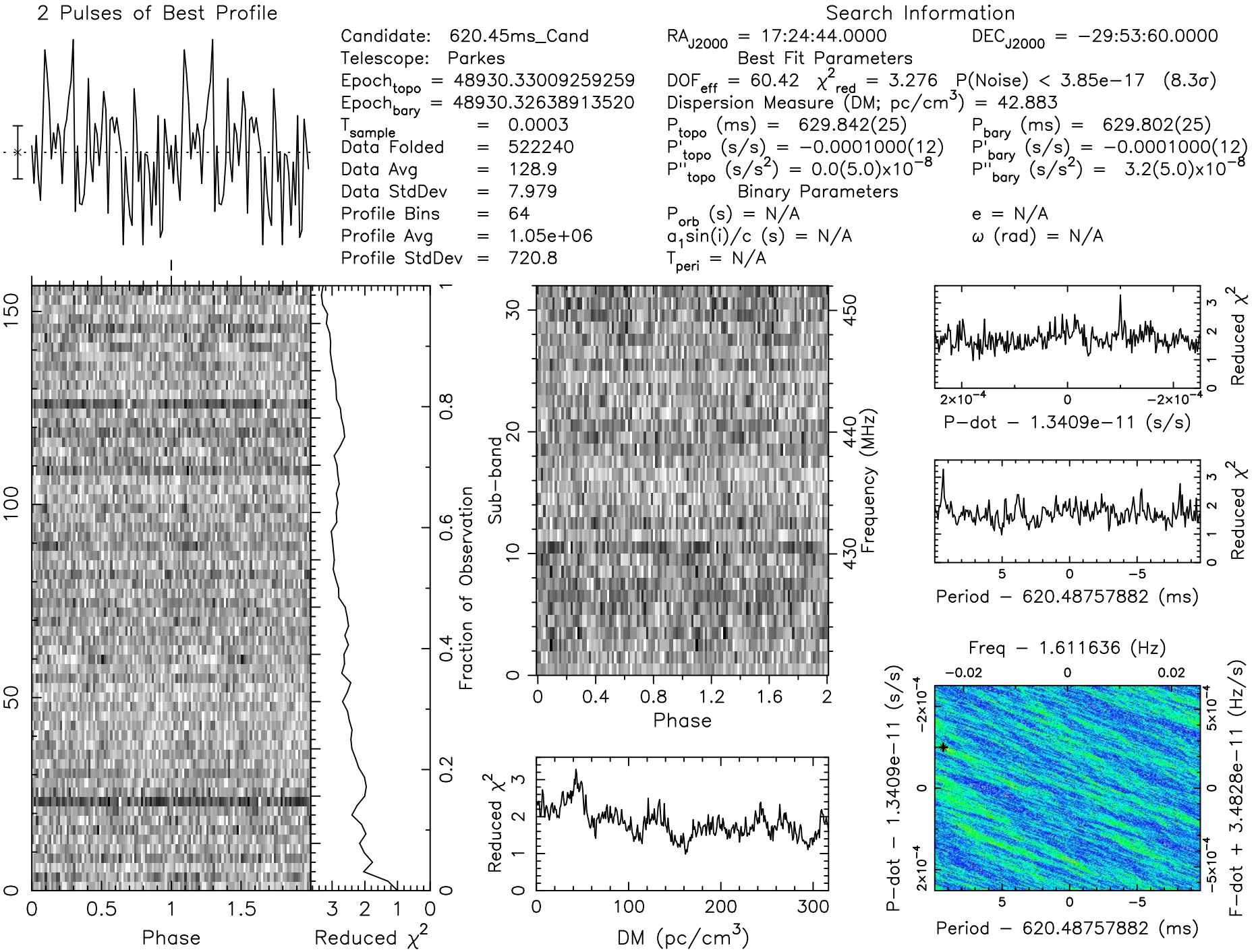
2 Pulses of Best Profile
Search Information
Candidate: 620.45ms_Cand
Telescope: Parkes
Epoch_topo = 48930.33009259259
Epoch_bary = 48930.32638913520
T_sample = 0.0003
Data Folded = 522240
Data Avg = 128.9
Data StdDev = 7.979
Profile Bins = 64
Profile Avg = 1.05e+06
Profile StdDev = 720.8
RA_J2000 = 17:24:44.0000
DEC_J2000 = −29:53:60.0000
Best Fit Parameters
DOF_eff = 60.42 χ²_red = 3.276 P(Noise) < 3.85e−17 (8.3σ)
Dispersion Measure (DM; pc/cm³) = 42.883
P_topo (ms) = 629.842(25)
P_bary (ms) = 629.802(25)
P'_topo (s/s) = −0.0001000(12)
P'_bary (s/s) = −0.0001000(12)
P''_topo (s/s²) = 0.0(5.0)x10⁻⁸
P''_bary (s/s²) = 3.2(5.0)x10⁻⁸
Binary Parameters
P_orb (s) = N/A
e = N/A
a₁sin(i)/c (s) = N/A
ω (rad) = N/A
T_peri = N/A
Time (s)
Phase
Reduced χ²
Fraction of Observation
Sub-band
Frequency (MHz)
DM (pc/cm³)
P-dot − 1.3409e−11 (s/s)
Period − 620.48757882 (ms)
Freq − 1.611636 (Hz)
F-dot + 3.4828e−11 (Hz/s)
S28305_15.fil
pulsar 6−Feb−2024 19:37