

## SUMMARY OF OBSERVATIONS:

1. Because constant  $a$  and  $b$  fit the data so well, reconnection must have been occurring at a constant rate during these crossings.
2. To the eye, about 40 of 120 sub-solar magnetopause crossings had apparent correlations between  $E_X$  and the combination of  $B_Y$  and/or  $B_Z$ . So reconnection at a constant rate may occur for more than 40% of sub-solar magnetopause crossings.
3. Twenty of these crossings were analyzed quantitatively.