

PHILIPS XL20/30/40 SCHEDULE

CUSTOMER : _____

INSTRUMENT : _____

DATE : ____ / ____ / ____ MAJOR MINOR SERVICE

NOTE DOWN

SERIAL NO	
SOFTWARE VERSION	
TYPE OF ED SYSTEM	
ACCESSOIRIES <small>(BSD, Ion pump, cryo stage, printers, photo unit, additional monitor, etc..)</small>	

INITIAL CHECKS

Disuss with customer general performance	
Run diagnostic software and note errors	

CHECK CONDITION OF	GOOD	NEEDS ATT.	COMMENTS
STAGE MOVEMENT (run HOME STAGE in diag software)			
SCINTILLATOR			
COLUMN LINER			
VACUUM pump down time <small>(check in diag software)</small>			
SUSPENSION			
WATER FLOW <small>(check flow meter)</small>			
GUN CERAMIC			
COMPRESSED AIR			
KEYBOARD, MOUSE			
PRINTER			
CHECK ED TIP FOR OIL			
ION PUMP			

CLEANING, POLISHING AND CHECKING OF:

	DONE	COMMENTS
WHENELT CAP		
GUN CERAMIC		
APERTURES		
COLUMN LINER		
FINAL APP.		
SCINTILLATOR GRID		
ED DETECTOR TIP (clean with Petroleum/Ether)		
CHECK O-RINGS		
CHAMBER		
VACUUM VALVES		
CHANGE RV PUMP OIL		
CHECK DIFF/TMP OIL		
PENNING GAUGE		
MAIN CONSOLE		
COLUMN SHELL		
KEYBOARD, MOUSE		
MONITOR		
PHOTO CRT		
NOISY FANS		
BLOWN BULBS		
COMPRESSOR (drain water)		

OPERATIONAL CHECKS

	GOOD	COMMENTS
VACUUM (Pumpdown time)		
FILAMENT STABILITY		
CHECK BSD		
AUTO CONTR/BRIGHTNESS		
STIGMATISM (30kV/5kV)		
	GOOD	COMMENTS

DIFF. PUMP COOLING				
RESOLUTION				
MECH VIBRATION		(10mm between column and console)		
CHECK MAINS SUPPLY		Vac:		
DC SUPPLIES (measure on DCB board)		X80	+5V	V
		X81	+5V	V
		X85	+24V	V
		X95	+15V	V
		X92	-15V	V
PRINTOUT				
E.D.S. RESOLUTION		Cu K:	L:	

GENERAL COMMENTS

Make two copies of the MD.TXT file. One for the customer, one for saFe keeping at ANASPEC

SERVICE ENGINEER

CUSTOMER SIGNATURE

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