1

$1,2$

th

GILDAS
SOFTWARE

s^{-1}

J

N

K_a

K_c

v

F

Λ

S

n

$S = 1/2$

$I_N = 1$

$I_H = 1/2$

$$N + S = J$$

$$J + I_N = F_1$$

$$I_{H1} + I_{H2} = I_{tot}$$

$$F_1 + I_{tot} = F$$

I_{tot}

$$F = 0$$

$N = 3$

$F = 3 + 2.5 = 6–0.5 = 5.5$

$J = 3.5$

$F_1 = 4.5$

$I_{tot} = 1.0$

$N = 4$

$F = 6.5$

$J = 4.5$

$F_1 = 5.5$

$N = 5$

$N = 5.5$

$F_1 = 6.5$

$I_{tot} = 0.0$

$N = 6$

$N = 6.5$

$F_1 = 7.5$

$F = 7.5$