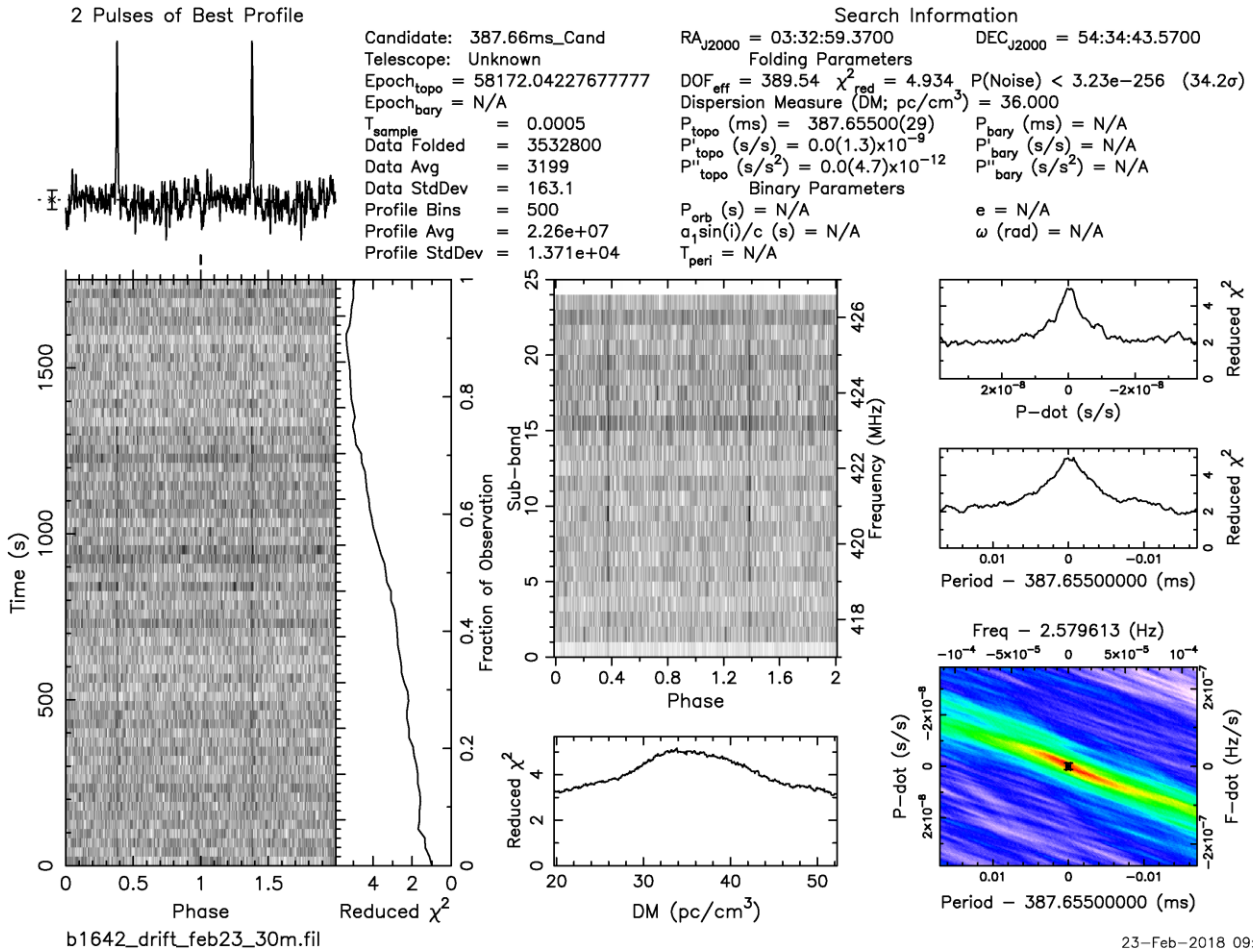
Fixed position: Az 109°, El 12°

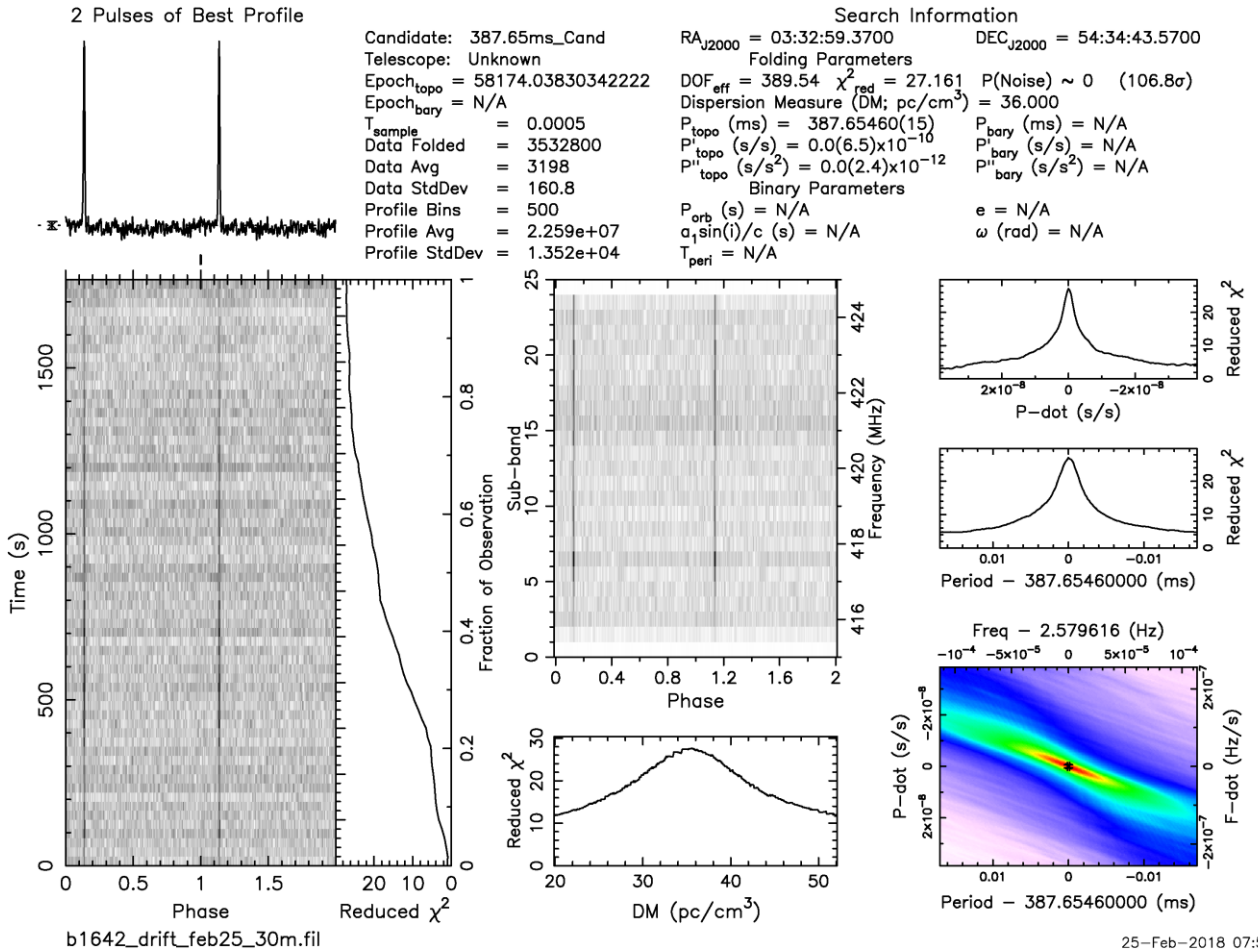
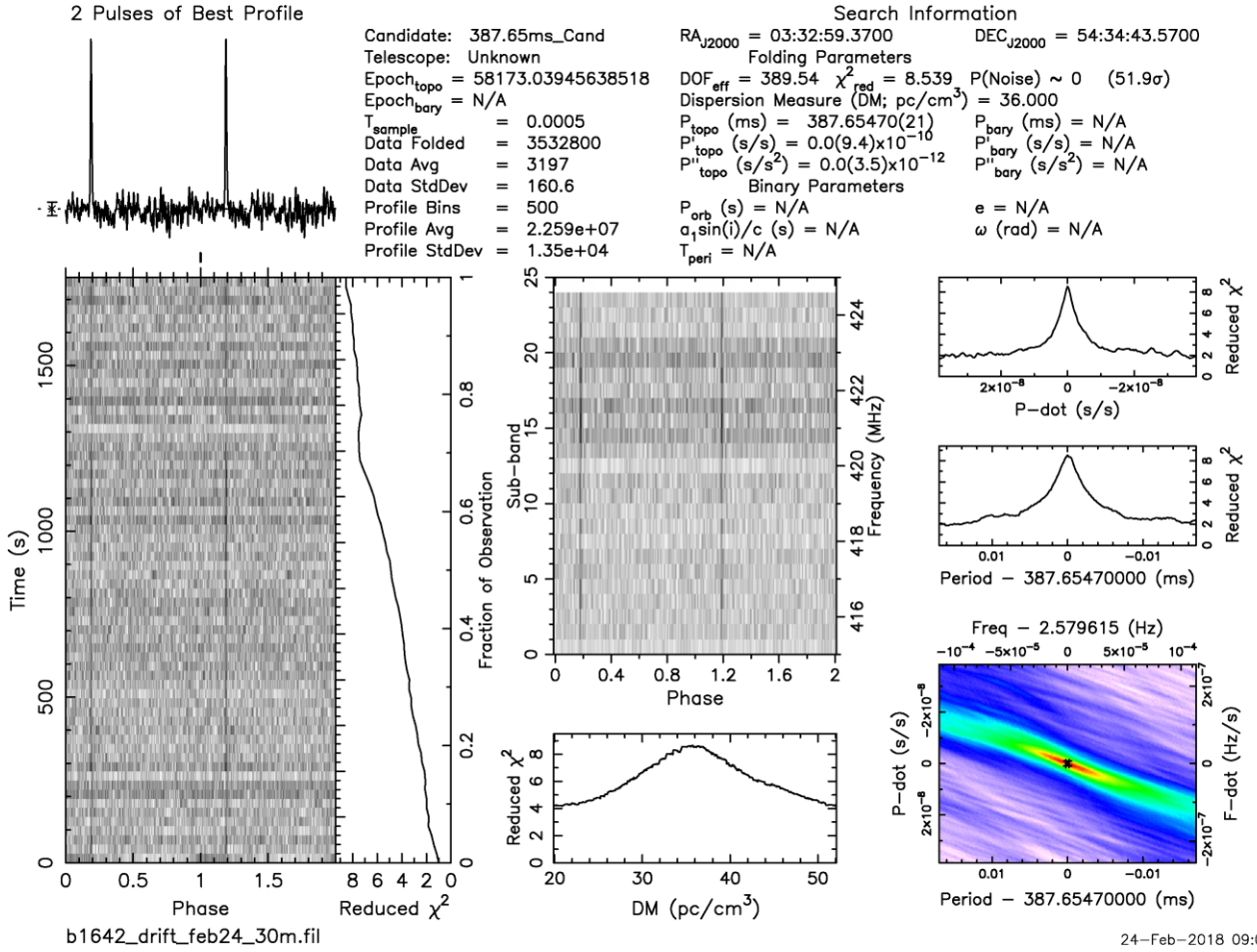
2-stage preamplifier

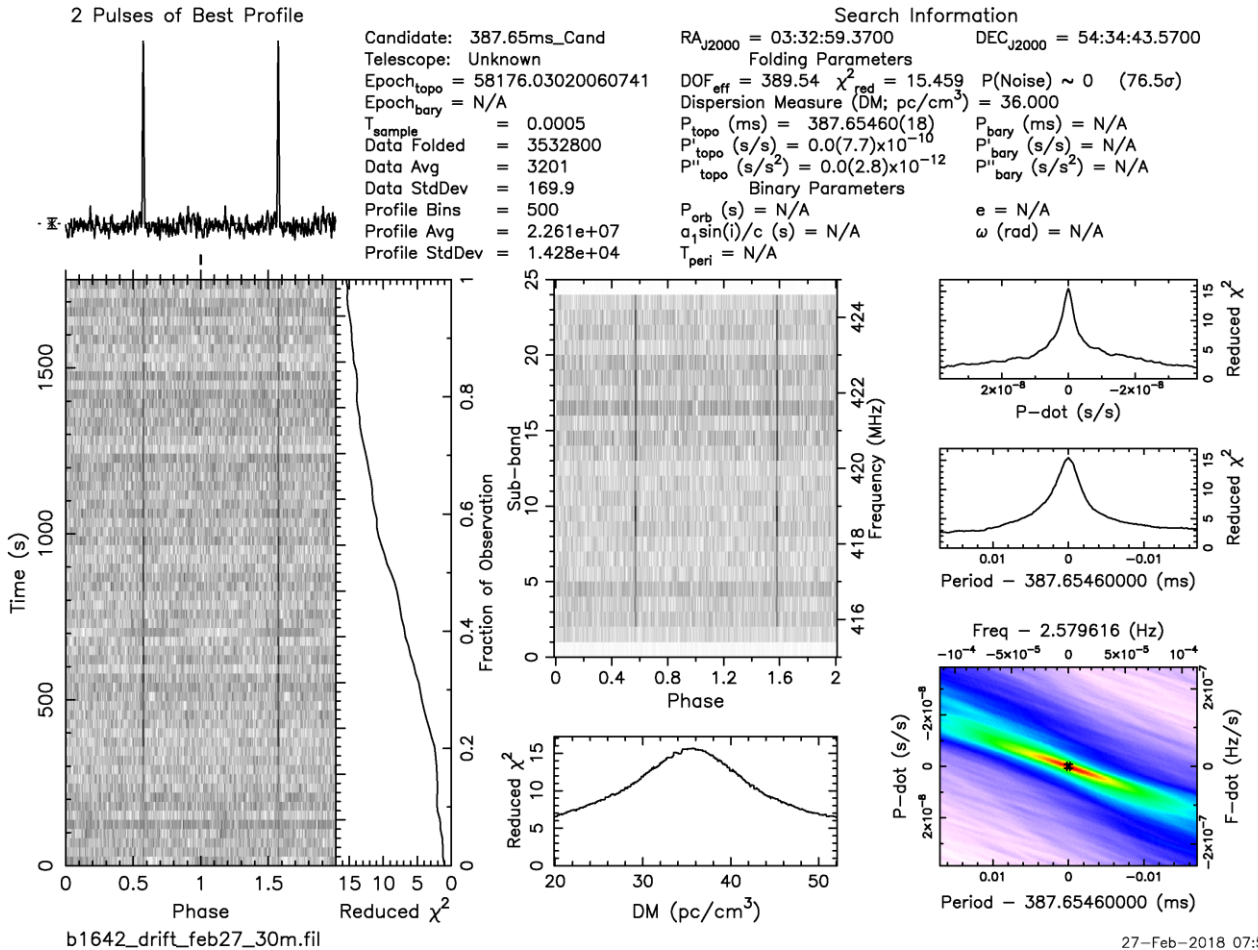
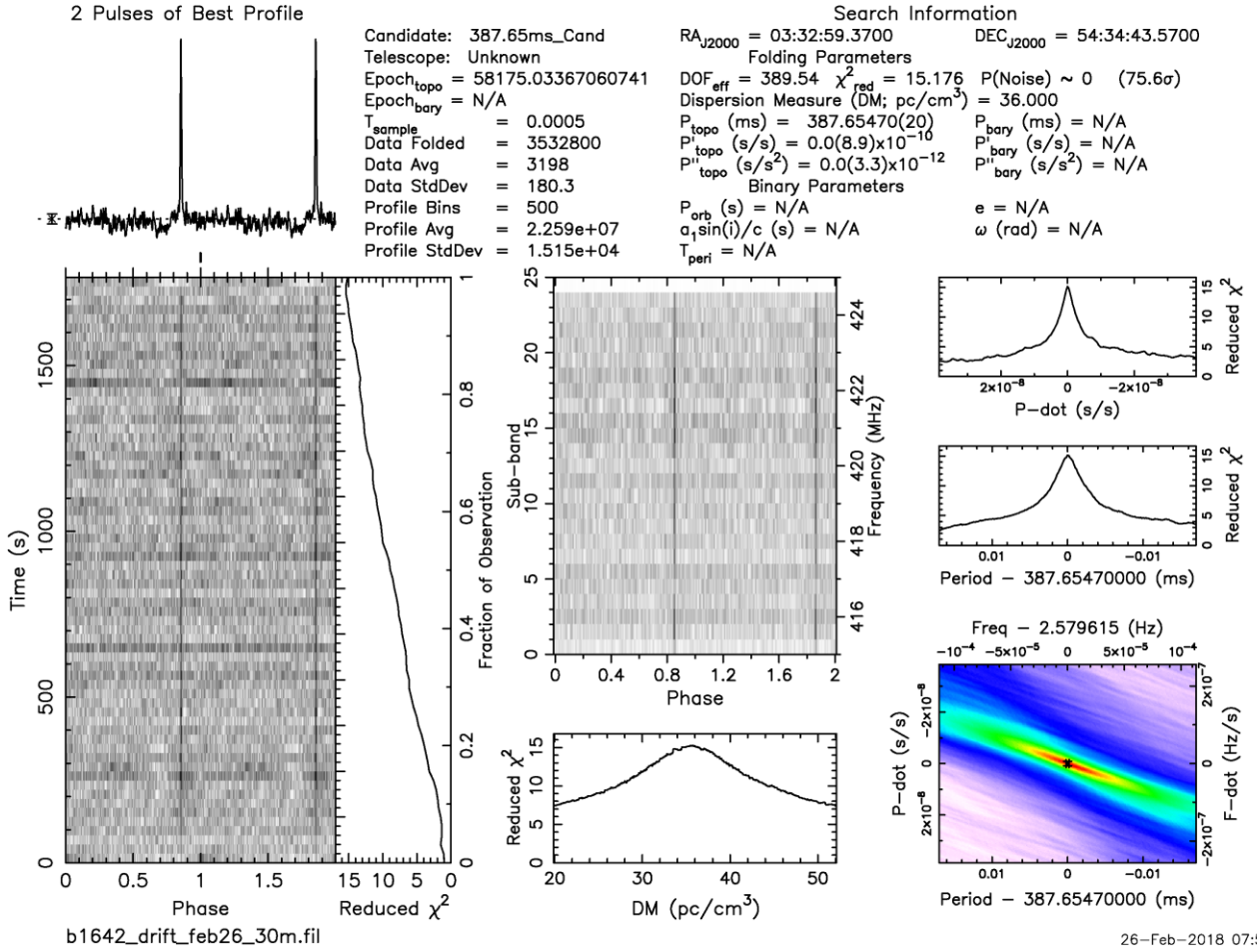
4-pole interdigital filter

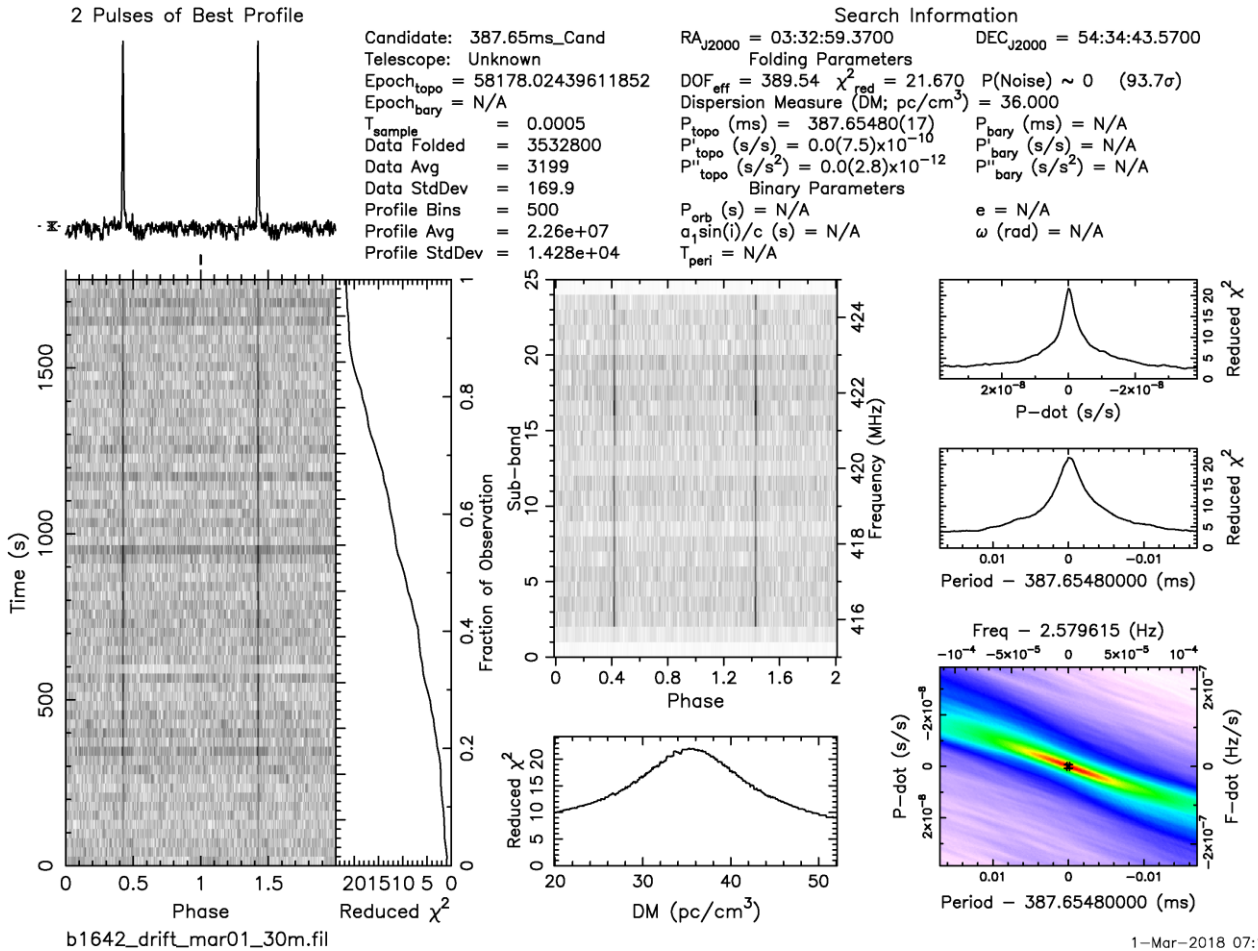
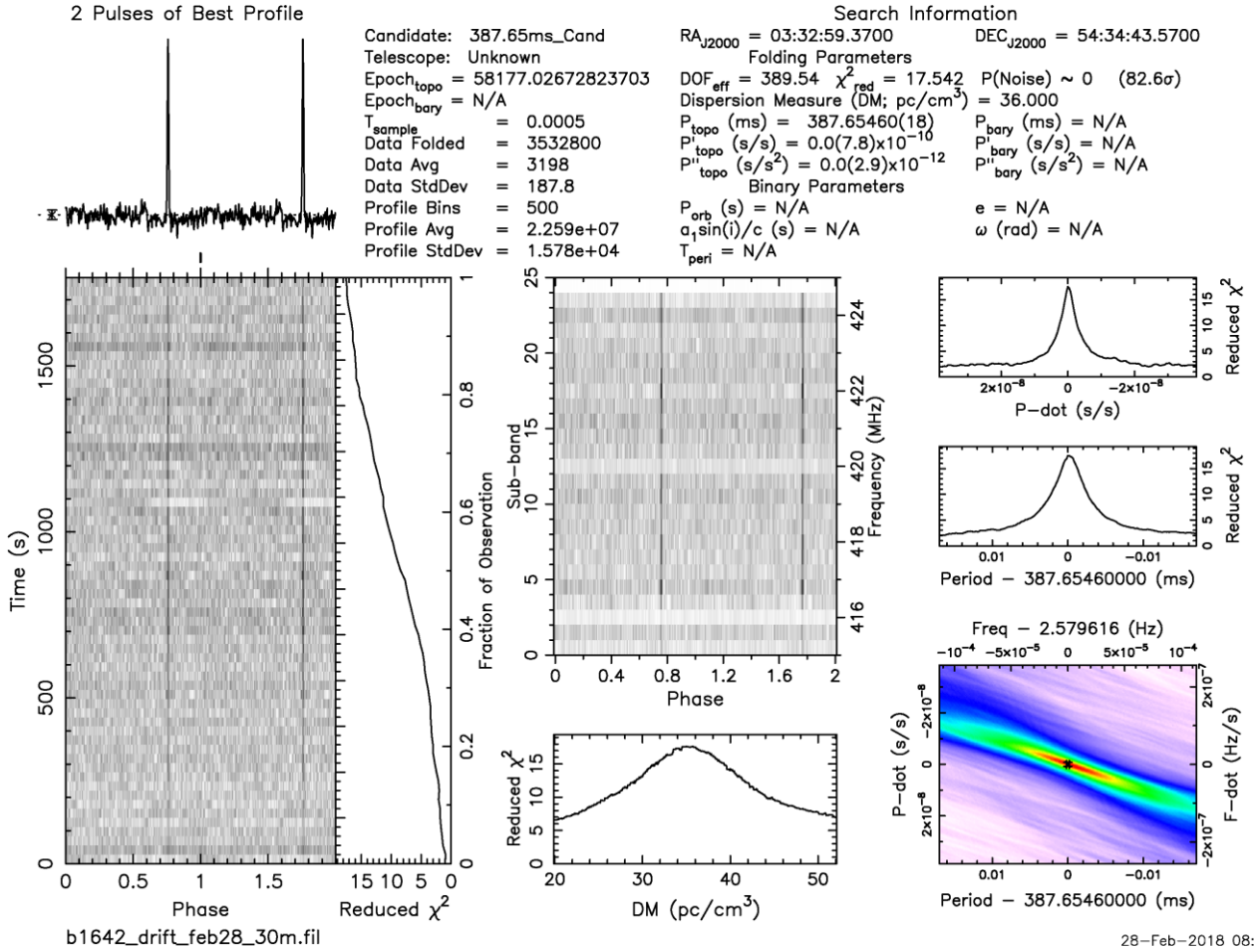
Airspy SDR (420 MHz, 10 MHz bandwidth)

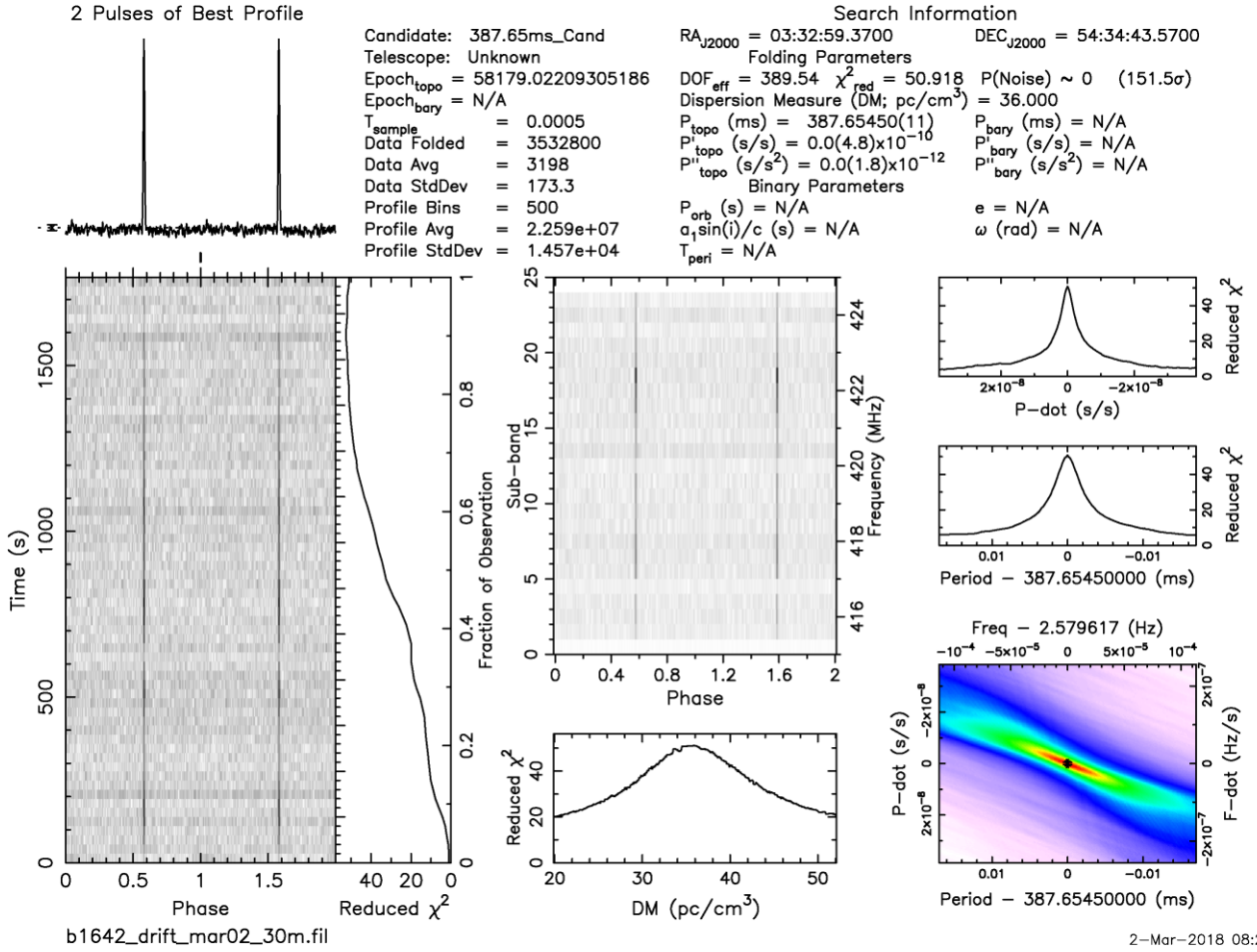
Software: IW5BHY, Presto



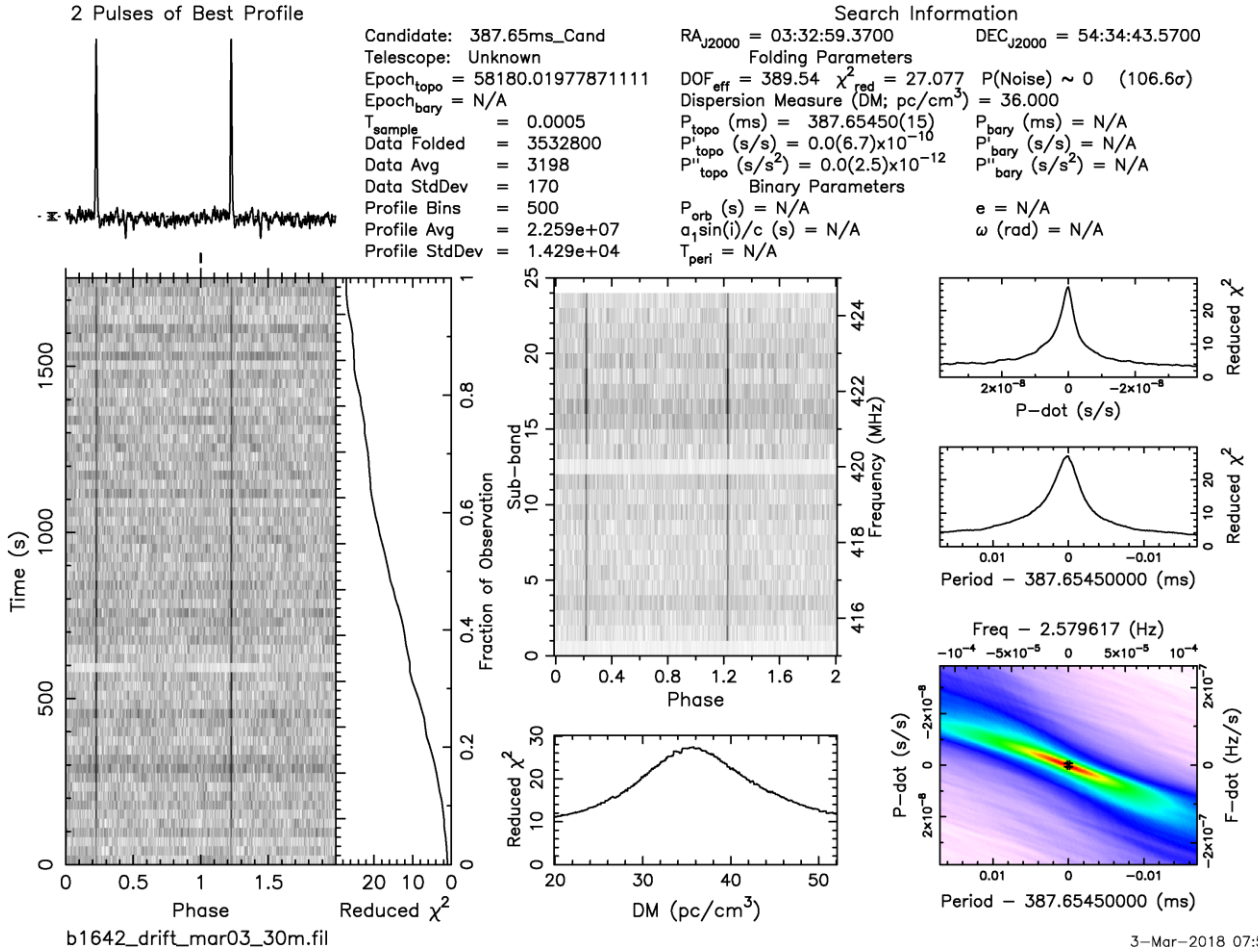




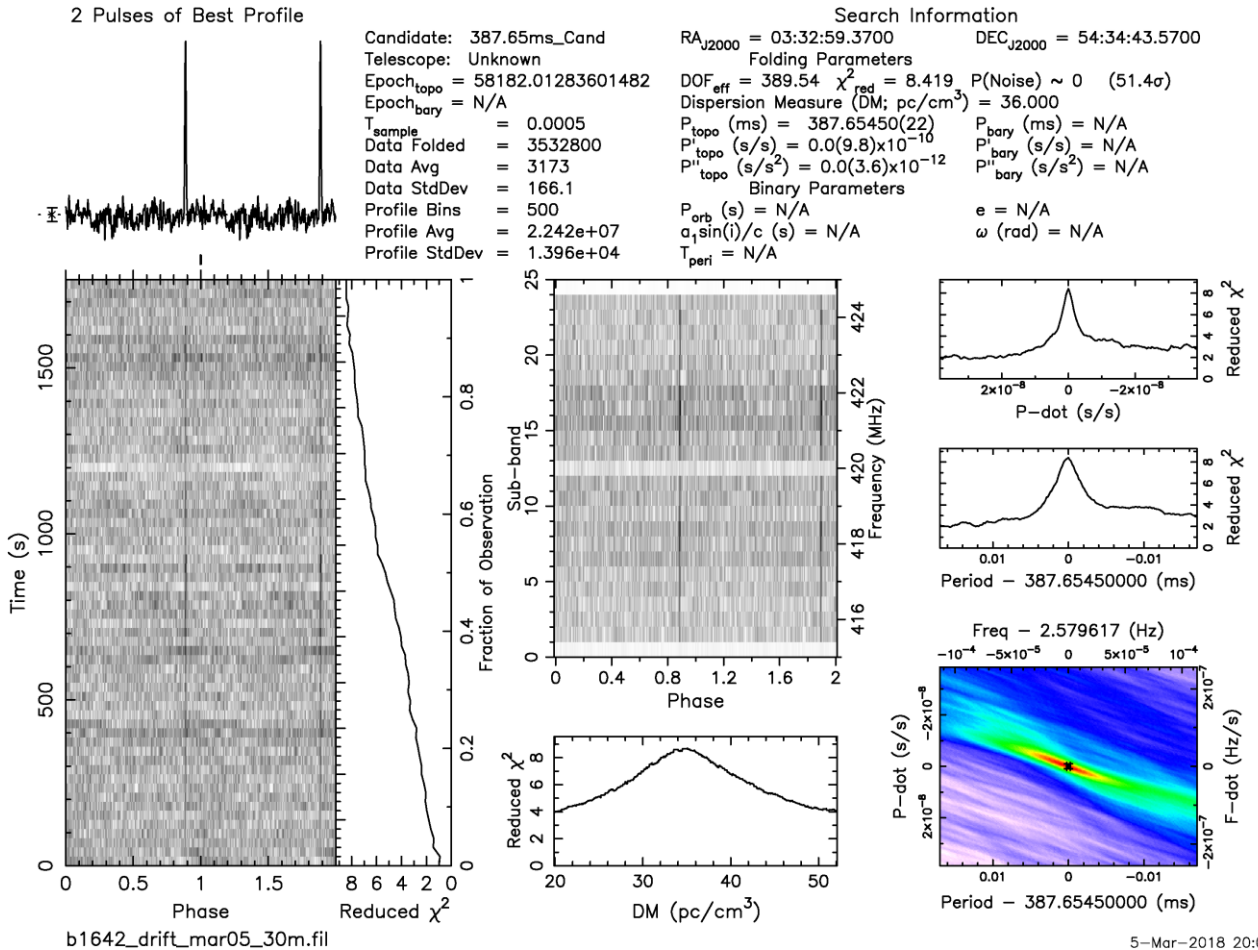
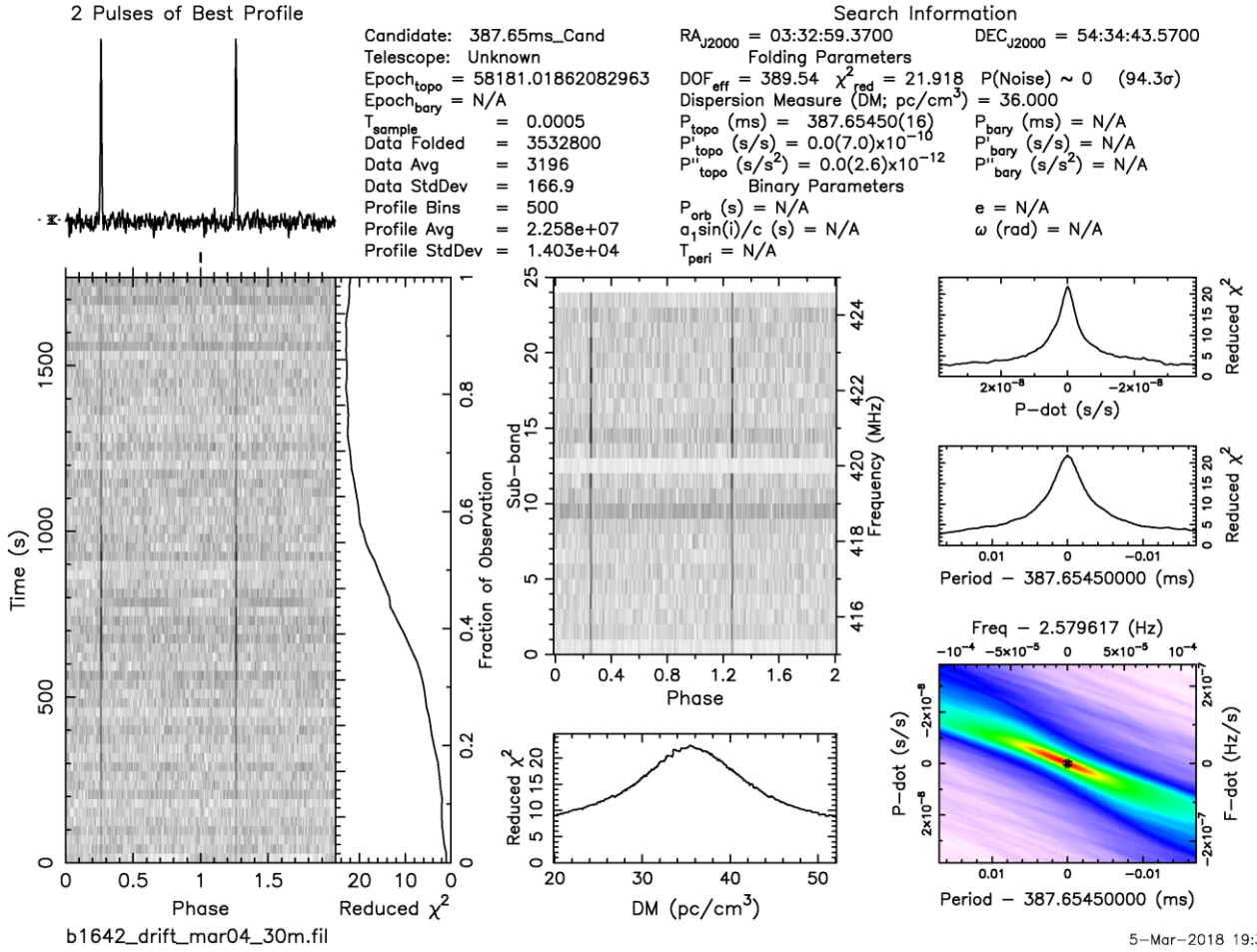




2-Mar-2018 08:26



3-Mar-2018 07:52

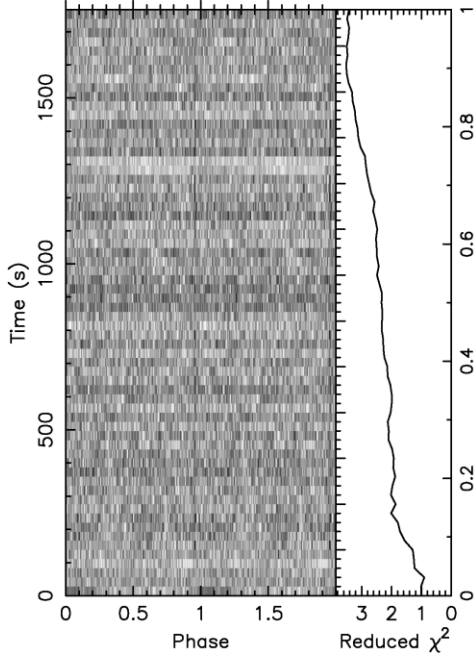


2 Pulses of Best Profile

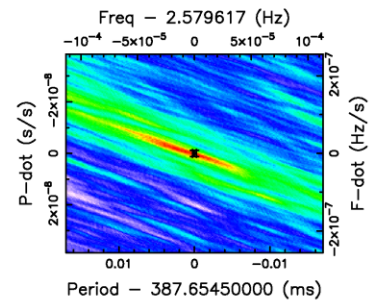
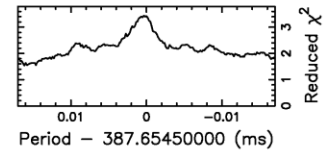
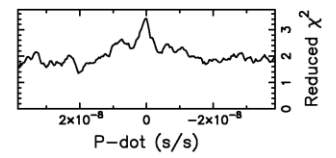
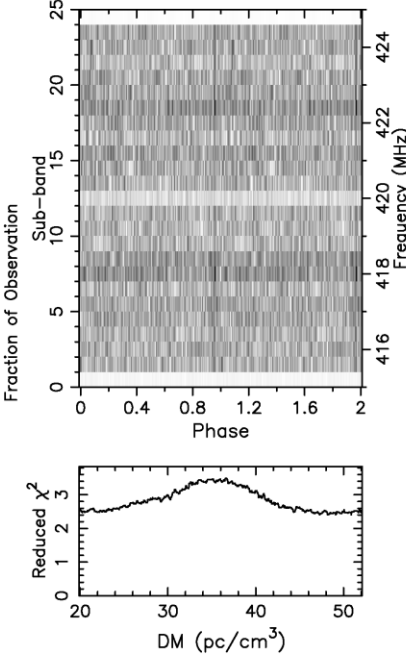


Candidate: 387.65ms_Cand
Telescope: Unknown
Epoch_{topo} = 58183.00821860741
Epoch_{bary} = N/A
T_{sample} = 0.0005
Data Folded = 3532800
Data Avg = 3178
Data StdDev = 164.6
Profile Bins = 500
Profile Avg = 2.245e+07
Profile StdDev = 1.384e+04

Search Information
RA_{J2000} = 03:32:59.3700 DEC_{J2000} = 54:34:43.5700
Folding Parameters
DOF_{eff} = 389.54 χ^2_{red} = 3.419 P(Noise) < 1.22e-131 (24.4 σ)
Dispersion Measure (DM; pc/cm³) = 36.000
P_{topo} (ms) = 387.65450(27) P_{bary} (ms) = N/A
P_{topo} (s/s) = 0.0(1.2)x10⁻⁹ P_{bary} (s/s) = N/A
P_{topo} (s/s²) = 0.0(4.4)x10⁻¹² P_{bary} (s/s²) = N/A
Binary Parameters
P_{orb} (s) = N/A e = N/A
a₁sin(i)/c (s) = N/A ω (rad) = N/A
T_{peri} = N/A



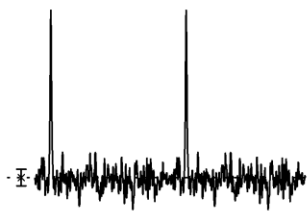
b1642_drift_mar06_30m.fil



Period - 387.65450000 (ms)

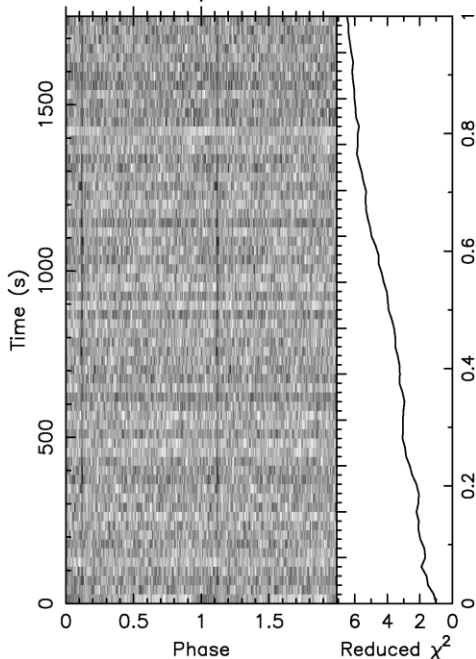
6-Mar-2018 08:27

2 Pulses of Best Profile

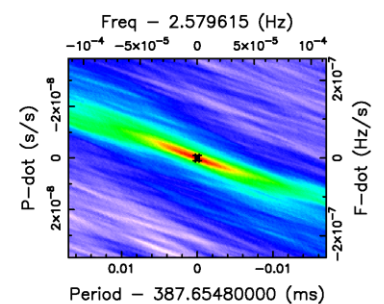
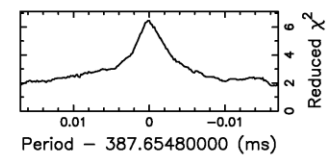
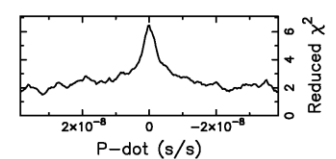
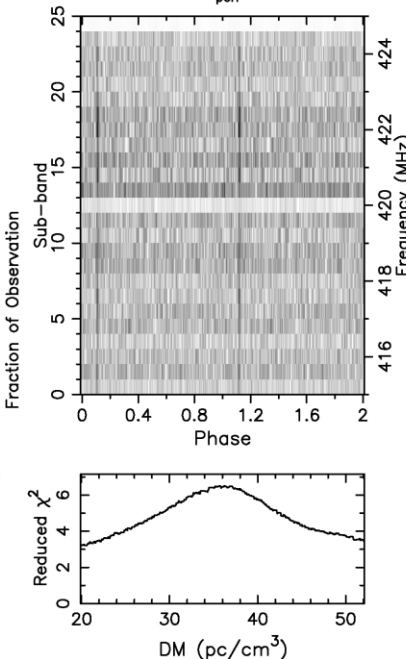


Candidate: 387.65ms_Cand
Telescope: Unknown
Epoch_{topo} = 58184.00704564444
Epoch_{bary} = N/A
T_{sample} = 0.0005
Data Folded = 3532800
Data Avg = 3197
Data StdDev = 166.4
Profile Bins = 500
Profile Avg = 2.258e+07
Profile StdDev = 1.399e+04

Search Information
RA_{J2000} = 03:32:59.3700 DEC_{J2000} = 54:34:43.5700
Folding Parameters
DOF_{eff} = 389.54 χ^2_{red} = 6.461 P(Noise) ~ 0 (42.4 σ)
Dispersion Measure (DM; pc/cm³) = 36.000
P_{topo} (ms) = 387.65480(24) P_{bary} (ms) = N/A
P_{topo} (s/s) = 0.0(1.0)x10⁻⁹ P_{bary} (s/s) = N/A
P_{topo} (s/s²) = 0.0(3.8)x10⁻¹² P_{bary} (s/s²) = N/A
Binary Parameters
P_{orb} (s) = N/A e = N/A
a₁sin(i)/c (s) = N/A ω (rad) = N/A
T_{peri} = N/A

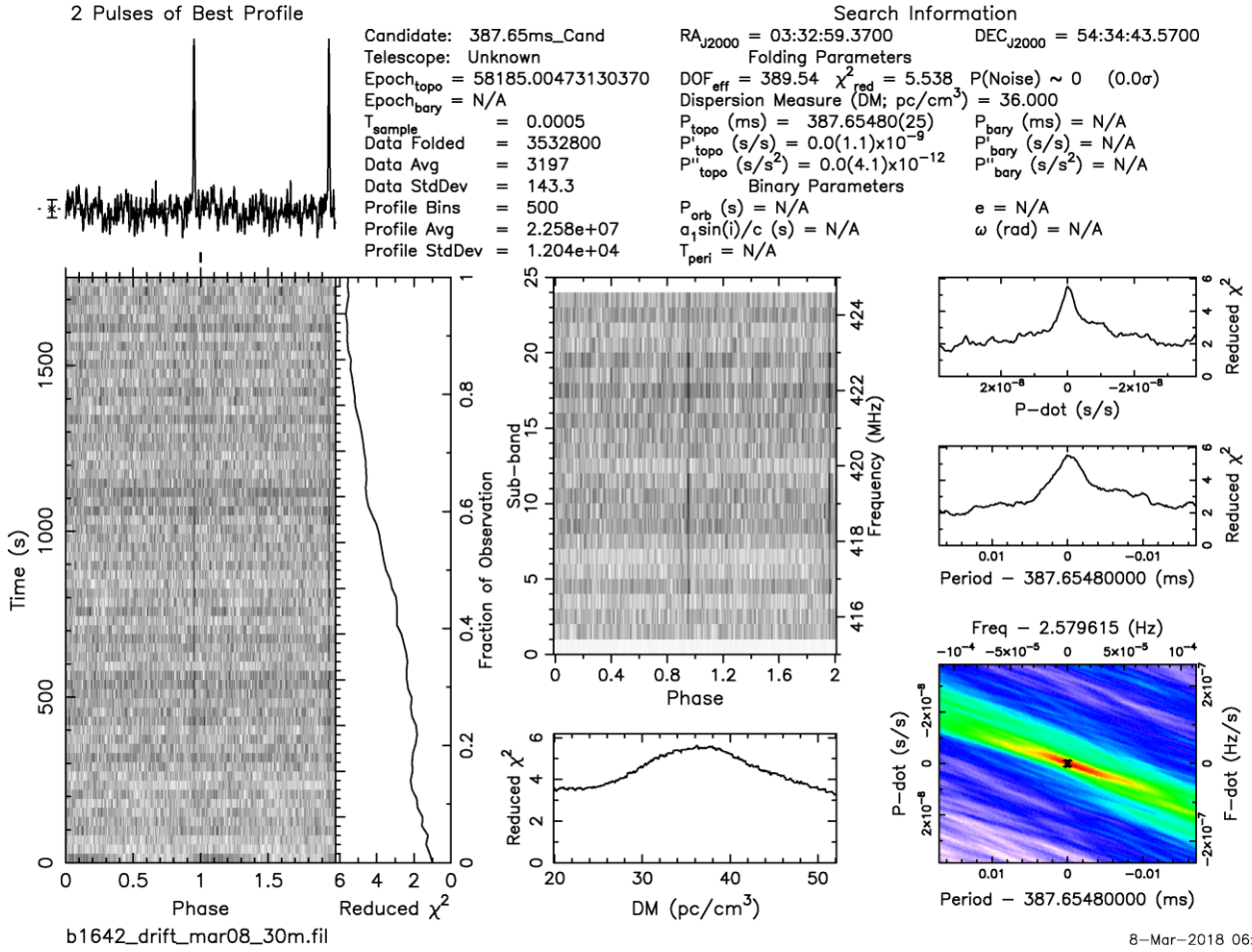


b1642_drift_mar07_30m.fil

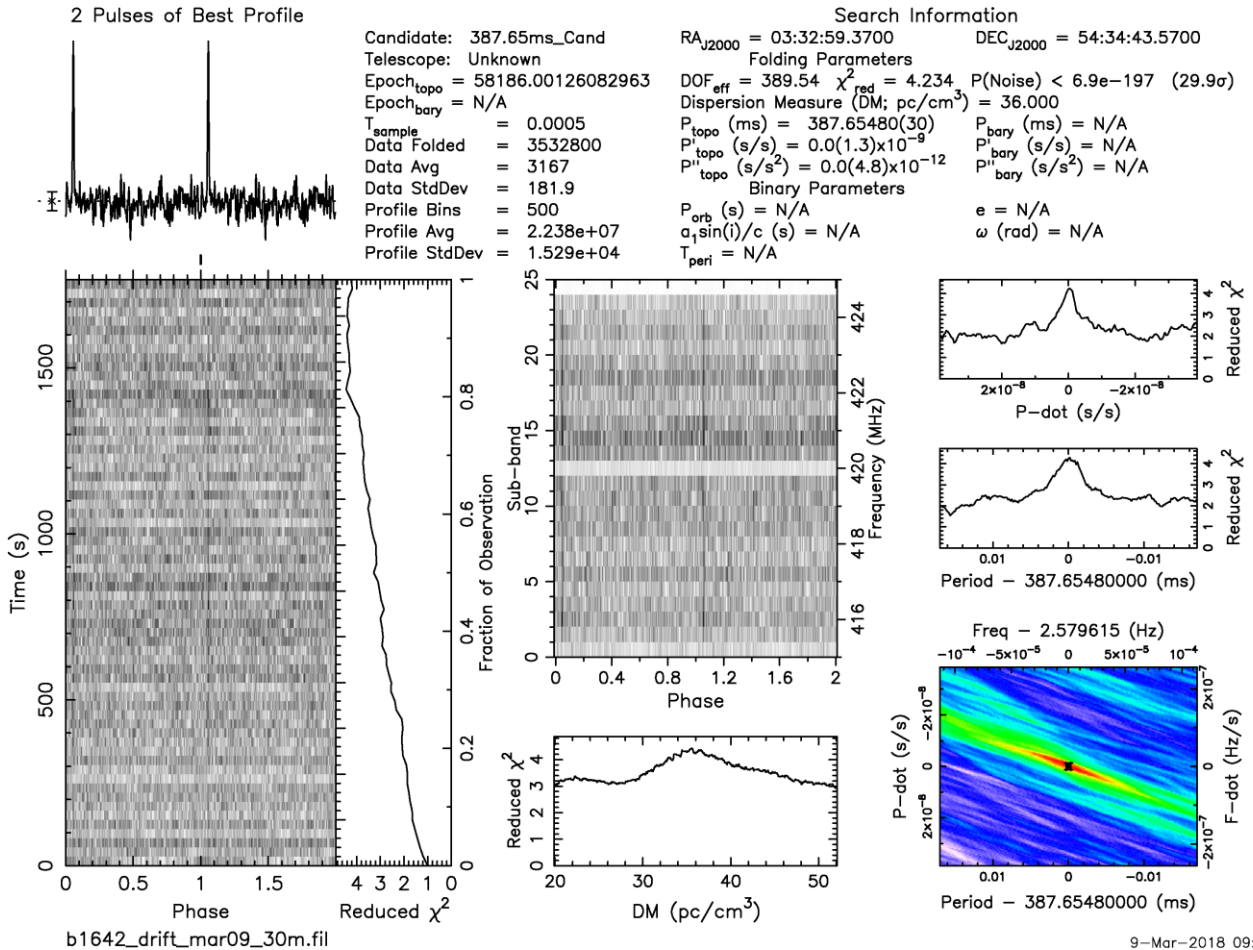


Period - 387.65480000 (ms)

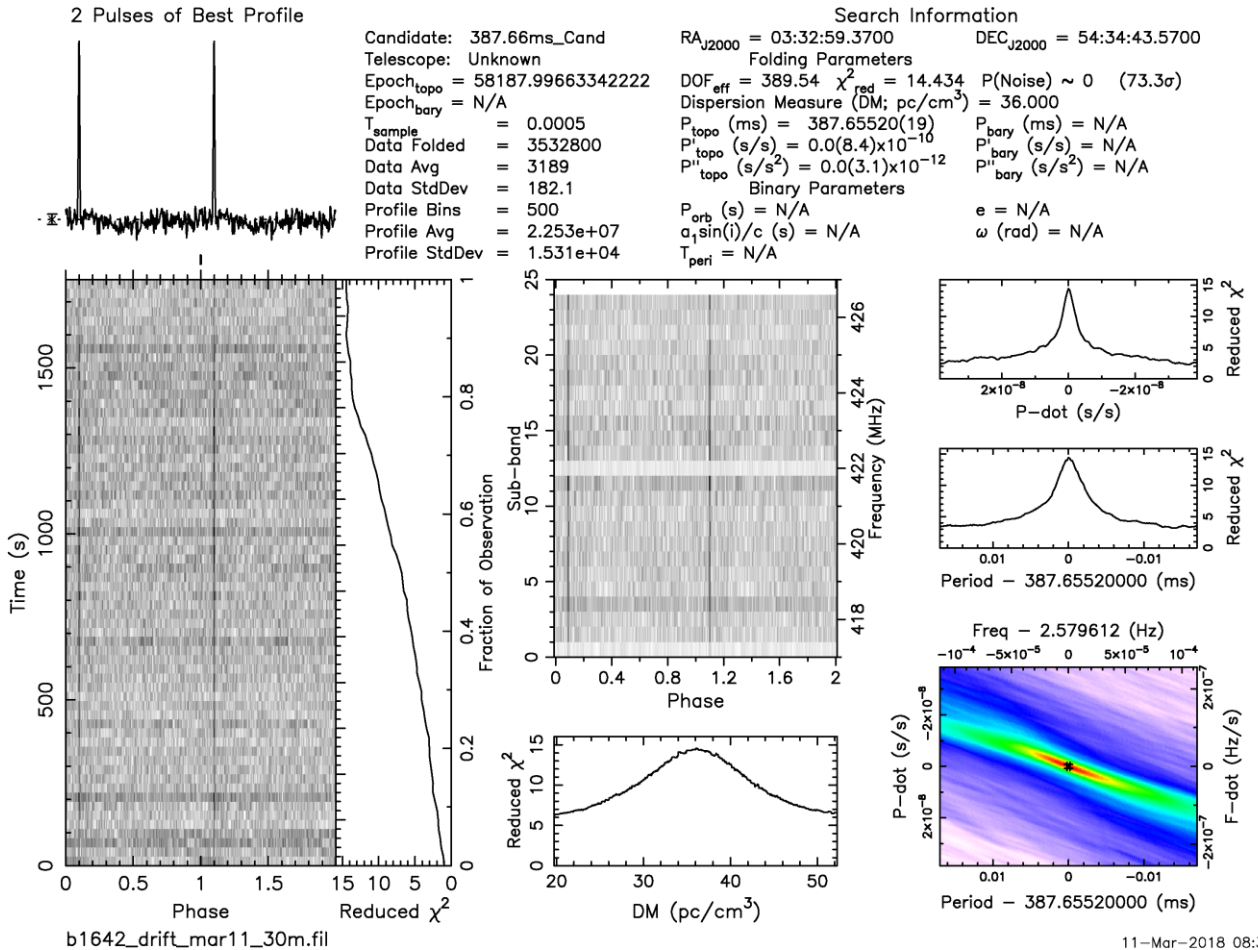
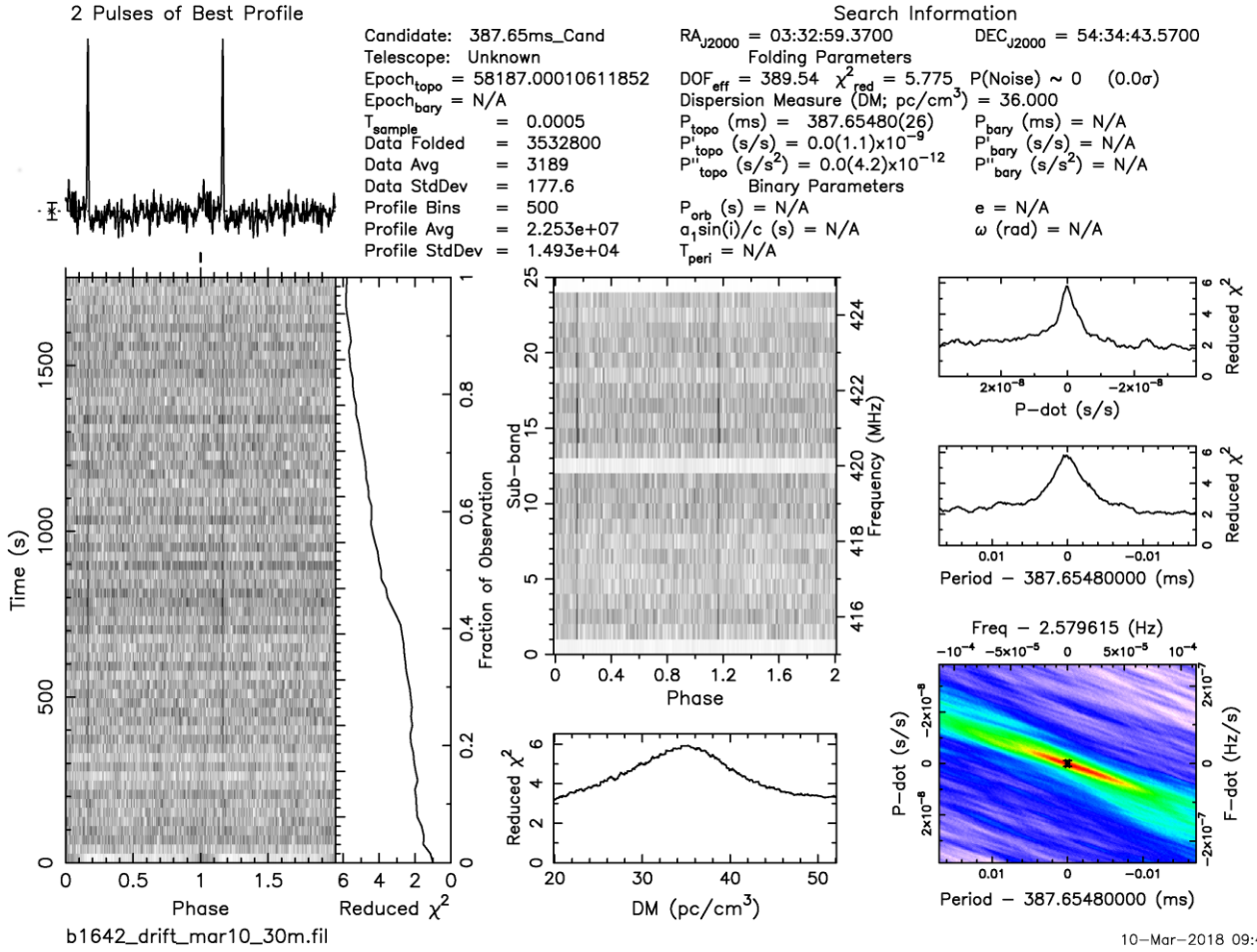
7-Mar-2018 08:31

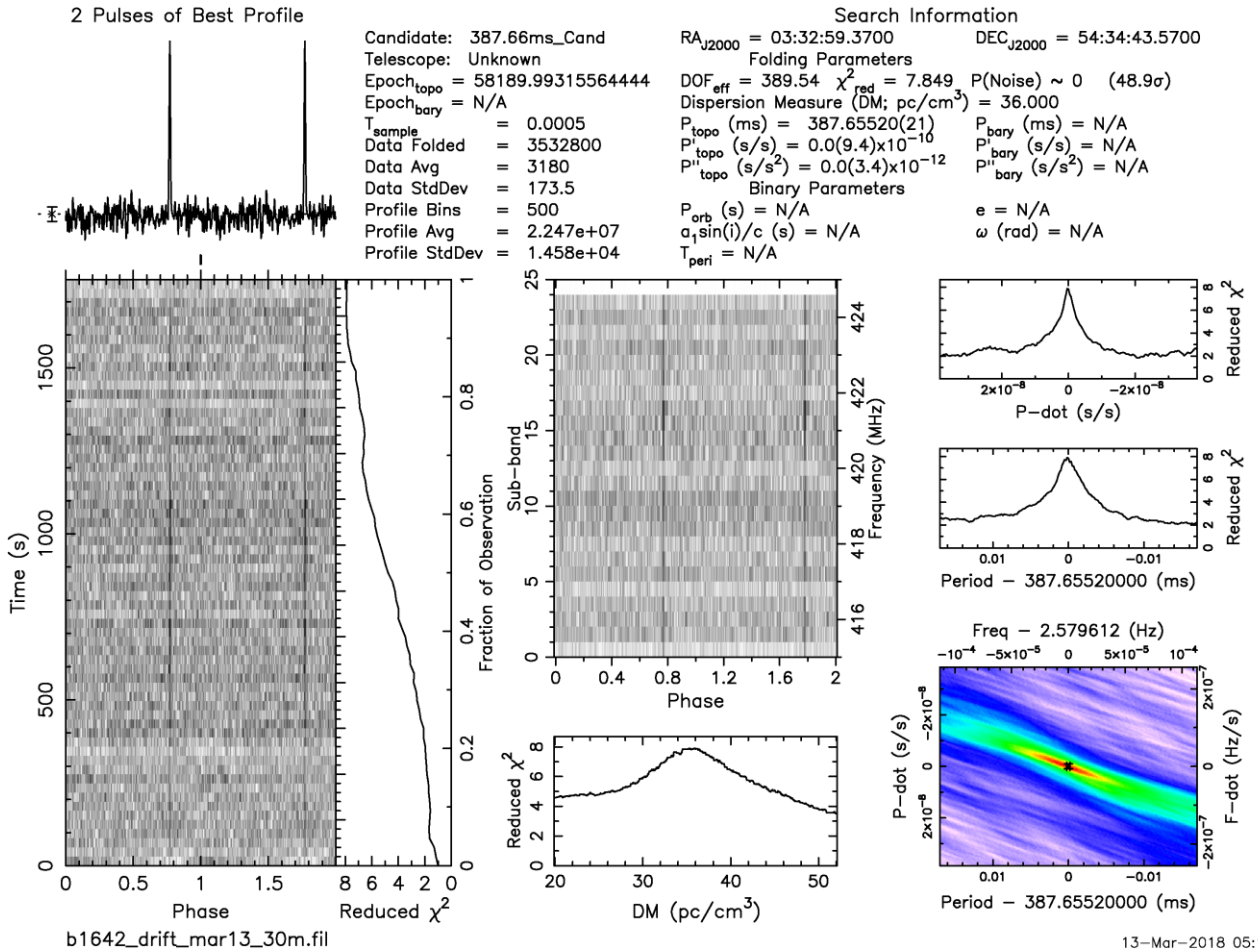
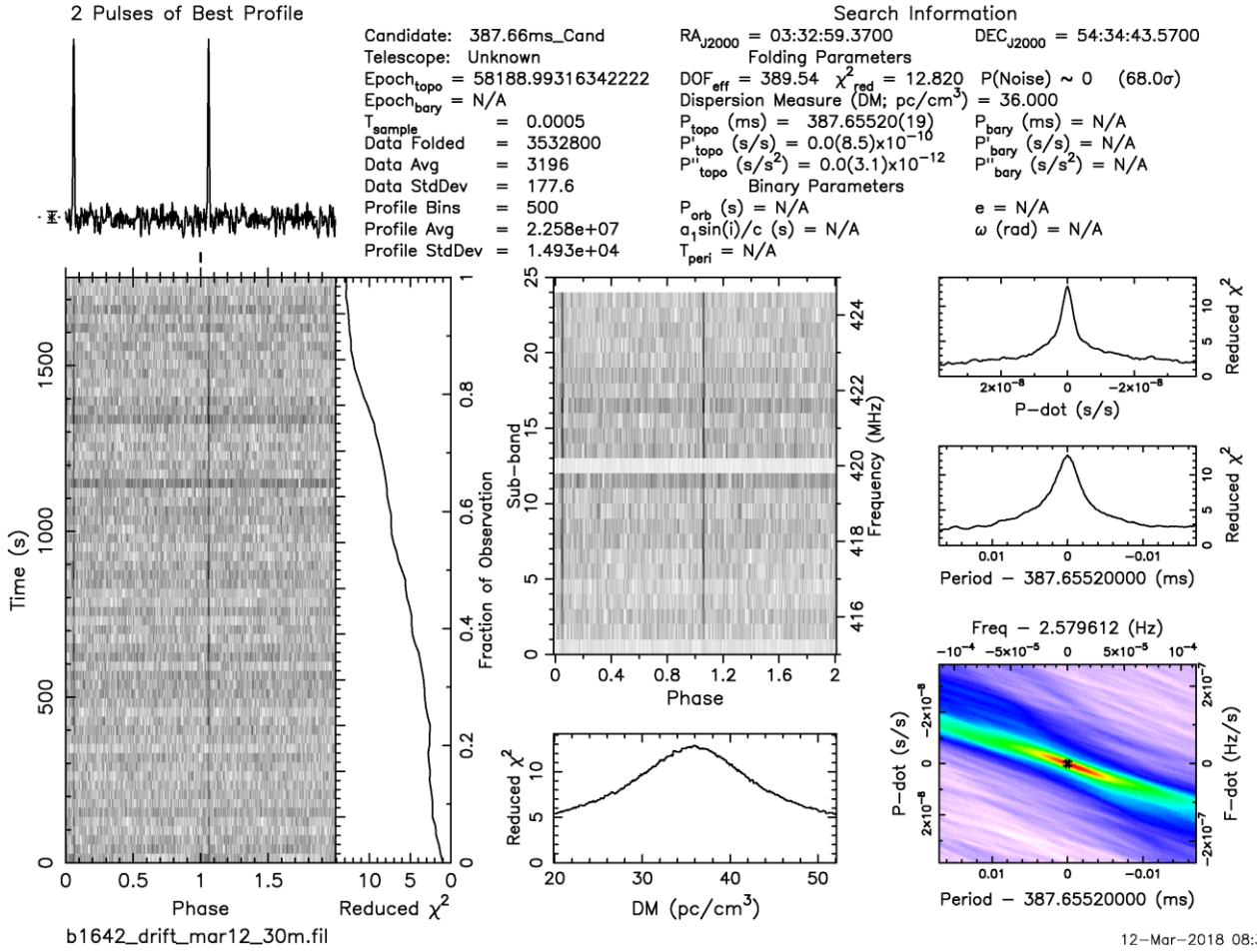


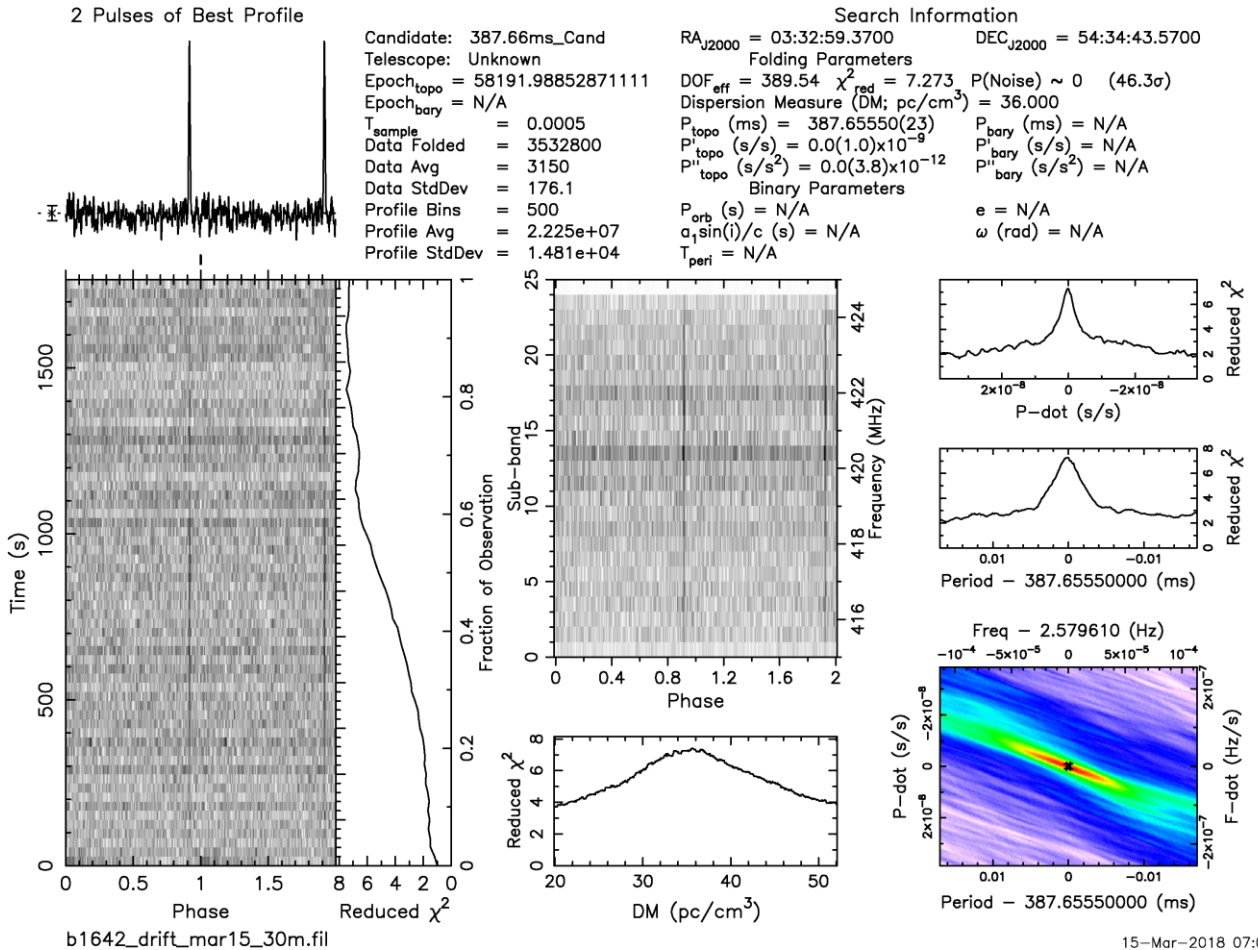
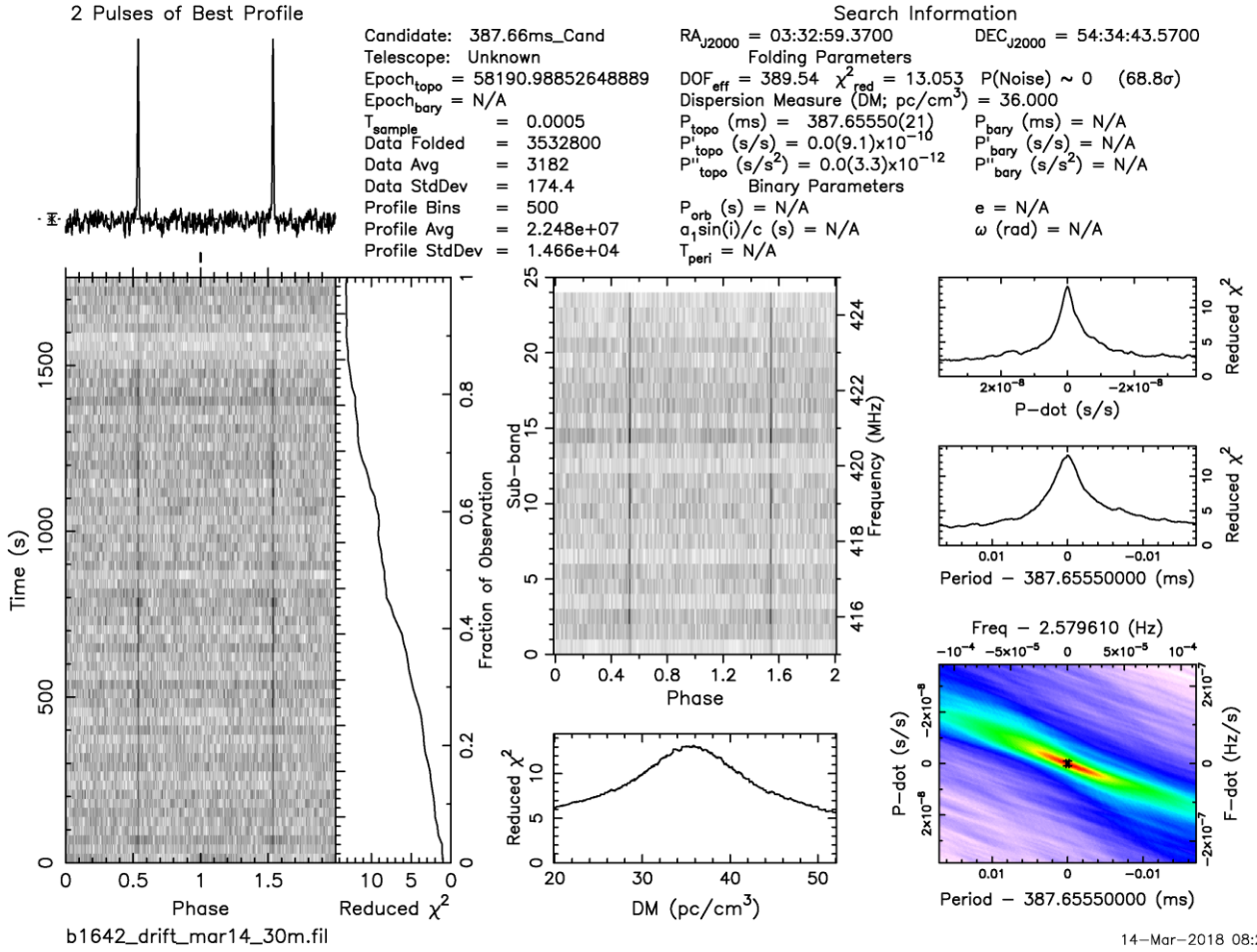
8-Mar-2018 06:43

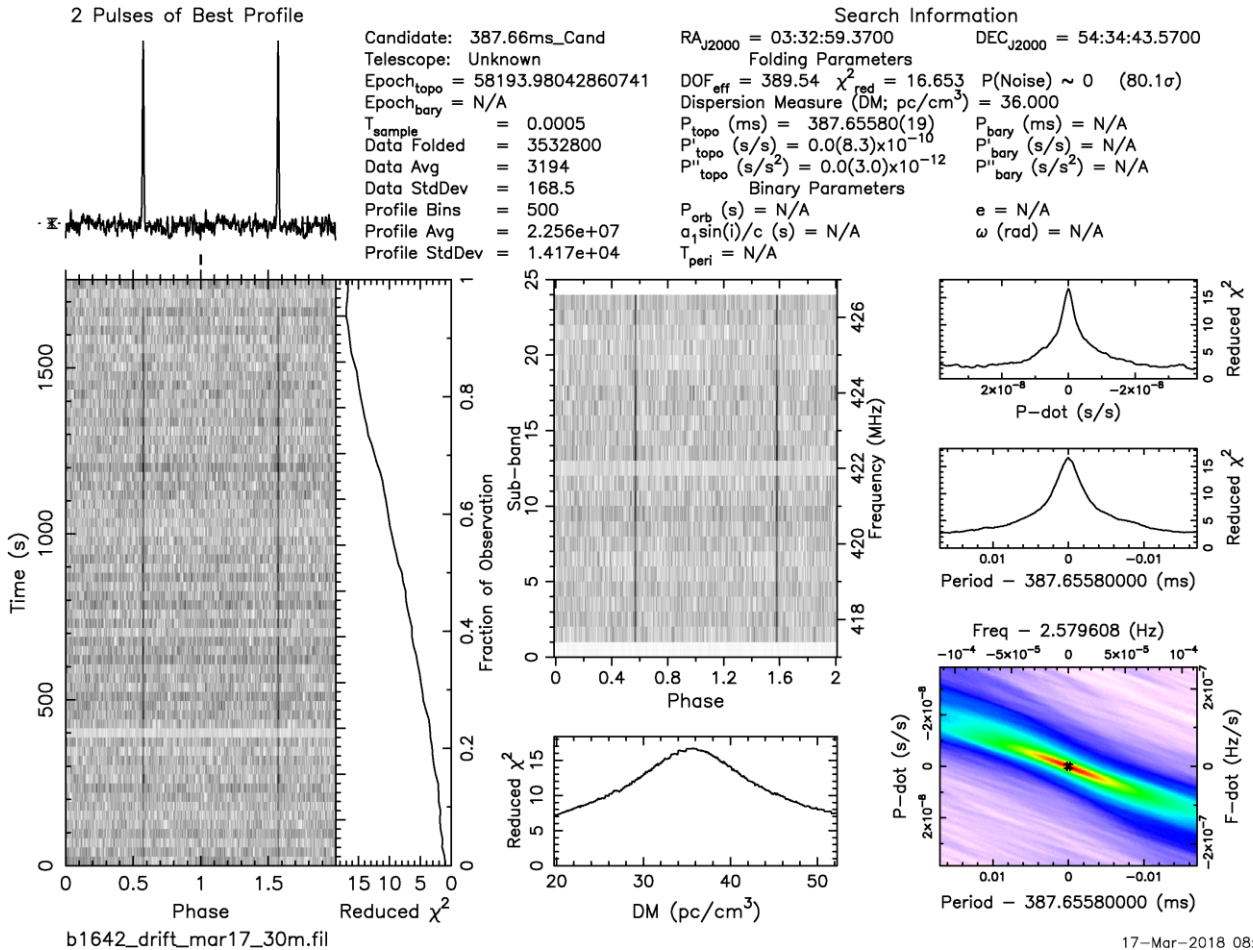
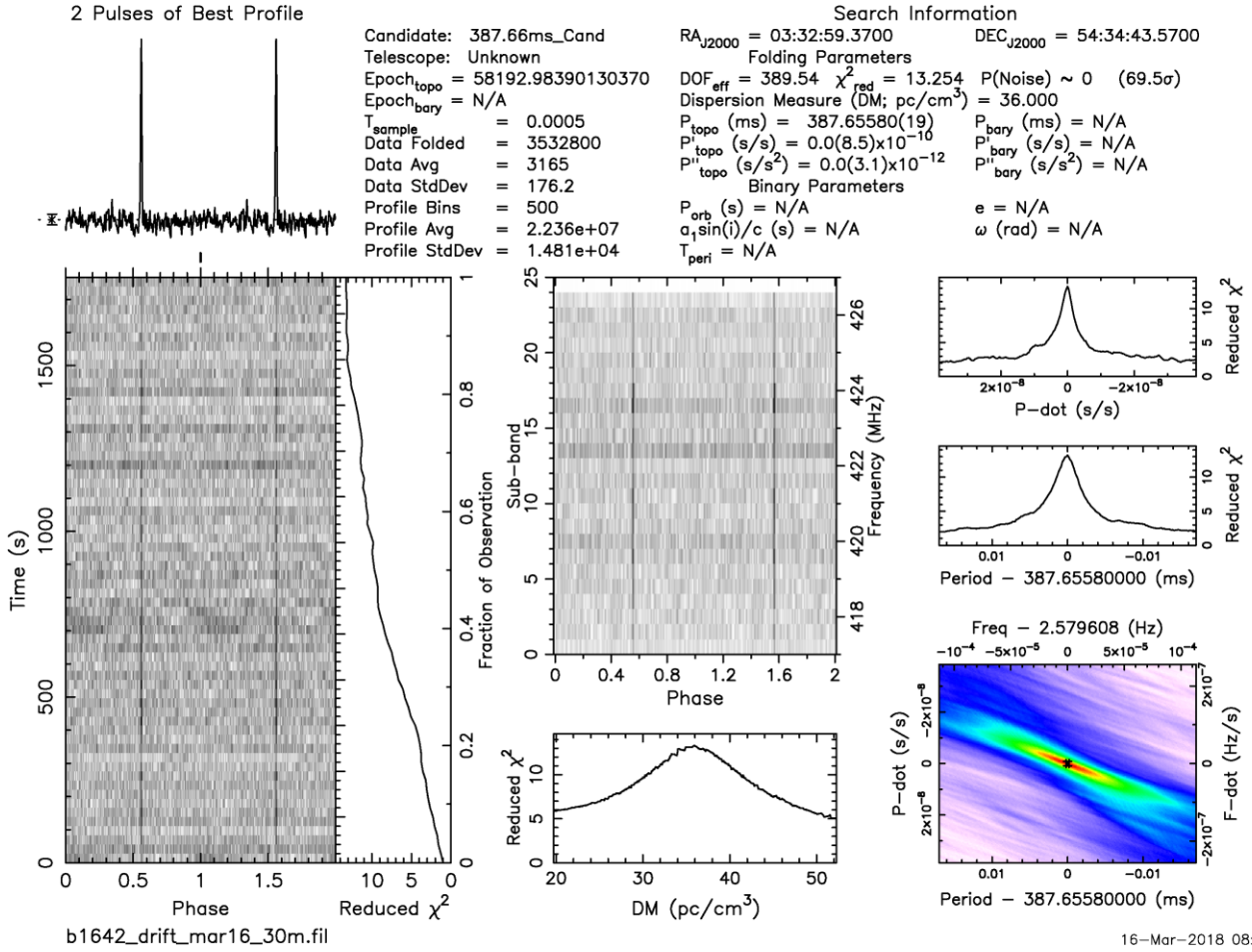


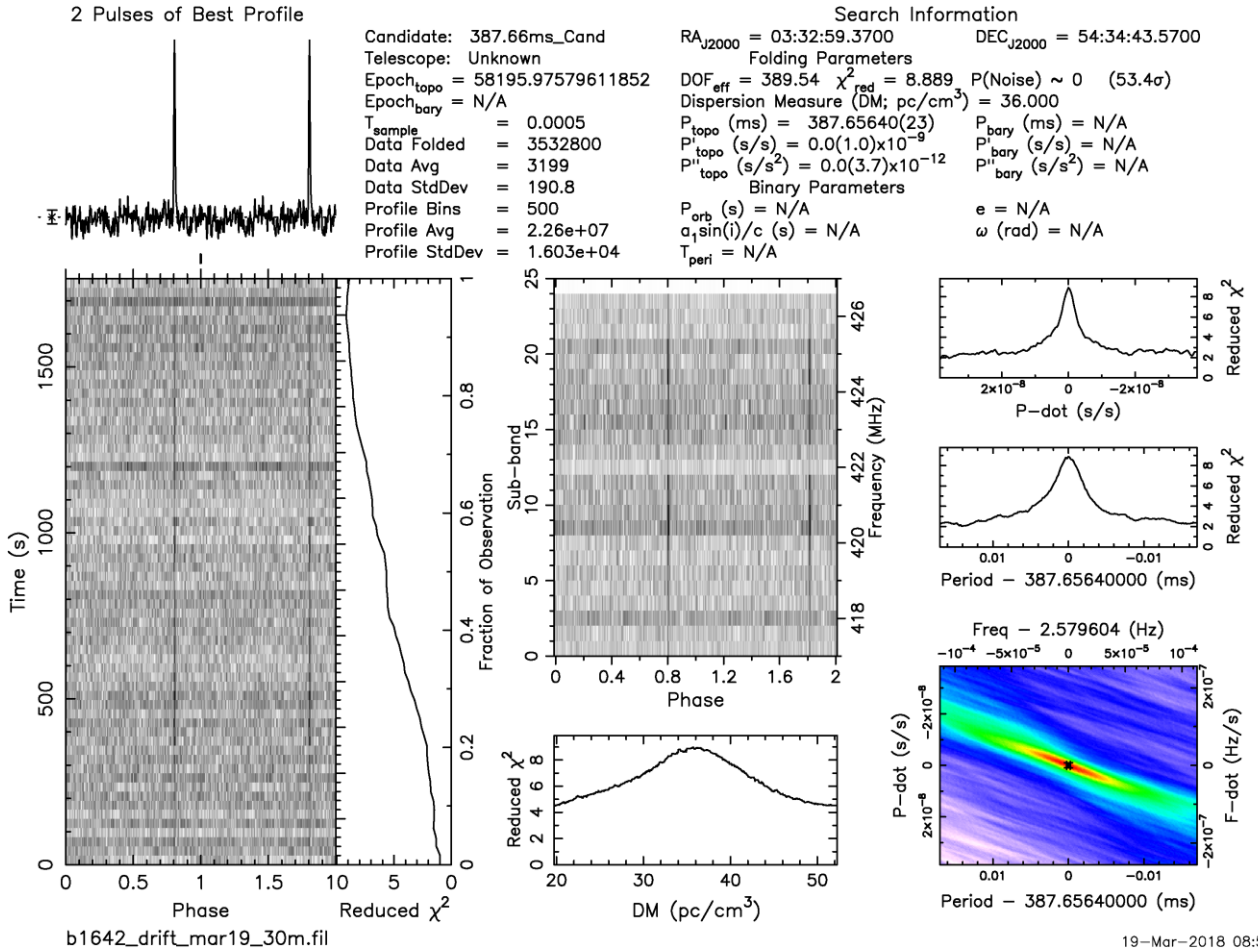
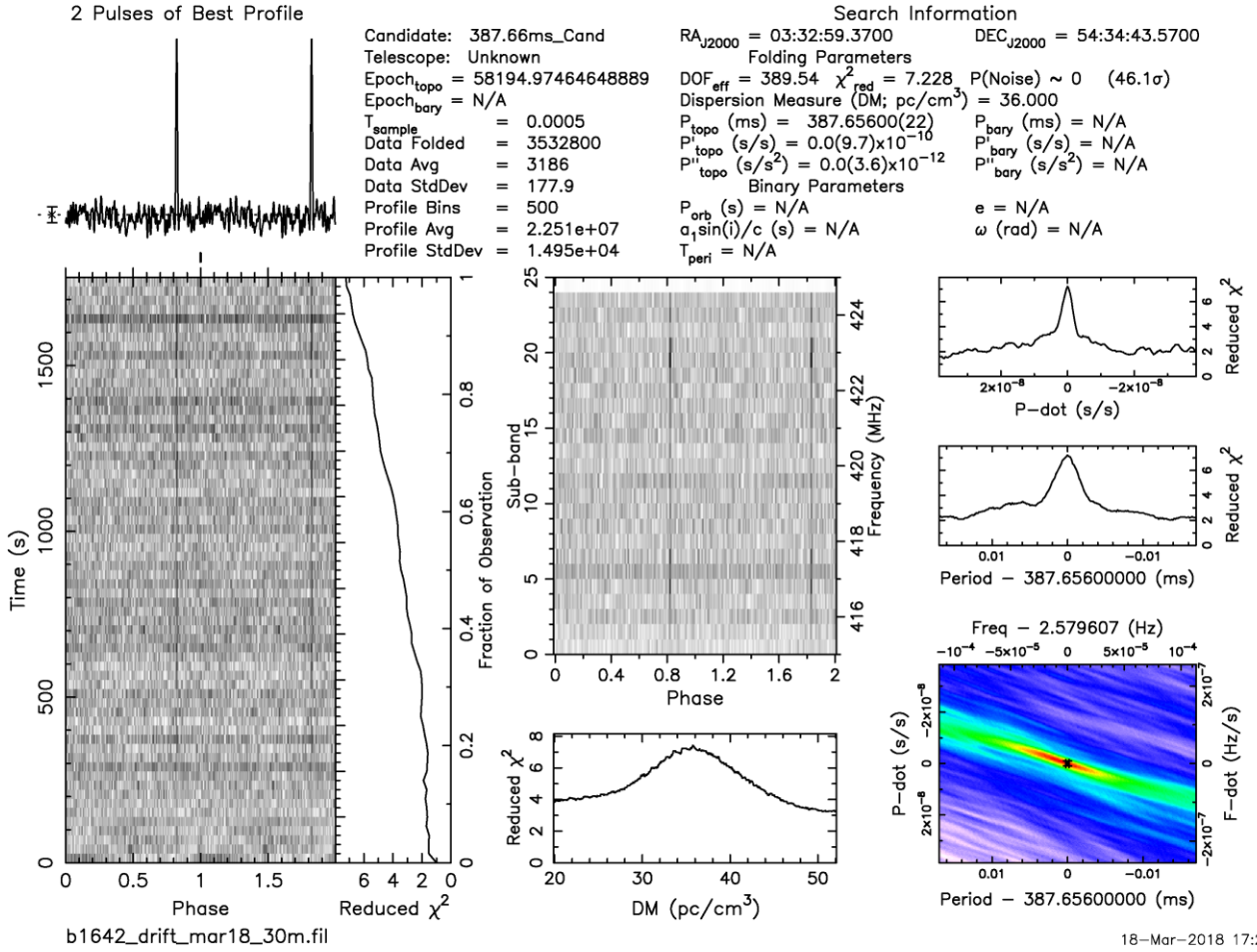
9-Mar-2018 09:30

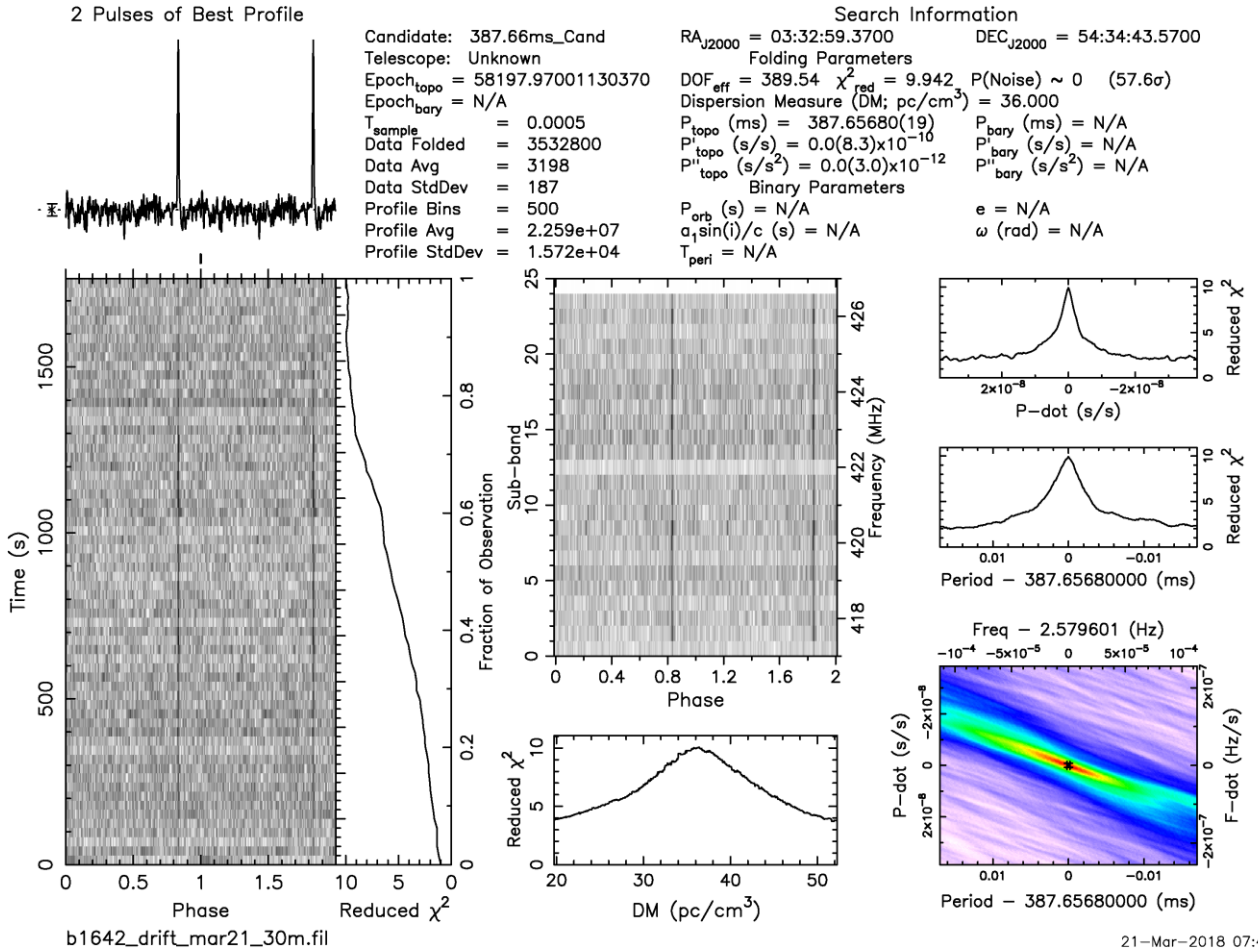
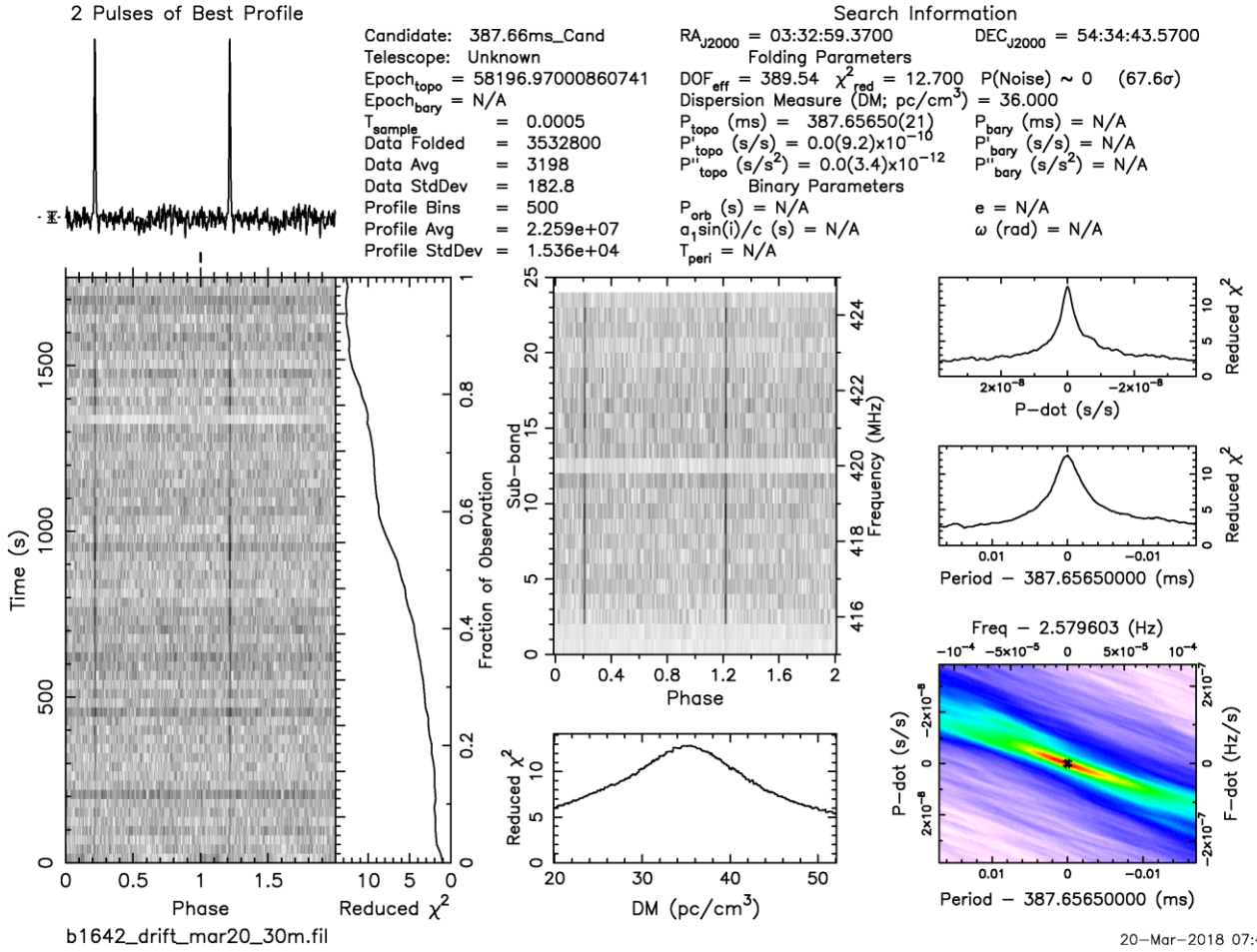


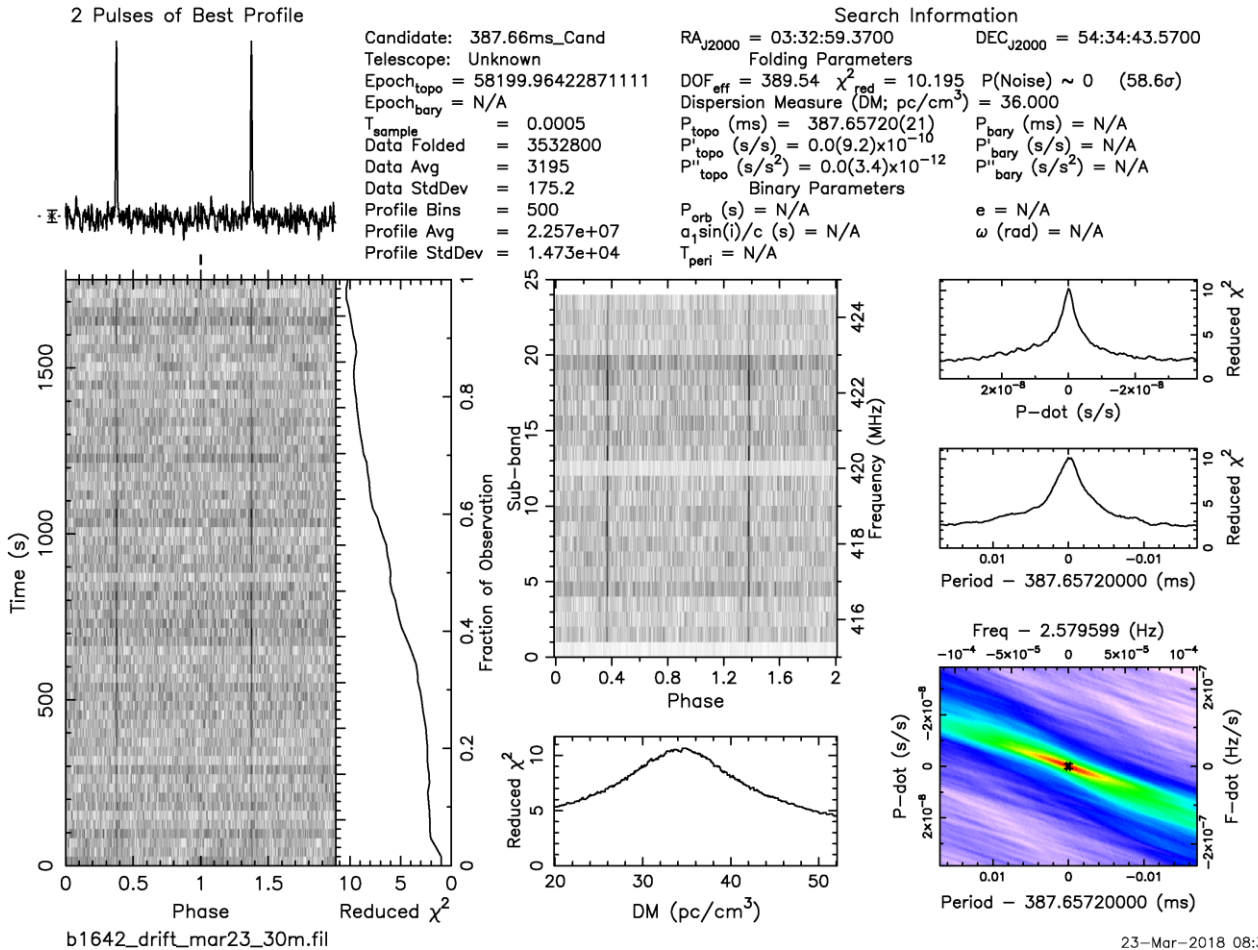
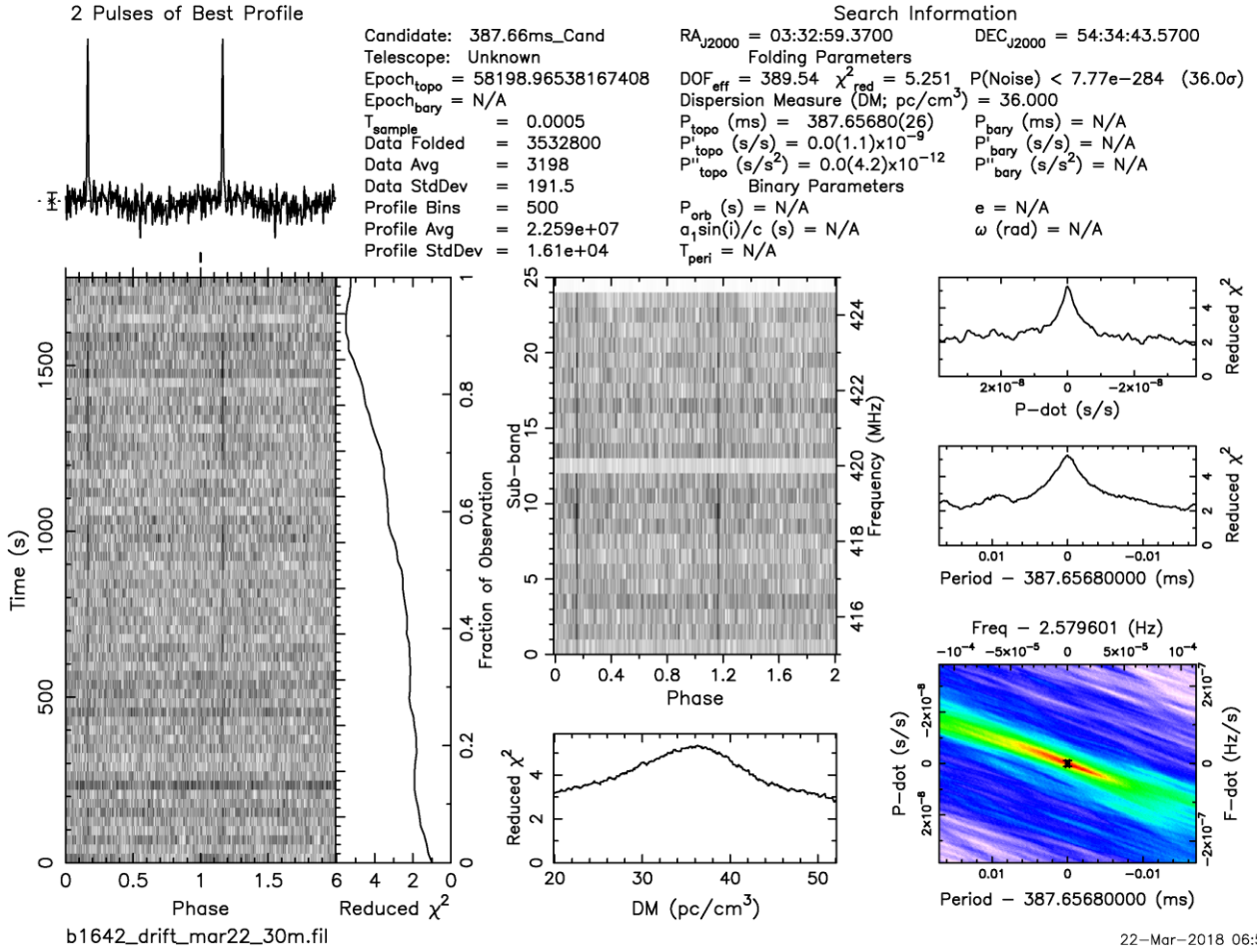


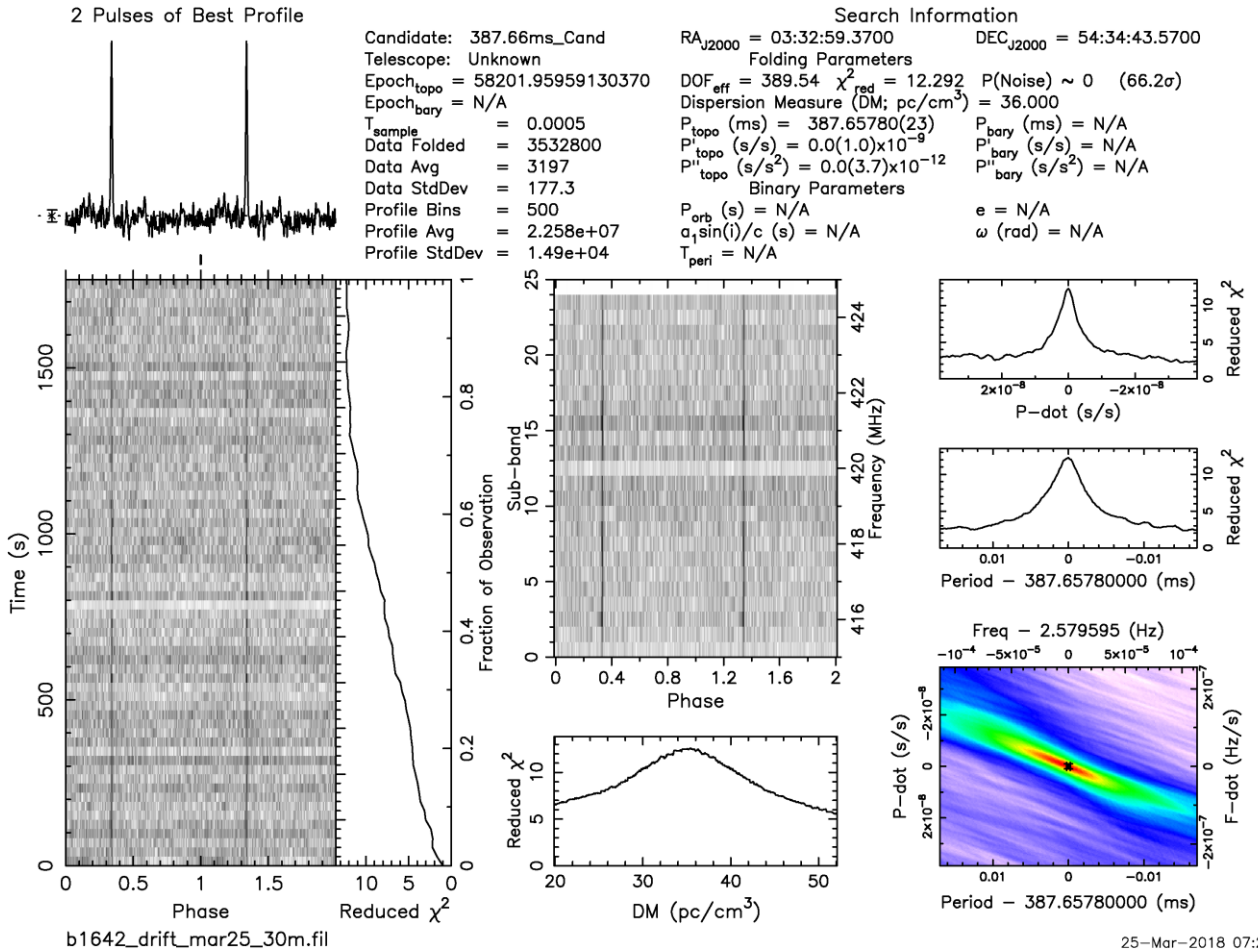
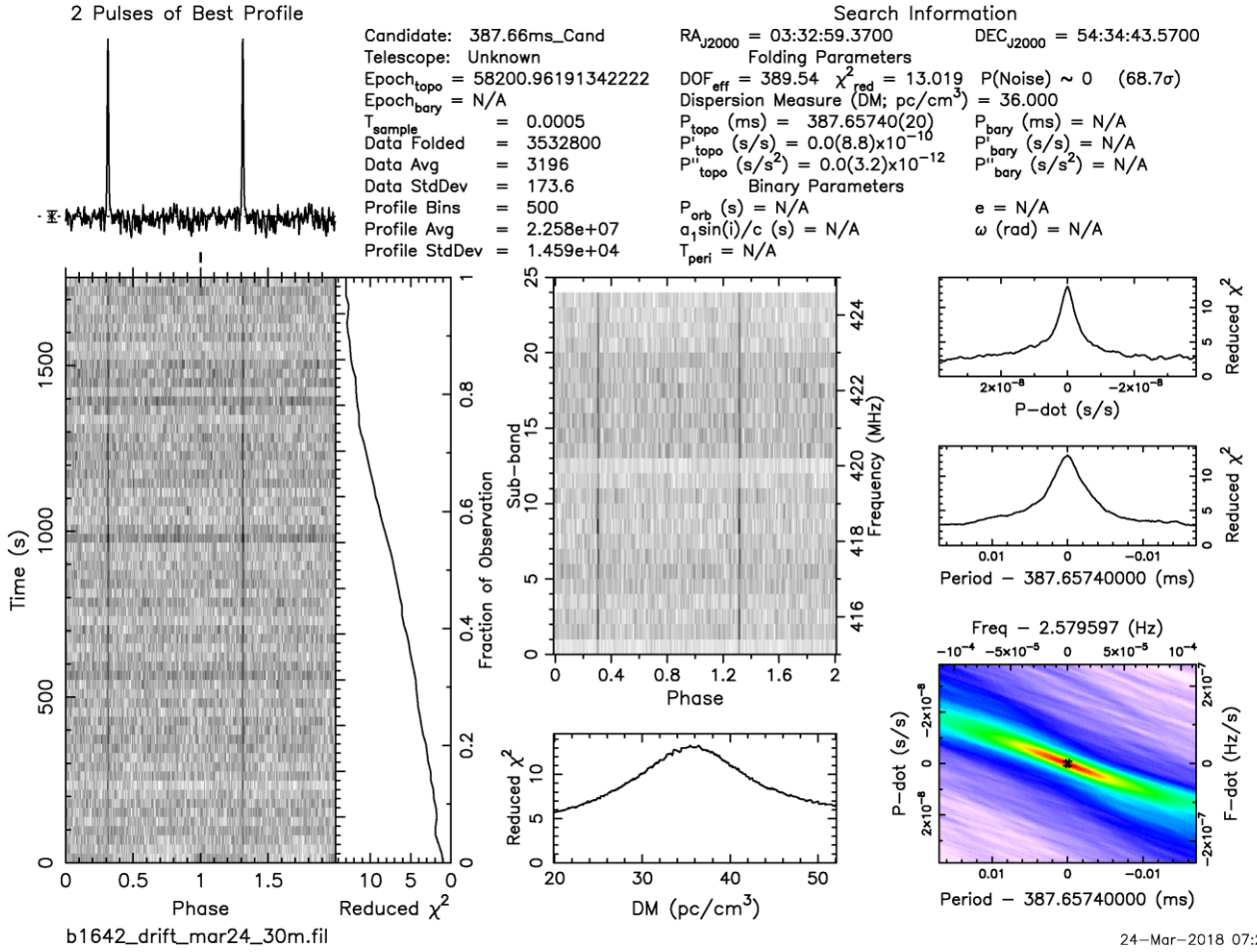


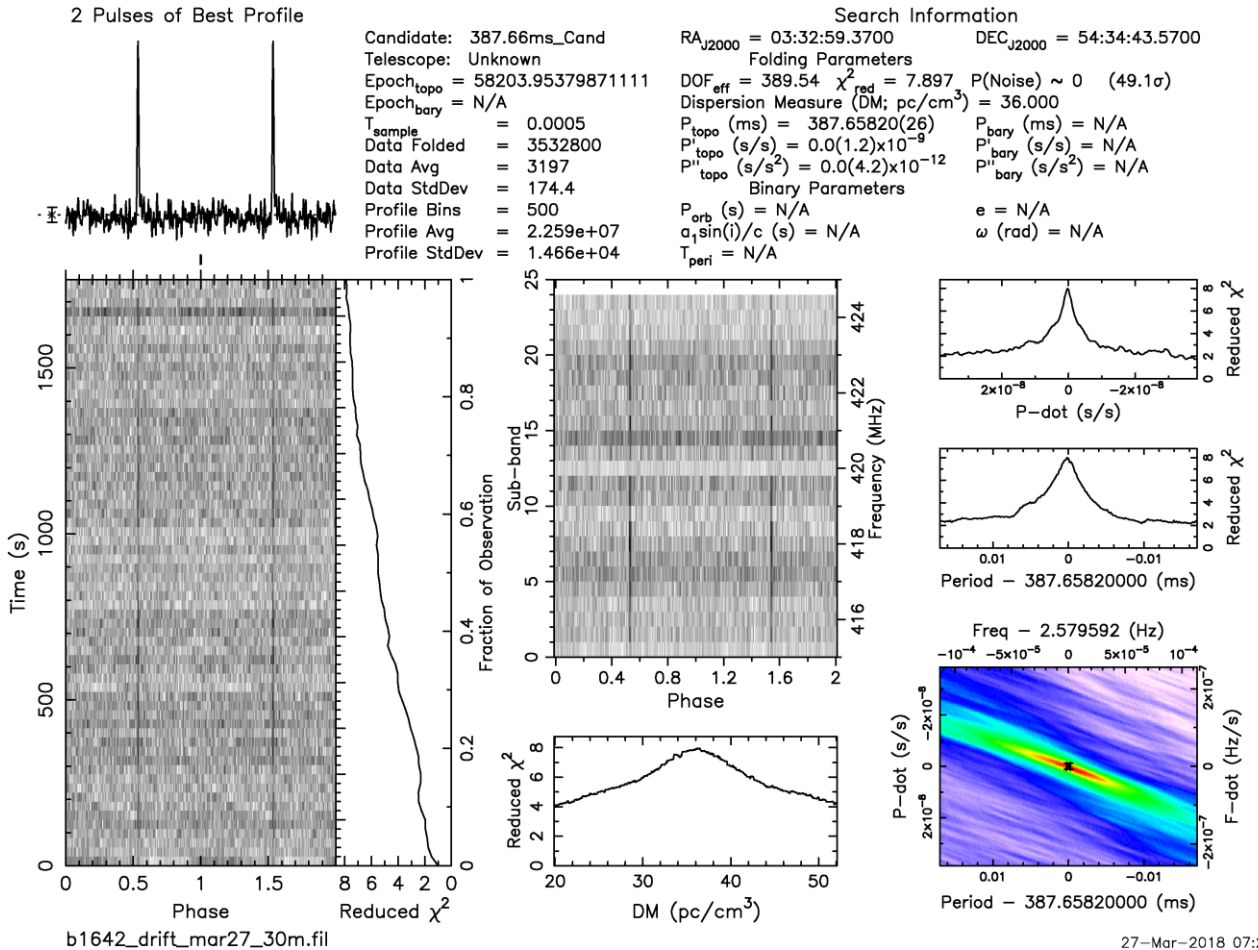
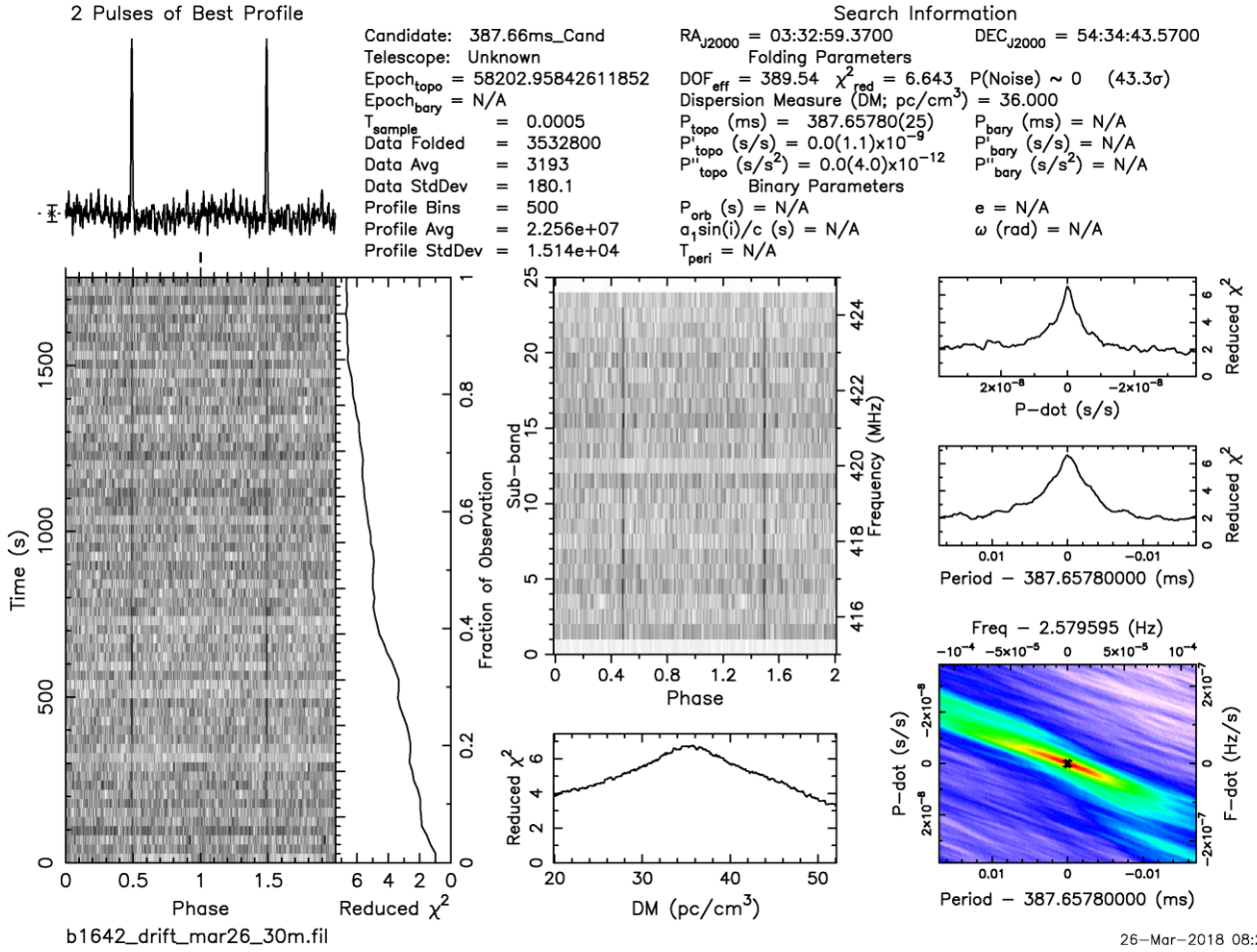


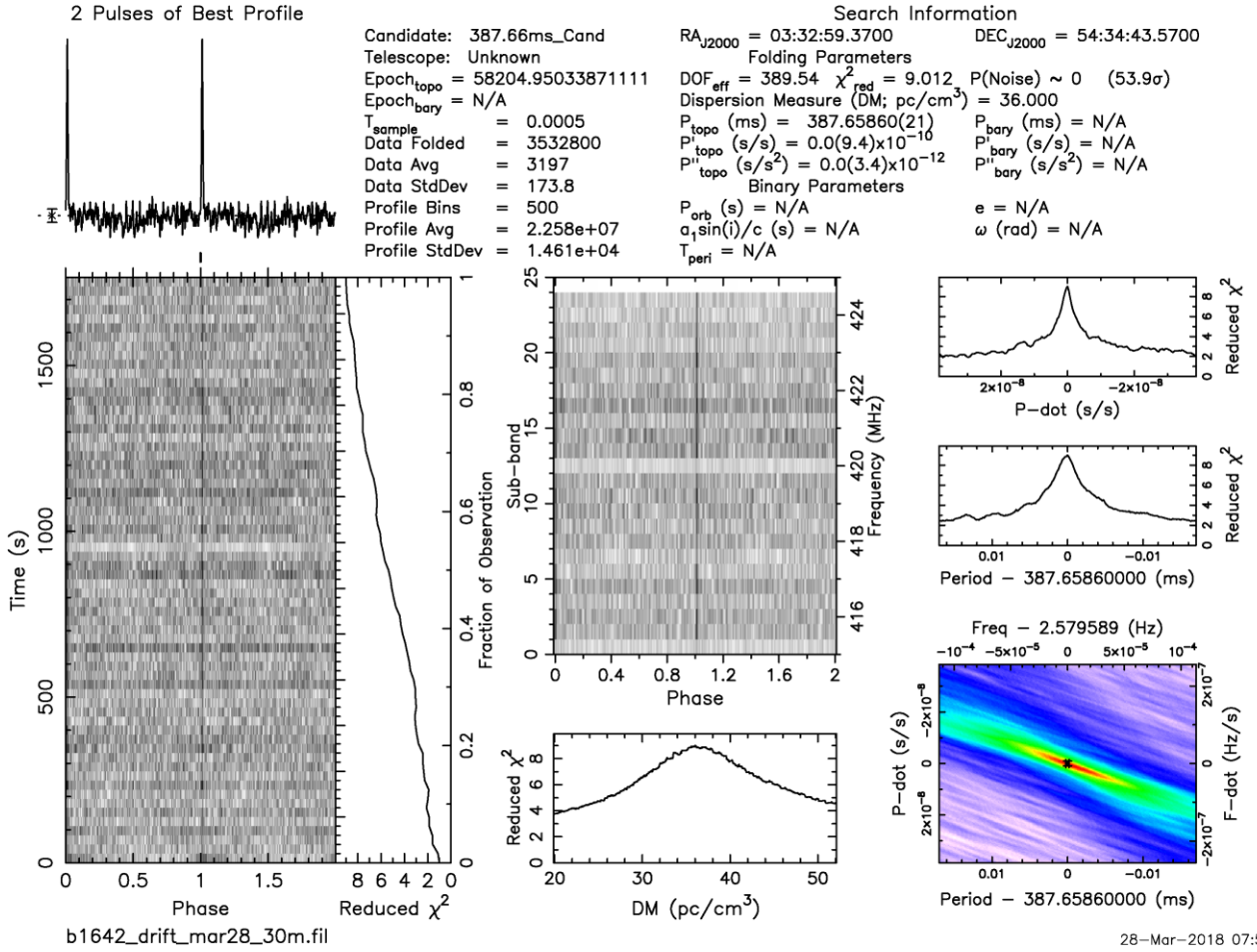




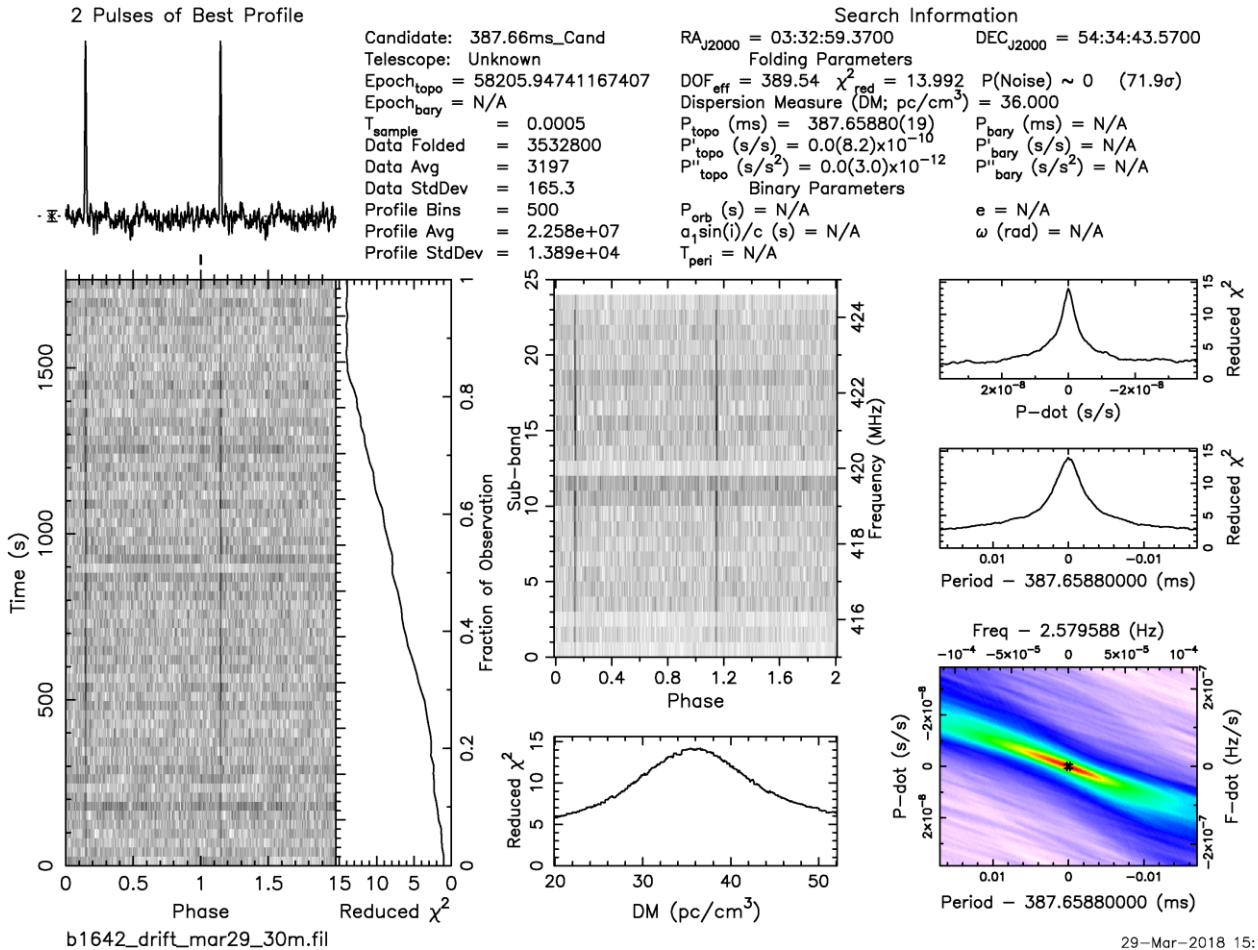








28-Mar-2018 07:53



29-Mar-2018 15:16

