



Assumptions:

Each ACQ: 6 CCDs = 48 Mpixel = 192 MB

Digitization time = 4 Mpixel * 4 μ s = 16 sec

Data rate out (to meet 100 sec cadence):

3-ACQ PAN: 5.76 MBps

2-ACQ PAN: 3.84 MBps

Data rate out (to match 16 sec digitization):

3-ACQ PAN: 36 MBps

2-ACQ PAN: 24 MBps

Guider data: (keep all 100 100x100 pixel images for each of 4 CCDs)

4 40 kB 0.16 MBps to Guide process

The same to IB

Focus data (2 CCDs in each of two backplanes)

5.76/9 0.64 MBps each

Instrumentation produces:

100 kB per image

1 MB to GUI (on observer demand)

Database produces:

100 kB per image

1 MB to GUI (on observer demand)

GUI:

Receives every nth image. (22 MBps/n)