

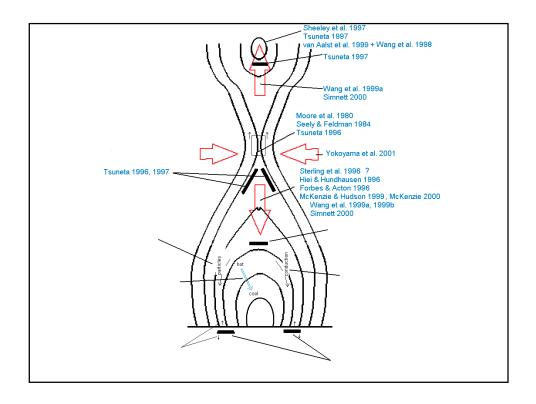
Simnett (2000)

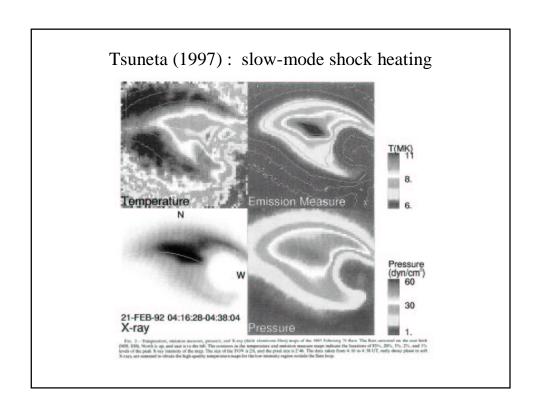
- Upflow at 260 km/s. Wang et al., 150-300 km/s.
- Downflow at 120 km/s. Wang et al., 20-100 km/s, *decelerating*.

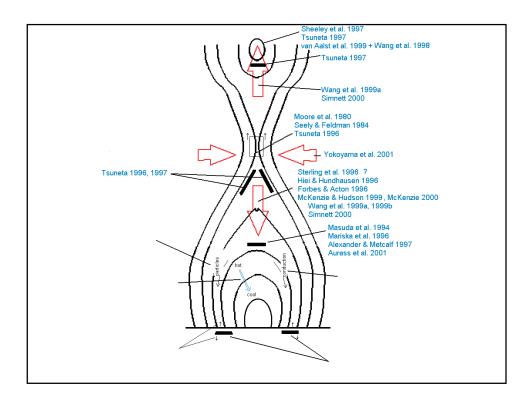


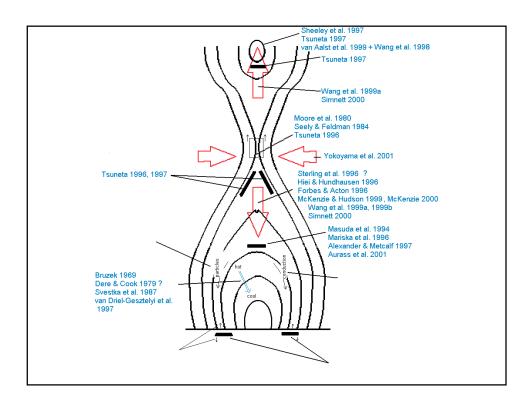
Figure 4. Running difference images of the bi-directional mass flow seen in the corona on 5 May 1999.

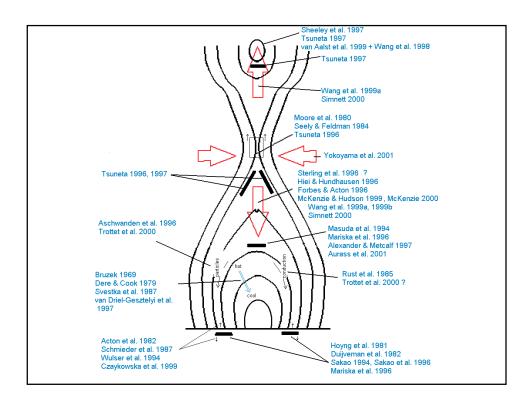
Yokoyama et al. (2001) 1999/03/18 00:00











Obs2questions: plasma parameters

1. Outflows: Measured and slow.

Downflows: Wang et al. (20-100 km/s, decelerating); Simnett (118 km/s); McKenzie & Hudson (40-500 km/s) Sub-Alfvénic? (downstream conditions) Or, what is v_A ? (upstream conditions) Or, interaction with return current? (sheet conditions)

Upflows: Wang et al. (150-300 km/s); Simnett (260 km/s); (high-altitude conditions)

Obs2questions: plasma parameters

2. Inflows: Measured. Fast? Slow?

Yokoyama et al. (1-5 km/s) suggests Petschek reconnection, though imprecise (M_A = 0.001—0.03). May constrain plasma parameters if more observations can be acquired. Also suggests slower v_A (160-970 km/s).

Obs2questions: plasma parameters

3. FMSS: Observed?

Tsuneta; Aurass et al. – Rare visibility describes v_A , β_P (upstream, downstream conditions?). Aurass et al. frequency indicates n_e , but height must be inferred. Need more obs, but what info can we learn from them?

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Looks like 2-D	Tsuneta; Forbes & Acton; Yokoyama et al.
Looks like 2.5-D	Czaykowska et al.
Looks like 3-D	Svestka et al.; McKenzie; Fletcher et al.

Obs2questions: dimensionality

