



Start

(a) SAGE III/ISS
negative extinction
filtered data

(b) Compute time series
for perturbed events

(c) Compute extinction
ratios ($r_{\text{ext}}=756/1544$)
from ST1

(d) Compute k_0

(e) r_{ext} above TRP

No

(i) $r_{\text{ext}} > 1.4$

No

(j) Go to (g)

Yes

(f) $r_{\text{ext}} > 1.4$

No

(k) CR1

No

(o) Flag (Aerosol/Cloud
Mixture)

Yes

Yes

(l) Flag (Enhanced
Aer/Trp Cloud)

(g) $k_{(z,\lambda)} > k_0$

No

(m) Flag (Standard
Aerosol)

Yes

(h) Flag (Per-
turbed Aerosol)

Flags output

Stop

(p) Flag (Standard
Aerosol)

(n) $k_{(z,\lambda)} > k_0$

No

Yes