

**SUSTAINED      F = -0.2      I<sub>p</sub> = 400kA**

Diode	SXR1	SXR2	SXR3	SXR4
1	5 × 10 <sup>7</sup>			
2	2 × 10 <sup>7</sup>		2 × 10 <sup>7</sup>	2 × 10 <sup>7</sup>
3	2 × 10 <sup>7</sup>			
4	2 × 10 <sup>7</sup>		2 × 10 <sup>7</sup>	2 × 10 <sup>7</sup>
5	2 × 10 <sup>7</sup>	2 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
6	1 × 10 <sup>7</sup>		1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
7	5 × 10 <sup>6</sup>	5 × 10 <sup>6</sup>	1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
8	5 × 10 <sup>6</sup>	5 × 10 <sup>6</sup>	1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
9	5 × 10 <sup>6</sup>	5 × 10 <sup>6</sup>	1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
10	5 × 10 <sup>6</sup>	5 × 10 <sup>6</sup>	1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
11	5 × 10 <sup>6</sup>	5 × 10 <sup>6</sup>	1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
12	5 × 10 <sup>6</sup>	5 × 10 <sup>6</sup>	1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
13	5 × 10 <sup>6</sup>	5 × 10 <sup>6</sup>	1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
14	5 × 10 <sup>6</sup>	5 × 10 <sup>6</sup>	1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
15	1 × 10 <sup>7</sup>		1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
16	2 × 10 <sup>7</sup>	2 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>	1 × 10 <sup>7</sup>
17	2 × 10 <sup>7</sup>		2 × 10 <sup>7</sup>	2 × 10 <sup>7</sup>
18	2 × 10 <sup>7</sup>			
19	2 × 10 <sup>7</sup>		2 × 10 <sup>7</sup>	2 × 10 <sup>7</sup>
20	5 × 10 <sup>7</sup>			

**→ TO BE CHECKED FOR SXR3 AND SXR4!!**

- SXR TOMOGRAPHY: - curved Beryllium foils, thickness about 15μm  
 - offset pinhole = 0.0 mm  
 - no dividers installed on amplifiers  
 - no rings (5 or 10 mm) on probes

$F = 0$  $I_p = 400\text{kA}$ 

Diode	SXR1	SXR2	SXR3	SXR4
1	$5 \times 10^7$	$5 \times 10^7$	$5 \times 10^7$	$5 \times 10^7$
2	$5 \times 10^7$		$5 \times 10^7$	$5 \times 10^7$
3	$5 \times 10^7$	$5 \times 10^7$	$5 \times 10^7$	$5 \times 10^7$
4	$5 \times 10^7$		$5 \times 10^7$	$5 \times 10^7$
5	$5 \times 10^7$	$5 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$
6	$5 \times 10^7$		$2 \times 10^7$	$2 \times 10^7$
7	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$
8	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$
9	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$
10	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$
11	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$
12	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$
13	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$
14	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$
15	$5 \times 10^7$		$2 \times 10^7$	$2 \times 10^7$
16	$5 \times 10^7$	$5 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$
17	$5 \times 10^7$		$5 \times 10^7$	$5 \times 10^7$
18	$5 \times 10^7$	$5 \times 10^7$	$5 \times 10^7$	$5 \times 10^7$
19	$5 \times 10^7$		$5 \times 10^7$	$5 \times 10^7$
20	$5 \times 10^7$	$5 \times 10^7$	$5 \times 10^7$	$5 \times 10^7$

→ TO BE CHECKED FOR SXR3 AND SXR4!!

- SXR TOMOGRAPHY:
- curved Beryllium foils, thickness about  $15\mu\text{m}$
  - offset pinhole =  $0.0\text{ mm}$
  - no dividers installed on amplifiers
  - no rings (5 or 10 mm) on probes

**SUSTAINED****F = -0.2****I<sub>p</sub> = 500-550kA**

Diode	SXR1	SXR2	SXR3	SXR4
1	$2 \times 10^7$	$2 \times 10^7$	$5 \times 10^6$	$5 \times 10^6$
2	$2 \times 10^7$		$5 \times 10^6$	$5 \times 10^6$
3	$1 \times 10^7$	$1 \times 10^7$	$2 \times 10^6$	$2 \times 10^6$
4	$1 \times 10^7$		$2 \times 10^6$	$2 \times 10^6$
5	$1 \times 10^7$	$1 \times 10^7$	$2 \times 10^6$	$2 \times 10^6$
6	$2 \times 10^6$		$2 \times 10^6$	$2 \times 10^6$
7	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$
8	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$
9	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$
10	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$
11	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$
12	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$
13	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$
14	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$	$2 \times 10^6$
15	$2 \times 10^6$		$2 \times 10^6$	$2 \times 10^6$
16	$1 \times 10^7$	$1 \times 10^7$	$2 \times 10^6$	$2 \times 10^6$
17	$1 \times 10^7$		$2 \times 10^6$	$2 \times 10^6$
18	$1 \times 10^7$	$1 \times 10^7$	$2 \times 10^6$	$2 \times 10^6$
19	$2 \times 10^7$		$5 \times 10^6$	$5 \times 10^6$
20	$2 \times 10^7$	$2 \times 10^7$	$5 \times 10^6$	$5 \times 10^6$

**→ TO BE CHECKED, ALL PROBES!!**

- SXR TOMOGRAPHY: - curved Beryllium foils, thickness about 15μm  
 - offset pinhole = 0.0 mm  
 - no dividers installed on amplifiers  
 - no rings (5 or 10 mm) on probes

PPCD

 $I_p = 200\text{kA}$ 

Diode	SXR1	SXR2	SXR3	SXR4
1	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$
2	$2 \times 10^7$		$2 \times 10^7$	$2 \times 10^7$
3	$2 \times 10^7$	$2 \times 10^7$	$1 \times 10^7$	$1 \times 10^7$
4	$2 \times 10^7$		$1 \times 10^7$	$1 \times 10^7$
5	$2 \times 10^7$	$2 \times 10^7$	$5 \times 10^6$	$5 \times 10^6$
6	$1 \times 10^7$		$5 \times 10^6$	$5 \times 10^6$
7	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$
8	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$
9	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$
10	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$
11	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$
12	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$
13	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$
14	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$	$5 \times 10^6$
15	$1 \times 10^7$		$5 \times 10^6$	$5 \times 10^6$
16	$2 \times 10^7$	$2 \times 10^7$	$5 \times 10^6$	$5 \times 10^6$
17	$2 \times 10^7$		$1 \times 10^7$	$1 \times 10^7$
18	$2 \times 10^7$	$2 \times 10^7$	$1 \times 10^7$	$1 \times 10^7$
19	$2 \times 10^7$		$2 \times 10^7$	$2 \times 10^7$
20	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$	$2 \times 10^7$

→ TO BE CHECKED, ALL PROBES!!

- SXR TOMOGRAPHY: - curved Beryllium foils, thickness about 15 $\mu\text{m}$   
 - offset pinhole = 0.0 mm  
 - no dividers installed on amplifiers  
 - no rings (5 or 10 mm) on probes

PPCD

$I_p = 400\text{kA}$

Diode	SXR1	SXR2	SXR3	SXR4
1	$1 \times 10^7$	$1 \times 10^7$	$1 \times 10^6$	$1 \times 10^6$
2	$5 \times 10^6$		$1 \times 10^6$	$1 \times 10^6$
3	$2 \times 10^6$	$2 \times 10^6$	$1 \times 10^6$	$1 \times 10^6$
4	$1 \times 10^6$		$1 \times 10^6$	$1 \times 10^6$
5	$1 \times 10^6$	$1 \times 10^6$	$1 \times 10^6$	$1 \times 10^6$
6	$5 \times 10^5$		$1 \times 10^6$	$1 \times 10^6$
7	$5 \times 10^5$	$5 \times 10^5$	$1 \times 10^6$	$1 \times 10^6$
8	$5 \times 10^5$	$5 \times 10^5$	$1 \times 10^6$	$1 \times 10^6$
9	$5 \times 10^5$	$5 \times 10^5$	$1 \times 10^6$	$1 \times 10^6$
10	$5 \times 10^5$	$5 \times 10^5$	$1 \times 10^6$	$1 \times 10^6$
11	$5 \times 10^5$	$5 \times 10^5$	$1 \times 10^6$	$1 \times 10^6$
12	$5 \times 10^5$	$5 \times 10^5$	$1 \times 10^6$	$1 \times 10^6$
13	$5 \times 10^5$	$5 \times 10^5$	$1 \times 10^6$	$1 \times 10^6$
14	$5 \times 10^5$	$5 \times 10^5$	$1 \times 10^6$	$1 \times 10^6$
15	$5 \times 10^5$		$1 \times 10^6$	$1 \times 10^6$
16	$1 \times 10^6$	$1 \times 10^6$	$1 \times 10^6$	$1 \times 10^6$
17	$1 \times 10^6$		$1 \times 10^6$	$1 \times 10^6$
18	$2 \times 10^6$	$2 \times 10^6$	$1 \times 10^6$	$1 \times 10^6$
19	$5 \times 10^6$		$1 \times 10^6$	$1 \times 10^6$
20	$1 \times 10^7$	$1 \times 10^7$	$1 \times 10^6$	$1 \times 10^6$

→ TO BE CHECKED FOR SXR3 AND SXR4!!

- SXR TOMOGRAPHY:
- curved Beryllium foils, thickness about 15 $\mu\text{m}$
  - offset pinhole = 0.0 mm
  - no dividers installed on amplifiers
  - no rings (5 or 10 mm) on probes

PPCD

 $I_p = 500-550\text{kA}$ 

Diode	SXR1	SXR2	SXR3	SXR4
1	$2 \times 10^6$	$2 \times 10^6$	$5 \times 10^5$	$5 \times 10^5$
2	$2 \times 10^6$		$5 \times 10^5$	$5 \times 10^5$
3	$1 \times 10^6$	$1 \times 10^6$	$2 \times 10^5$	$2 \times 10^5$
4	$1 \times 10^6$		$2 \times 10^5$	$2 \times 10^5$
5	$5 \times 10^5$	$5 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$
6	$2 \times 10^5$		$2 \times 10^5$	$2 \times 10^5$
7	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$
8	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$
9	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$
10	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$
11	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$
12	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$
13	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$
14	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$
15	$2 \times 10^5$		$2 \times 10^5$	$2 \times 10^5$
16	$5 \times 10^5$	$5 \times 10^5$	$2 \times 10^5$	$2 \times 10^5$
17	$1 \times 10^6$		$2 \times 10^5$	$2 \times 10^5$
18	$1 \times 10^6$	$1 \times 10^6$	$2 \times 10^5$	$2 \times 10^5$
19	$2 \times 10^6$		$5 \times 10^5$	$5 \times 10^5$
20	$2 \times 10^6$	$2 \times 10^6$	$5 \times 10^5$	$5 \times 10^5$

→ TO BE CHECKED, ALL PROBES!!

- SXR TOMOGRAPHY: - curved Beryllium foils, thickness about 15 $\mu\text{m}$   
 - offset pinhole = 0.0 mm  
 - no dividers installed on amplifiers  
 - no rings (5 or 10 mm) on probes