DATA SOURCES

F-engine 1
M freq channels

F-engine 2
M freq channels

F-engine 3
M freq channels

F-engine N
M freq channels

kM Gb/s

Ethernet
switch

(multicast
enabled)

DATA SINKS

kMN/L Gb/s

X-engine 1
N ant, M/K channels

kMN/L Gb/s

X-engine 2
N ant, M/K channels

kMN/L Gb/s

X-engine L
N ant, M/K channels

kM Gb/s

Spectrometer
1 ant, M channels

X-engines receive a
subset of frequency
channels from all
antennas.

The spectrometer
receives all channels
from a single antenna.