

Operators: _____ Date: _____ Time: _____ Shot #: _____

Notes: _____

Piston Mass: _____ kg

Diaphragm Thickness: _____

Expected burst pressure: _____ MPa Value: _____ MPa

Position Tunnel correctly	LVDT1: setting: _____ value: _____	<input type="radio"/>	A
	LVDT2: setting: _____ value: _____	<input type="radio"/>	

Turn off blower ☐Open SV-24 (DT pressure gage) ☐SV-23 (DT vacuum gage) ☐HS-20 (DT vacuum pump isolation valve) ☐Close HS-19 (DT vacuum pump vent) ☐HS-21 (DT vent) ☐Turn on cooling water for DT pump ☐Turn on PO/3 (DT vacuum pump) ☐Open V-17 (ST vacuum valve) ☐Close V-18 (ST vacuum pump vent valve) ☐Turn on PO/2 (ST vacuum pump) ☐Open SV-25A (ST pressure gage) ☐SV-25B (ST pressure gage) ☐SV-26 (ST vacuum gage) ☐V-14a, V-14b, V-14c (ST Isolation Valves) ☐Close 2R pressure isolation valve (near P1) ☐Open V-11 (High pressure CT isolation) ☐V-8 (CT vacuum) ☐V-7 (CT/2R vacuum valve) ☐V-12 (CT/2R/PS vacuum valve) ☐Close ZS-4 manual and remote (emergency 2R vent) ☐ZS-13 (CT vacuum pump vent valve) ☐Turn on PO/1 (2R, Piston Space and CT vacuum pump) ☐Open SV-29 (CT vacuum gage) ☐SV-27 (2R vacuum gage) ☐SV-31 (PS vacuum gage) ☐ DOpen CT gauge(s) ☐Flex Hose: (Top valve closed)(Bot valve Open) ☐Wait 30 - 60 minutes for vacuum ☐WARNING LIGHTS ON (P1). Verify door is closed ☐Check vacuum levels DT: _____ mmHg ☐ST: _____ mmHg ☐CT: _____ mmHg ☐2R: _____ mmHg ☐PS: _____ mmHg ☐Disconnect nozzle support trolley ☐Isolate ST vacuum valve (V-17) ☐Turn off ST vacuum pump (PO/2) ☐Open ST vacuum pump vent valve (V18) ☐Isolate ST vacuum gauge (SV-26) ☐Close V-14a (ST vac pump isolation) ☐Close V-14b (ST vac gauge isolation) ☐

Action				Check	Signal
Fill ST	gas: _____	setting: _____	kPa absolute	<input type="radio"/>	
	(multiply setting by 20)	thumbwheel: _____		<input type="radio"/>	
		value: _____		<input type="radio"/>	
Press hand switch HS-C3 to confirm ST pressure				<input type="radio"/>	
Close V-14c (Fill line isolation)				<input type="radio"/>	
Isolate DT pressure gauge, HS-24				<input type="radio"/>	
Close ZS-20 (DT vacuum isolation)				<input type="radio"/>	
Turn off HS-3 (dump tank vacuum pump)				<input type="radio"/>	
Open vent HS-19 (DT vacuum pump vent)				<input type="radio"/>	
Close V-8 (CT isolation)				<input type="radio"/>	E
Close (ST gages): SV-25A & SV-25B				<input type="radio"/>	F
Close SV-29 (CT vacuum gage)				<input type="radio"/>	G
Fill CT	gas: _____	vacuum: _____	kPa gage		
		setting: _____	kPa absolute		
		thumbwheel: _____	kPa gage		
		value: _____	kPa gage	<input type="radio"/>	
Absolute pressure desired: _____					
	gas: _____				
		setting: _____	kPa absolute		
		thumbwheel: _____	kPa gage		
		value: _____	kPa gage	<input type="radio"/>	
Close V-11 (CT high pressure isolation valve)				<input type="radio"/>	H
Close V-7 (CT/2R vacuum)				<input type="radio"/>	
Close SV-23 (DT vacuum gage)				<input type="radio"/>	I,J
Close SV-27 (2R vacuum gage)				<input type="radio"/>	
2R Temperature before _____ °C				<input type="radio"/>	
Fill 2R:		setting: _____	PSI gage		
		thumbwheel: _____	PSI gage		
		value: _____	PSI gage	<input type="radio"/>	
Check for changes in tunnel position CT: _____ CT-2R: _____				<input type="radio"/>	
Desired tunnel position CT: _____ CT-2R: _____				<input type="radio"/>	
Toggle Dry Run Relay box to "Experiment"				<input type="radio"/>	
Arm "T5 das"				<input type="radio"/>	
Isolate flex hose (bottom valve)				<input type="radio"/>	
Confirm 2R pressure, Hand switch HS-C1				<input type="radio"/>	
Isolate 2R gage				<input type="radio"/>	
Confirm isolation, Hand switch HS-28				<input type="radio"/>	K,L
Close SV-31 (PS vacuum gage)				<input type="radio"/>	M
Confirm CT pressure, Hand switch HS-C2		value: _____	kPa gage	<input type="radio"/>	N
Isolate CT gage				<input type="radio"/>	
Confirm isolation, Hand Switch HS-30				<input type="radio"/>	O
2R Temperature after _____ °C				<input type="radio"/>	
Close V-12 (2R vacuum)				<input type="radio"/>	P
Open V-13 to vent CT vacuum pump				<input type="radio"/>	
Turn off CT vacuum pump (PO/1)				<input type="radio"/>	
READY TO FIRE		Time: _____		<input type="radio"/>	
Press and hold down firing buttons				<input type="radio"/>	
Make the Tunnel Safe				<input type="radio"/>	
Open V-4				<input type="radio"/>	
Open Flex Hose Isolation Valves				<input type="radio"/>	
Reconnect nozzle support trolley				<input type="radio"/>	