

Target Module Connection and Disconnection Procedure		
Document-141576	Release No. 2	Release Date: 2018-02-21

11	<p>a) Water Lines:</p> <ol style="list-style-type: none"> 1. Target Oven ✓ 2. Tube Heater ✓ 3. MSP ✓ 4. EE ✓ 5. HS ✓ 6. Window ✓ 7. Coil 1 ✓ 8. Coil 2 (ITE only) ✓ <p>b) HS line Purging ✓</p>	<p>a) Water Lines</p> <ol style="list-style-type: none"> 1. Leave bypass loop on 2. Leave bypass loop on 8. Leave bypass loop on for TM2 <p>b) 5 minutes 50 psi inert gas</p>	OK ✓
12	<p>High Current Cables:</p> <ol style="list-style-type: none"> a) (A)Target Oven + ✓ b) (B)Target Oven - ✓ c) (C)Tube heater - ✓ d) (D)Tube Heater + ✓ e) (H)60KV Bias ✓ f) (PQ)Coil + NA g) (RU)Coil - NA 	<p>f) FEBIAD target only</p> <p>g) FEBIAD target only</p>	OK ✓
13	<p>Vacuum System</p> <ol style="list-style-type: none"> a) TP1 Controller cable ✓ b) TP2 Controller cable ✓ c) TP1 BV1 ✓ d) TP2 BV2 ✓ e) IG1 ✓ f) PNG4 (TM4 only) ✓ TP1 TP2 Fans ✓ 	<ol style="list-style-type: none"> a) Connectors on pumps c) KF 25 between BVs. Foil cover BVs, 24 V DC plug d) KF 25 between BVs Foil cover BVs, 24 V DC plug e) Beside the shutter, use PNG1 cable f) Switch off all fans (2 of 110 V Plugs for ITW, Switch on Extension bar for ITE) 	OK ✓
14	<p>Steers</p> <p>ITE:</p> <ul style="list-style-type: none"> • Left ✓ • Top ✓ • Bottom } ✓ • Right } ✓ <p>ITW:</p> <ul style="list-style-type: none"> • X • Y • Common 	<p>3 HV connectors</p> <p>(Ion gauge should be switched off as it will be hot to the touch if left on)</p>	OK ✓
15	Final Check	Module is clear for move	OK ✓
16	Return Work Permit and E-log Entry	Call RIB operators (ext. 7500) Call Main Control Room (ext. 7333)	✓

NOTES:

TARGET: UCx229
 TARGET MOUDLE: TM1 TM2 TM3 (TM4)
 STATION: ITW (ITE)
 SIGNATURE 1: *Wang*
 SIGNATURE 2: *Ashe*

DATE: 2018-09-16/17
 DOSE 1: 0.056 mSv (807)
 DOSE 2: 0.085 mSv 849