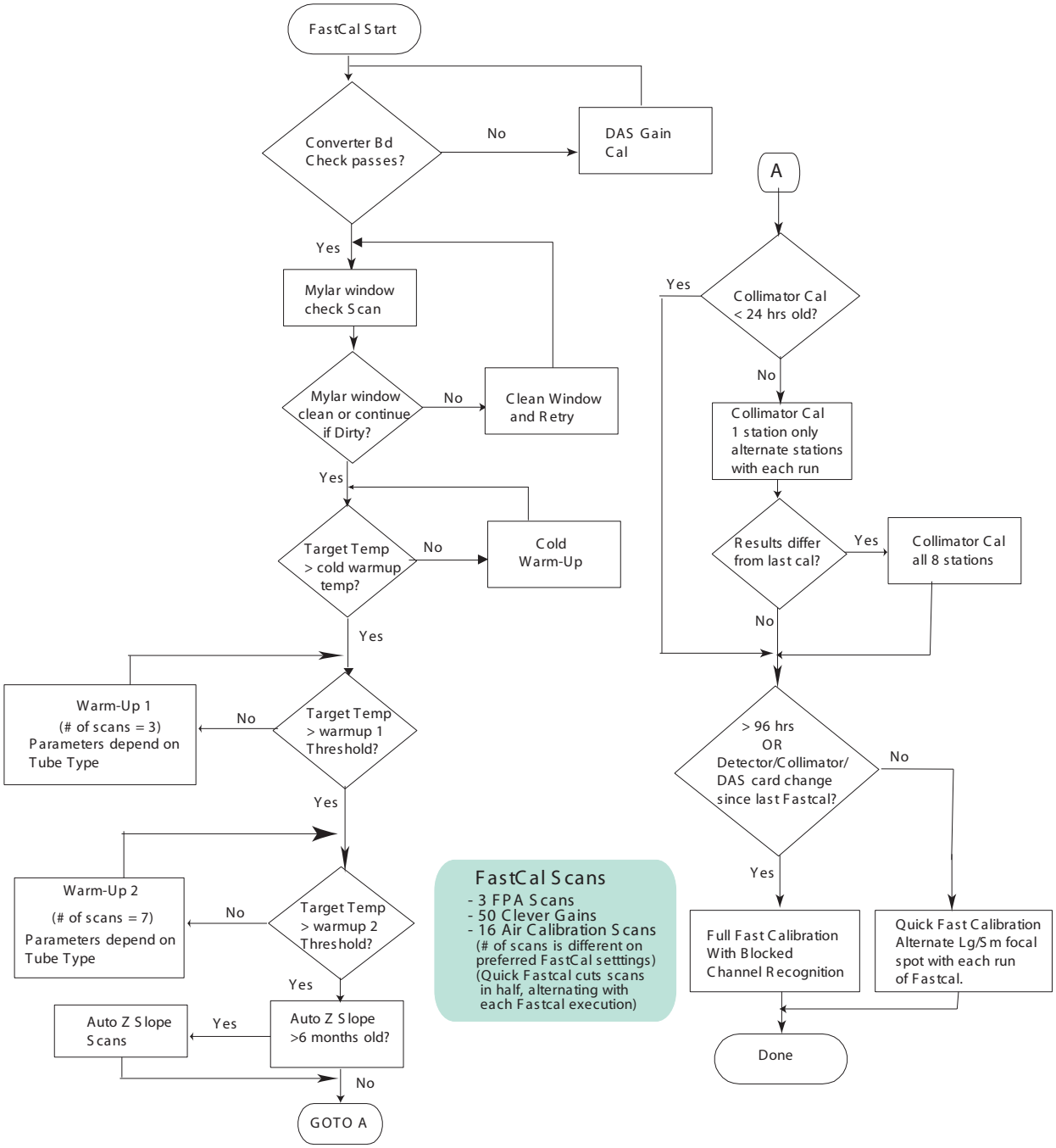
FastCal Start
Converter Bd Check passes?
No
DAS Gain Cal
Yes
Mylar window check Scan
Mylar window clean or continue if Dirty?
No
Clean Window and Retry
Yes
Target Temp > cold warmup temp?
No
Cold Warm-Up
Yes
Warm-Up 1 (# of scans = 3) Parameters depend on Tube Type
No
Target Temp > warmup 1 Threshold?
Yes
Warm-Up 2 (# of scans = 7) Parameters depend on Tube Type
No
Target Temp > warmup 2 Threshold?
Yes
Auto Z Slope Scans
Yes
Auto Z Slope >6 months old?
No
GOTO A
FastCal Scans
- 3 FPA Scans
- 50 Clever Gains
- 16 Air Calibration Scans
(# of scans is different on preferred FastCal setttings)
(Quick Fastcal cuts scans in half, alternating with each Fastcal execution)
A
Yes
Collimator Cal < 24 hrs old?
No
Collimator Cal 1 station only alternate stations with each run
Results differ from last cal?
Yes
Collimator Cal all 8 stations
No
> 96 hrs OR Detector/Collimator/ DAS card change since last Fastcal?
No
Yes
Full Fast Calibration With Blocked Channel Recognition
Quick Fast Calibration Alternate Lg/Sm focal spot with each run of Fastcal.
Done