INTERLOCK PANEL

TO RLY1–9 (SHEET 6)

TO J405 PIN–17

TO 24V SUPPLY

J1
1 +24V
2 GND

EL–3603
RELAY
DRIVER

DEPLOY PRIMARY LIMIT
RLY6
1 DPL (B, A)
1N4004

DEPLOY SECONDARY LIMIT
RLY12
2 DPL (B, A)
1N4004

RETRACT PRIMARY LIMIT
RLY5
1 RET (B, A)
1N4004

RETRACT SECONDARY LIMIT
RLY11
2 RET (B, A)
1N4004

+24V
2N4403 Q12 R24 4.7k
2N4403 Q14 R22 4.7k
2N4403 Q11 R23 4.7k
2N4403 Q13 R21 4.7k

J2: 4, 2, 3, 1

J3: 4, 2, 3, 1

TO IOM–1964 PIN 29
TO IOM–1964 PIN 33

INTERLOCK PANEL

J406: 4, 7, 6, 3, 5, 2, 8, 9

J302: r, R, U, u, P, t, CC, T, L, s

V_LIMIT	r	r	r
HOME	R	R	R
1DPL	U	U	U
2DPL	u	u	u
1RET	P	P	P
2RET	t	t	t
FWD_LIM_CONN	CC	CC	CC
GND	T	T	T
EMERGENCY STOP	L	L	L
GND	s	s	s

ELECTRONICS BOX

CABLE BETWEEN ELECTRONICS ENCLOSURE AND HIRES VAULT BULKHEAD

HIRES VAULT INTERCONNECT PANEL

CABLE THROUGH CABLE WRAP TO CASS TERTIARY TOWER

J502: r, R, U, u, P, t, CC, T, L, s

INTERCONNECT PANEL AT INSTRUMENT

J604: A, E, D, C, G, F, H, J

HOME
V_LIMIT
PRI LIM HOME
HOME
GND

V_LIMIT
PRI LIM DEPLOY
DEPLOY PRIMARY LIMIT
GND

V_LIMIT
2nd LIM DEPLOY (OUT)
DEPLOY SECONDARY LIMIT
GND

V_LIMIT
PRI LIM RETRACT
RETRACT PRIMARY LIMIT
GND

V_LIMIT
2nd LIM RETRACT (OUT)
RETRACT SECONDARY LIMIT
GND

EMERGENCY STOP

REVISION

06–21–04 CORRECTED CONNECTOR AND PIN NUMBERS FOR J406
09–08–04 ADDED RELAY DESIGNATORS, CORRECTED HOME SIGNAL CONNECTOR, AND ADDED RELAY DRIVER BOARD
09–30–04 SWAPPED POSITION OD HOME AND DEPLOY SENSOR FOR CLARITY
10–29–04 ADDED EMERGENCY STOP SWITCH WIRING
03–12–07 FIXED DEPLOY PRIMARY LIMIT LABEL

UNIVERSITY OF CALIFORNIA
LICK OBSERVATORY

KECK ADC
LIMIT INTERLOCK

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