

SCAN_XXX

```

|_ command.....[scan command]
|_ comment_XX.....[comments with index XX]
|_ computer.....[computer used to collect data]
|_ date.....[date of scan]
|_ profile.....[endstation used to collect data]
|_ status.....[scan status]
|_ user.....[user logged during data collection]
|_ Beamline.....[beamline used to collect data]
|_ flux.....%
|_ shutter.....[state of fast shutter]
|_ Apertures
|_   4-Jaw_1
|_     flow.....l/min
|_     horz_centre.....mm
|_     horz_drain_lower.....A
|_     horz_drain_upper.....A
|_     horz_gap.....mm
|_     temperature.....C
|_     vacuum.....Torr
|_     vert_centre.....mm
|_     vert_drain_lower.....A
|_     vert_drain_upper.....A
|_     vert_gap.....mm
|_   4-Jaw_2
|_     flow.....l/min
|_     horz_centre.....mm
|_     horz_drain_lower.....A
|_     horz_drain_upper.....A
|_     horz_gap.....mm
|_     temperature.....C
|_     vacuum.....Torr
|_     vert_centre.....mm
|_     vert_drain_lower.....A
|_     vert_drain_upper.....A
|_     vert_gap.....mm
|_   Chopper
|_     encoder_pos.....deg
|_     flow.....l/min
|_     motor_pos.....deg
|_     temperature.....C
|_     vacuum.....Torr
|_   Exit_Slit
|_     flow.....l/min
|_     horz_centre.....mm
|_     horz_gap.....mm
|_     roll.....mm
|_     temperature.....C
|_     vacuum.....Torr
|_     vert_gap.....mm
|_   VA
|_     flow.....l/min
|_     horz_centre.....mm
|_     horz_gap.....mm
|_     temperature.....C
|_     vacuum.....Torr
|_     vert_centre.....mm
|_     vert_gap.....mm
|_   Diagnostics
|_     Beam_Diag_1
|_       position.....[preset stage position]
|_       position_mm.....mm
|_     Beam_Diag_2
|_       position.....[preset stage position]
|_       position_mm.....mm
|_     Beam_Diag_3
|_       position.....[preset stage position]
|_       position_mm.....mm
|_     Beam_Diag_4
|_       position.....[preset stage position]
|_       position_mm.....mm
|_     Beam_Diag_5
|_       position.....[preset stage position]
|_       position_mm.....mm
|_   Monochromator
|_     beam.....eV
|_     engy.....eV
|_     grating.....[selected grating]
|_     mirror.....[selected mirror]
|_     temperature.....C
|_     vacuum.....Torr
|_     Grating
|_       enc_offset.....deg
|_       enc_rate.....Hz
|_       enc_sampling.....bins
|_       flow.....l/min
|_       line_density.....unitless
|_       pitch.....deg
|_       pitch_mm.....mm
|_       pitch_offset.....deg
|_       temperature.....C
|_       translation.....mm
|_       translation_mm.....mm
|_       vls_param.....unitless
|_     Mirror
|_       enc_offset.....mmdeg
|_       enc_rate.....Hz
|_       enc_sampling.....bins
|_       flow.....l/min
|_       pitch.....deg
|_       pitch_mm.....mm
|_       pitch_offset.....deg
|_       temperature.....C
|_       translation.....mm
|_       translation_mm.....mm
|_   Optics
|_     M1A
|_       flow.....l/min
|_       pitch.....mm
|_       roll.....mm
|_       temperature.....C
|_       vacuum.....Torr
|_       yaw.....mm
|_     M1B
|_       flow.....l/min
|_       pitch.....mm
|_       roll.....mm
|_       temperature.....C
|_       vacuum.....Torr
|_       yaw.....mm
|_     M3
|_       pitch.....mm
|_       roll.....mm
|_       tran.....mm
|_       vacuum.....Torr
|_       yaw.....mm
|_     M4
|_       pitch.....mm
|_       roll.....mm
|_       vacuum.....Torr
|_       yaw.....mm
|_     M5
|_       pitch.....mm
|_       roll.....mm
|_       tran.....mm
|_       vacuum.....Torr
|_       yaw.....mm
|_   Source
|_     EPU
|_       Q1.....mm
|_       Q2.....mm
|_       Q3.....mm
|_       Q4.....mm
|_       gap.....mm
|_       harmonic.....[selected harmonic]
|_       lian.....deg
|_       offset.....mm
|_       polarization.....[selected polarization]
|_     Ring
|_       BPM1409-05:X.....um
|_       BPM1409-05:Y.....um
|_       BPM1410-01:X.....um
|_       BPM1409-01:Y.....um
|_       BPM1410-02:X.....um
|_       BPM1410-02:Y.....um
|_       K1.....[chicance settings]
|_       K2.....[chicance settings]
|_       K3.....[chicance settings]
|_       K4.....[chicance settings]
|_       K5.....[chicance settings]
|_       energy.....GeV
|_       mode.....[storage ring mode]
|_       ring.....mA

```