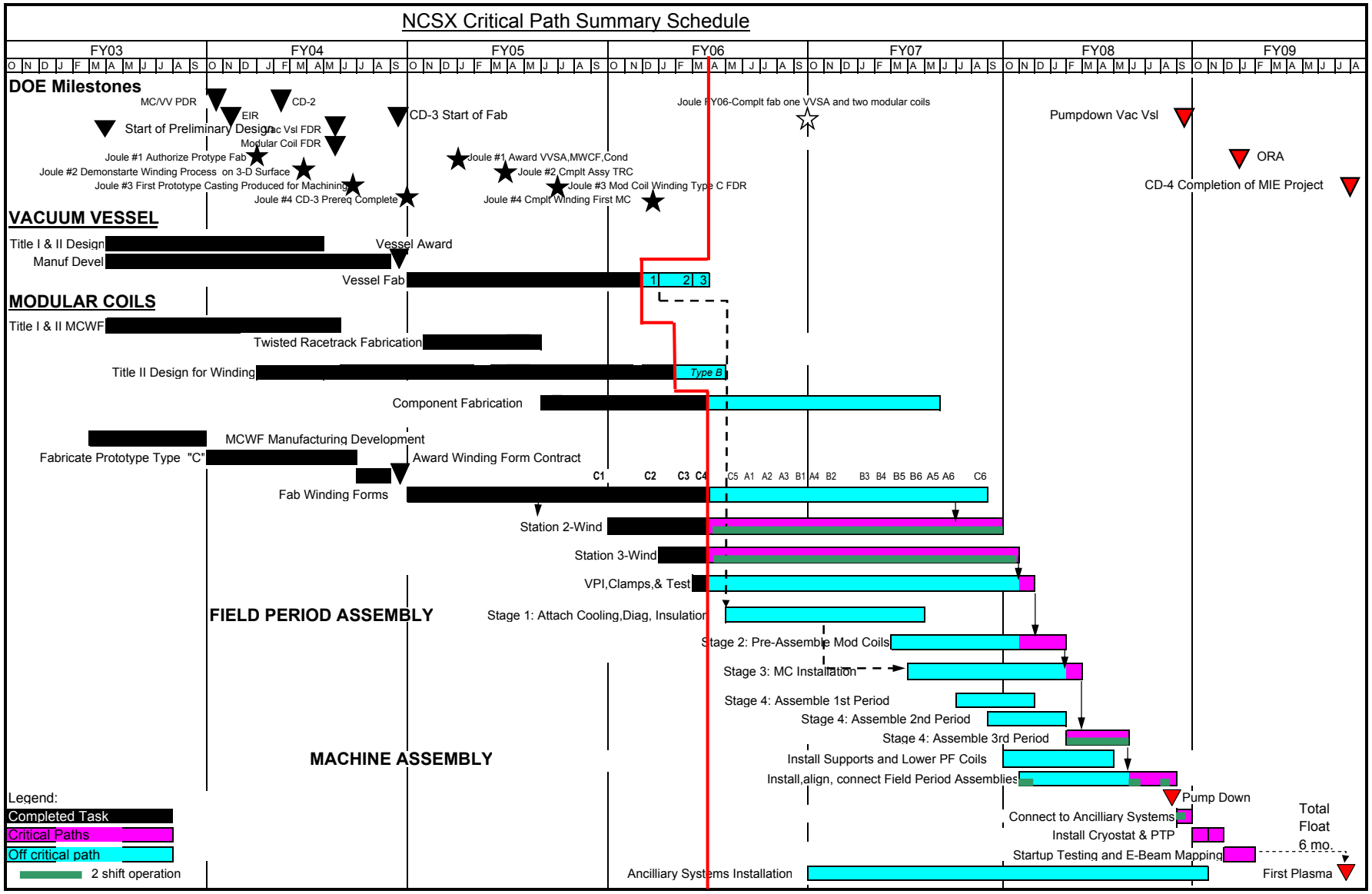
NCSX Critical Path Summary Schedule
FY03
FY04
FY05
FY06
FY07
FY08
FY09
DOE Milestones
MC/VV PDR
CD-2
EIR
Start of Preliminary Design
Vac Vsl FDR
Modular Coil FDR
CD-3 Start of Fab
Joule FY06-Complt fab one VVSA and two modular coils
Pumpdown Vac Vsl
ORA
Joule #1 Authorize Protype Fab
Joule #2 Demonstarte Winding Process on 3-D Surface
Joule #3 First Prototype Casting Produced for Machining
Joule #4 CD-3 Prereq Complete
Joule #1 Award VVSA,MWCF,Cond
Joule #2 Cmplt Assy TRC
Joule #3 Mod Coil Winding Type C FDR
Joule #4 Cmplt Winding First MC
CD-4 Completion of MIE Project
VACUUM VESSEL
Title I & II Design
Manuf Devel
Vessel Award
Vessel Fab
1
2
3
MODULAR COILS
Title I & II MCWF
Twisted Racetrack Fabrication
Title II Design for Winding
Type B
Component Fabrication
MCWF Manufacturing Development
Fabricate Prototype Type "C"
Award Winding Form Contract
C1
C2
C3
C4
C5
A1
A2
A3
B1
A4
B2
B3
B4
B5
B6
A5
A6
C6
Fab Winding Forms
Station 2-Wind
Station 3-Wind
VPI,Clamps,& Test
FIELD PERIOD ASSEMBLY
Stage 1: Attach Cooling,Diag, Insulation
Stage 2: Pre-Assemble Mod Coils
Stage 3: MC Installation
Stage 4: Assemble 1st Period
Stage 4: Assemble 2nd Period
Stage 4: Assemble 3rd Period
MACHINE ASSEMBLY
Install Supports and Lower PF Coils
Install,align, connect Field Period Assemblies
Pump Down
Connect to Ancilliary Systems
Install Cryostat & PTP
Startup Testing and E-Beam Mapping
Total Float 6 mo.
Ancilliary Systems Installation
First Plasma
Legend:
Completed Task
Critical Paths
Off critical path
2 shift operation