Attributes of 'Mass balance estimates across 2000 m traverse' data sets

I. Mass balance estimates for single gates:

Gate	161 gates numbered clockwise from northwest corner
St A	Unique name of start station of gate
St A	Unique name of end station of gate
Lat A, Lon A	Position of start station in geographic system (decimal degrees)
Lat B, Lon B	Position of end station in geographic system (decimal degrees)
S	Catchment area (km^2)
Vel_A	Ice velocity at start station (m/year)
Vel_B	Ice velocity at end station (m/year)
Vel_ave	Average velocity across gate (m/year)
Ice_Thick	Average ice thickness across gate (m/year) (Gogineni et al., in press)
R	Ratio of surface and column averaged ice velocity (Huybrecht, 1996)
D	Length of gate (km)
DS	Cummulative length of gates starting from gate 1 (km)
F	Total outgoing flux (cubic km/year of ice)
V_Sci	Total upstream accumulation estimate used in Thomas et al., 2000; Science (cubic km/year of ice)
dh/dt_Sci	Thickening/thinning rate from F and V_Sci (cm/year of ice)
V_JGR	Total upstream accumulation estimate used in Thomas et al., in press; JGR (cubic km/year of ice)
dh/dt_JGR	Thickening/thinning rate from F and V_JGR (cm/year of ice)

II. Mass balance estimates for medium sized combined gates:

Start_Station	Start station (adjacent gates are combined to give a total of more than 30,000 sq km area)
End_Station	End station
S	Total catchment area (sq km)
V	Total upstream accumulation estimate used in Thomas et al., in press; JGR (cubic km/year of ice)
F	Total outgoing flux (cubic km/year of ice)
dh/dt_JGR	Thickening/thinning rate (cm/year of ice)

III. Comparison of mass balance estimates for large combined gates

Start_Station Start station

End_Station Start station

S Total catchment area (sq km)

F Total outgoing flux (cubic km/year of ice)

V_in_ice Total upstream accumulation estimate (cubic km/year of ice)

- OSU_Science used in Thomas et al., 2000; Science
- OSU_JGR used in Thomas et al., in press; JGR
- Ohmura_accu based on accumulation map in Ohmura and Reeh, 1991
- Bales_JGR based on accumulation map in Bales et al., in press, JGR

Av_Acc_ice Average accumulation (cm/year of ice)

- OSU_Science used in Thomas et al., 2000; Science
- OSU_JGR used in Thomas et al., in press; JGR
- Ohmura_accu based on accumulation map in Ohmura and Reeh, 1991
- Bales_JGR based on accumulation map in Bales et al., in press, JGR

dh/dt_ice Thickening/thinning rate (cm/year of ice)

- OSU_Science used in Thomas et al., 2000; Science
- OSU_JGR used in Thomas et al., in press; JGR
- Ohmura_accu based on accumulation map in Ohmura and Reeh, 1991
- Bales_JGR based on accumulation map in Bales et al., in press, JGR