

Karl Morris' presentation

Optimized his grating for 2 μ region.

Normally operates at 70 Å resolution

folded radiation from the ~~source~~ low λ into high λ region will tend to smooth out ~~the peaks~~ due to logarithmic ~~the~~ measurement

response of PbS di

\therefore .5 - 2.9 μ (below 1 μ Si detectors are better)

run ~~the~~ source (250 watt W-halogen) at

constant current regulated to .005% \pm .005%

problem with constant voltage is changing resistance of lamp contacts. (one of a pair)

Another problem is lamp filament breaking + recaling, causing change in output

TRANSCRIPT – for searchability

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Response of PbS is $.5 - 2.9 \mu$ (below 1μ Si detectors are better)

Runs source (250 watt W-halogen) at constant current regulated to .002-.005% Problem with constant voltage is changing resistance of lamp contacts. Another problem is lamp filament (one of a pair) breaking and resealing, causing changes in output.