

Table 1 Values of $T_{\text{eq}}(\text{K})$, $T_{\text{eq}*}(\text{K})$, B_* (Gauss) and γ_{n*} for different pitch angles when $T_n = T_{\text{eq}}$.

$\theta(^{\circ})$	T_{eq}	T_{eq}/δ	B_*	γ_{n*}
0.72	$3.2 \cdot 10^{13}$	$1.1 \cdot 10^{12}$	$7.9 \cdot 10^{-3}$	$1.7 \cdot 10^3$
1.43	$2.1 \cdot 10^{13}$	$7.0 \cdot 10^{11}$	$9.4 \cdot 10^{-3}$	$1.1 \cdot 10^3$
2.87	$1.4 \cdot 10^{13}$	$4.5 \cdot 10^{11}$	$1.1 \cdot 10^{-2}$	$7.2 \cdot 10^2$
5.73	$8.8 \cdot 10^{12}$	$2.9 \cdot 10^{11}$	$1.3 \cdot 10^{-2}$	$4.7 \cdot 10^2$
11.5	$5.7 \cdot 10^{12}$	$1.9 \cdot 10^{11}$	$1.6 \cdot 10^{-2}$	$3.1 \cdot 10^2$
17.2	$4.5 \cdot 10^{12}$	$1.5 \cdot 10^{11}$	$1.7 \cdot 10^{-2}$	$2.4 \cdot 10^2$
22.9	$3.8 \cdot 10^{12}$	$1.3 \cdot 10^{11}$	$1.8 \cdot 10^{-2}$	$2.0 \cdot 10^2$
28.7	$3.3 \cdot 10^{12}$	$1.1 \cdot 10^{11}$	$1.9 \cdot 10^{-2}$	$1.8 \cdot 10^2$
57.3	$2.4 \cdot 10^{12}$	$7.9 \cdot 10^{10}$	$2.2 \cdot 10^{-2}$	$1.3 \cdot 10^2$

Table 2 Values of u_{m*} (erg cm^3), u_{e*} (erg cm^3) and $u_{\text{syn}*}$ (erg cm^3) for different pitch angles when $T_n = T_{\text{eq}}$

$\theta(^{\circ})$	u_{m*}	u_{e*}	$u_{\text{syn}*}$
0.72	$2.5 \cdot 10^{-6}$	$2.5 \cdot 10^{-6}$	$2.8 \cdot 10^{-11}$
1.43	$3.5 \cdot 10^{-6}$	$3.5 \cdot 10^{-6}$	$7.2 \cdot 10^{-10}$
2.87	$4.9 \cdot 10^{-6}$	$4.9 \cdot 10^{-6}$	$1.9 \cdot 10^{-10}$
5.73	$7.0 \cdot 10^{-6}$	$7.0 \cdot 10^{-6}$	$4.9 \cdot 10^{-10}$
11.5	$9.8 \cdot 10^{-6}$	$9.8 \cdot 10^{-6}$	$1.3 \cdot 10^{-9}$
17.2	$1.2 \cdot 10^{-5}$	$1.2 \cdot 10^{-5}$	$2.2 \cdot 10^{-9}$
22.9	$1.4 \cdot 10^{-5}$	$1.4 \cdot 10^{-5}$	$3.2 \cdot 10^{-9}$
28.7	$1.5 \cdot 10^{-5}$	$1.5 \cdot 10^{-5}$	$4.2 \cdot 10^{-9}$
57.3	$1.8 \cdot 10^{-5}$	$1.8 \cdot 10^{-5}$	$9.3 \cdot 10^{-9}$

Table 3 Values of $E_{\text{em}*}$, $E_{\text{ssc}*}$, $E_{\text{syne}*}$ and $t_{\frac{1}{2}, \text{syn}+1\text{c}+2\text{c}*}$ (yr) for different pitch angles when $T_n = T_{\text{eq}}$.

$\theta(^{\circ})$	$E_{\text{em}*}$	$E_{\text{ssc}*}$	$E_{\text{syne}*}$	$t_{\frac{1}{2},*}$
0.72	1.0	$3.5 \cdot 10^{-10}$	$1.1 \cdot 10^{-5}$	$4.9 \cdot 10^5$
1.43	1.0	$2.5 \cdot 10^{-9}$	$2.1 \cdot 10^{-5}$	$1.3 \cdot 10^5$
2.87	1.0	$1.9 \cdot 10^{-8}$	$3.8 \cdot 10^{-5}$	$3.6 \cdot 10^4$
5.73	1.0	$1.4 \cdot 10^{-7}$	$7.0 \cdot 10^{-5}$	$9.9 \cdot 10^3$
11.5	1.0	$1.0 \cdot 10^{-6}$	$1.3 \cdot 10^{-4}$	$2.7 \cdot 10^3$
17.2	1.0	$3.3 \cdot 10^{-6}$	$1.8 \cdot 10^{-4}$	$1.3 \cdot 10^3$
22.9	1.0	$7.5 \cdot 10^{-6}$	$2.3 \cdot 10^{-4}$	$7.8 \cdot 10^2$
28.7	1.0	$1.5 \cdot 10^{-5}$	$2.8 \cdot 10^{-4}$	$5.3 \cdot 10^2$
57.3	1.0	$1.2 \cdot 10^{-4}$	$5.1 \cdot 10^{-4}$	$2.0 \cdot 10^2$

Table 4 Values of $T_{\text{sc}}(\text{K})$, $T_{\text{sc}*}(\text{K})$, $T_{\text{sc}}/T_{\text{eq}}$, B_* (Gauss) and γ_{n*} for different pitch angles when $T_n = T_{\text{sc}}$.

$\theta(^{\circ})$	T_{sc}	T_{sc}/δ	$T_{\text{sc}}/T_{\text{eq}}$	B_*	γ_{n*}
0.72	$2.5 \cdot 10^{15}$	$8.4 \cdot 10^{13}$	78	$1.3 \cdot 10^{-6}$	$1.3 \cdot 10^5$
1.43	$1.1 \cdot 10^{15}$	$3.6 \cdot 10^{13}$	53	$3.4 \cdot 10^{-6}$	$5.9 \cdot 10^4$
2.87	$4.8 \cdot 10^{14}$	$1.6 \cdot 10^{13}$	35	$9.0 \cdot 10^{-6}$	$2.6 \cdot 10^4$
5.73	$2.1 \cdot 10^{14}$	$6.9 \cdot 10^{12}$	24	$2.4 \cdot 10^{-5}$	$1.1 \cdot 10^4$
11.5	$9.1 \cdot 10^{13}$	$3.0 \cdot 10^{12}$	16	$6.3 \cdot 10^{-5}$	$4.8 \cdot 10^3$
17.2	$5.6 \cdot 10^{13}$	$1.9 \cdot 10^{12}$	13	$1.1 \cdot 10^{-4}$	$3.0 \cdot 10^3$
22.9	$4.0 \cdot 10^{13}$	$1.3 \cdot 10^{12}$	11	$1.7 \cdot 10^{-4}$	$2.1 \cdot 10^3$
28.7	$3.1 \cdot 10^{13}$	$1.0 \cdot 10^{12}$	9.3	$2.2 \cdot 10^{-4}$	$1.7 \cdot 10^3$
57.3	$1.5 \cdot 10^{13}$	$4.8 \cdot 10^{11}$	6.1	$5.8 \cdot 10^{-4}$	$7.8 \cdot 10^2$

Table 5 Values of u_{m*} (erg cm³), u_{e*} (erg cm³) and $u_{\text{syn}*}$ (erg cm³) for different pitch angles when $T_n = T_{\text{sc}}$

$\theta(^{\circ})$	u_{m*}	u_{e*}	$u_{\text{syn}*}$
0.72	$6.7 \cdot 10^{-14}$	92	$2.2 \cdot 10^{-9}$
1.43	$4.6 \cdot 10^{-13}$	26	$3.8 \cdot 10^{-9}$
2.87	$3.2 \cdot 10^{-12}$	7.6	$6.6 \cdot 10^{-9}$
5.73	$2.3 \cdot 10^{-11}$	2.2	$1.1 \cdot 10^{-8}$
11.5	$1.6 \cdot 10^{-10}$	0.62	$2.0 \cdot 10^{-8}$
17.2	$4.8 \cdot 10^{-10}$	0.29	$2.7 \cdot 10^{-8}$
22.9	$1.1 \cdot 10^{-9}$	0.17	$3.4 \cdot 10^{-8}$
28.7	$2.0 \cdot 10^{-9}$	0.11	$3.9 \cdot 10^{-8}$
57.3	$1.3 \cdot 10^{-8}$	0.026	$5.7 \cdot 10^{-8}$

Table 6 Values of $E_{\text{em}*}$, $E_{\text{ssc}*}$, $E_{\text{syne}*}$ and $t_{\frac{1}{2}, \text{syn}+1c+2c*}$ (yr) for different pitch angles when $T_n = T_{\text{sc}}$

$\theta(^{\circ})$	$E_{\text{em}*}$	$E_{\text{ssc}*}$	$E_{\text{syne}*}$	$t_{\frac{1}{2}*}$
0.72	$1.4 \cdot 10^{15}$	1.0	$2.4 \cdot 10^{-11}$	$7.7 \cdot 10^{10}$
1.43	$5.7 \cdot 10^{13}$	1.0	$1.4 \cdot 10^{-10}$	$6.4 \cdot 10^9$
2.87	$2.4 \cdot 10^{12}$	1.0	$8.7 \cdot 10^{-10}$	$5.2 \cdot 10^8$
5.73	$9.7 \cdot 10^{10}$	1.0	$5.3 \cdot 10^{-9}$	$4.3 \cdot 10^7$
11.5	$4.0 \cdot 10^9$	1.0	$3.2 \cdot 10^{-8}$	$3.6 \cdot 10^6$
17.2	$6.0 \cdot 10^8$	1.0	$9.3 \cdot 10^{-8}$	$8.5 \cdot 10^5$
22.9	$1.6 \cdot 10^8$	1.0	$2.0 \cdot 10^{-7}$	$3.1 \cdot 10^5$
28.7	$5.5 \cdot 10^7$	1.0	$3.6 \cdot 10^{-7}$	$1.4 \cdot 10^5$
57.3	$1.9 \cdot 10^6$	1.0	$2.2 \cdot 10^{-6}$	$1.5 \cdot 10^4$

Table 7 Circular polarizations p_{c1} , p_{c2} and p_{c3} for apparent brightness temperatures 10^{13} , 10^{14} and 10^{15} K, respectively.

$\theta(^{\circ})$	p_{c1}	p_{c2}	p_{c3}
5.73	1.9e-2	1.9e-3	1.9e-4
11.5	9.2e-3	9.2e-4	9.2e-5
17.2	6.0e-3	6.0e-4	6.0e-5
22.9	4.4e-3	4.4e-4	4.4e-5
28.7	3.4e-3	3.4e-4	3.4e-5
57.3	1.2e-3	1.2e-4	1.2e-5