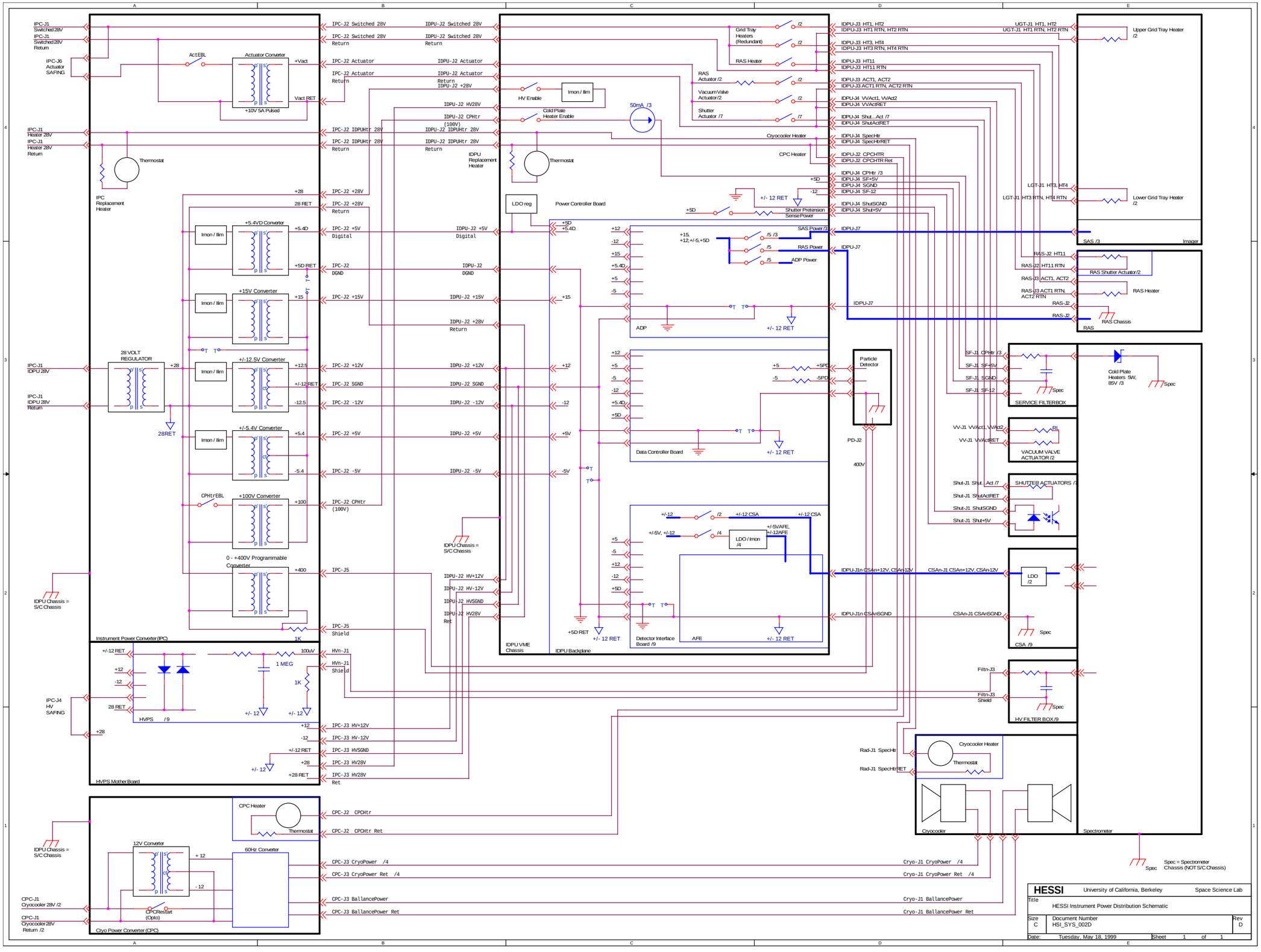
IPC-J1 Switched 28V
IPC-J1 Switched 28V Return
IPC-J6 Actuator SAFING
ActEBL
Actuator Converter
+10V 5A Pulsed
+Vact
Vact RET
IPC-J1 Heater 28V
IPC-J1 Heater 28V Return
Thermostat
IPC Replacement Heater
+28
28 RET
+5.4VD Converter
+15V Converter
28 VOLT REGULATOR
IPC-J1 IDPU 28V
IPC-J1 IDPU 28V Return
28RET
+/-12.5V Converter
+/-5.4V Converter
CPHtrEBL
+100V Converter
0 - +400V Programmable Converter
IDPU Chassis = S/C Chassis
Instrument Power Converter (IPC)
IPC-J4 HV SAFING
HVPS /9
HVPS Mother Board
CPC Heater
12V Converter
60Hz Converter
CPCRestart (Opto)
CPC-J1 Cryocooler 28V /2
CPC-J1 Cryocooler 28V Return /2
Cryo Power Converter (CPC)
IPC-J2 Switched 28V
IPC-J2 Switched 28V Return
IPC-J2 Actuator
IPC-J2 Actuator Return
IPC-J2 IDPUHtr 28V
IPC-J2 IDPUHtr 28V Return
IPC-J2 +28V
IPC-J2 +28V Return
IPC-J2 +5V Digital
IPC-J2 DGND
IPC-J2 +15V
IPC-J2 +12V
IPC-J2 SGND
IPC-J2 -12V
IPC-J2 +5V
IPC-J2 -5V
IPC-J2 CPHtr (100V)
IPC-J5
IPC-J5 Shield
HVn-J1
HVn-J1 Shield
IPC-J3 HV+12V
IPC-J3 HV-12V
IPC-J3 HVSGND
IPC-J3 HV28V
IPC-J3 HV28V Ret
CPC-J2 CPCHtr
CPC-J2 CPCHtr Ret
CPC-J3 CryoPower /4
CPC-J3 CryoPower Ret /4
CPC-J3 BallancePower
CPC-J3 BallancePower Ret
IDPU-J2 Switched 28V
IDPU-J2 Switched 28V Return
IDPU-J2 Actuator
IDPU-J2 Actuator Return
IDPU-J2 +28V
IDPU-J2 HV28V
IDPU-J2 CPHtr (100V)
IDPU-J2 IDPUHtr 28V
IDPU-J2 IDPUHtr 28V Return
IDPU Replacement Heater
IDPU-J2 +5V Digital
IDPU-J2 DGND
IDPU-J2 +15V
IDPU-J2 +28V Return
IDPU-J2 +12V
IDPU-J2 SGND
IDPU-J2 -12V
IDPU-J2 +5V
IDPU-J2 -5V
IDPU-J2 HV+12V
IDPU-J2 HV-12V
IDPU-J2 HVSGND
IDPU-J2 HV28V Ret
HV Enable
Imon / Ilim
Cold Plate Heater Enable
50mA /3
LDO reg
Power Controller Board
Grid Tray Heaters (Redundant)
RAS Heater
RAS Actuator /2
Vacuum Valve Actuator /2
Shutter Actuator /7
Cryocooler Heater
CPC Heater
Shutter Pretension Sense Power
SAS Power /3
RAS Power
ADP Power
ADP
Data Controller Board
Particle Detector
PD-J2
400V
Detector Interface Board /9
AFE
LDO / Imon /4
IDPU VME Chassis
IDPU Backplane
IDPU-J3 HT1, HT2
IDPU-J3 HT1 RTN, HT2 RTN
IDPU-J3 HT3, HT4
IDPU-J3 HT3 RTN, HT4 RTN
IDPU-J3 HT11
IDPU-J3 HT11 RTN
IDPU-J3 ACT1, ACT2
IDPU-J3 ACT1 RTN, ACT2 RTN
IDPU-J4 VVAct1, VVAct2
IDPU-J4 VVActRET
IDPU-J4 Shut...Act /7
IDPU-J4 ShutActRET
IDPU-J4 SpecHtr
IDPU-J4 SpecHtrRET
IDPU-J2 CPCHTR
IDPU-J2 CPCHTR Ret
IDPU-J4 CPHtr /3
IDPU-J4 SF+5V
IDPU-J4 SGND
IDPU-J4 SF-12
IDPU-J4 ShutSGND
IDPU-J4 Shut+5V
IDPU-J7
IDPU-J1n CSAn+12V, CSAn-12V
IDPU-J1n CSAnSGND
UGT-J1 HT1, HT2
UGT-J1 HT1 RTN, HT2 RTN
Upper Grid Tray Heater /2
LGT-J1 HT3, HT4
LGT-J1 HT3 RTN, HT4 RTN
Lower Grid Tray Heater /2
SAS /3
Imager
RAS-J2 HT11
RAS-J2 HT11 RTN
RAS-J3 ACT1, ACT2
RAS-J3 ACT1 RTN, ACT2 RTN
RAS-J2
RAS Shutter Actuator /2
RAS Heater
RAS Chassis
RAS
SF-J1 CPHtr /3
SF-J1 SF+5V
SF-J1 SGND
SF-J1 SF-12
SERVICE FILTERBOX
Cold Plate Heaters 5W, 85V /3
Spec
VV-J1 VVAct1, VVAct2
VV-J1 VVActRET
VACUUM VALVE ACTUATOR /2
Shut-J1 Shut...Act /7
Shut-J1 ShutActRET
Shut-J1 ShutSGND
Shut-J1 Shut+5V
SHUTTER ACTUATORS /7
CSAn-J1 CSAn+12V, CSAn-12V
CSAn-J1 CSAnSGND
LDO /2
CSA /9
Filtn-J3
Filtn-J3 Shield
HV FILTER BOX /9
Rad-J1 SpecHtr
Rad-J1 SpecHtrRET
Cryocooler
Spectrometer
Cryo-J1 CryoPower /4
Cryo-J1 CryoPower Ret /4
Cryo-J1 BallancePower
Cryo-J1 BallancePower Ret
Spec = Spectrometer Chassis (NOT S/C Chassis)
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