## **PMT Non-Linearity Pre-Tests Checklist**

PMI	Serial:	•••••		Ivan	ıe:	(Init	iais)
Start	date:	(	YYYY-M	M-DD)	Time:	(hh-n	nm)
Base-	stages:	High Volt	age:	•••••	V Operational	Time:	h
Notes	S			•••••	•••••	•••••	
01. S	top the data colle	ection script					
02. T	urn off all the po	wer supplies <b>(HV</b>	, DCsup	ply, Ph	otodiode Temp.	, Photodiode An	ոթ.) 🗌
03. N	lote down the op	erational time for	the prev	ious PM	AT (on paper an	d spreadsheet) -	
	wap the PMT						
05. C	Connect the <b>unita</b>	<b>ry gain base</b> to t	he new P	MT wit	th HV cable		
06. R	temove the PMT	cap and set the di	istance b	etween	PMT and filter v	vheel to <b>14cm</b>	
07. C	Cover the PMT an	nd filter wheel wit	th the car	rdboard	dark box		
		rk box and place			•		
		C-ch3= <b>2V (Cons</b> t		•			
10. R		ts using the Picoa	mmeter	(Wait u	-		ter) [
ı		1 stage	1		For 3		1
	Constant LED	Cathode Current			Constant LED	Cathode Current	
	Voltage (V)	(nA)			Voltage (V)	(nA)	10
-v7			7 nA	-v12			12 n/
-v9			9 nA	-v15			15 n/
-v12			12 nA	-v18			18 nA
11 T	l	4l			d A C	`	Г
		nmeter from the p		•		•	<u> </u>
	furn off the HV p	11 0					
	_	<b>base</b> to the new					
	•	e between PMT a					_
		nd filter wheel wit					
		and place the keg age Power Supply					=
	_	l DC Power supply			_	,	=
		diode temperature	-				=
	_	liode temperature liode amplifier ba					
	tun the "record.						
		un to complete					
		oltage if the max					∟ nıf
		into the data colle					
	-	ent cannot be set to		- '		*	L