

NIRPS

R4 Echelle Grating
70 x 250 mm 31.6 mm⁻¹

ZnSe prism

All correctors are made of Silica

Silica Mirror

Detector 2K x 8K
15 microns pixel

Fiber input

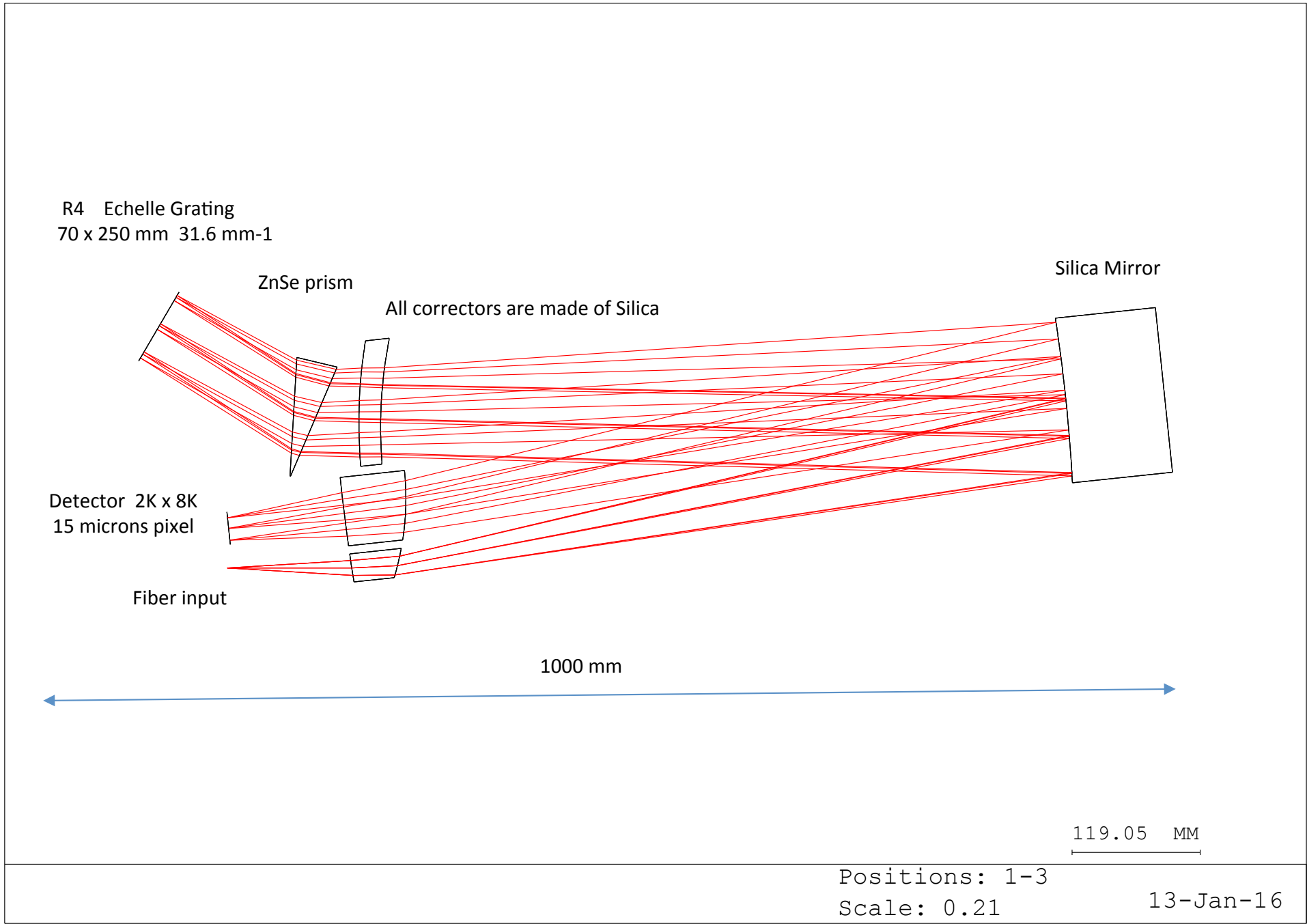
1000 mm

119.05 MM

Positions: 1-3

Scale: 0.21

13-Jan-16





Requires 13 lines /mm Echelle
Cross dispersion difficult



25 lines/mm for full coverage



31.6 lines/mm for full coverage
existing grating

R = 100.000 (computed with 3 pixels) 950 nm - 1820 nm



4 K

Requires 13.3 lines /mm R6 Echelle
Cross dispersion difficult
Faster optic

R = 100.000 (computed with 3 pixels) 950 nm - 1820 nm