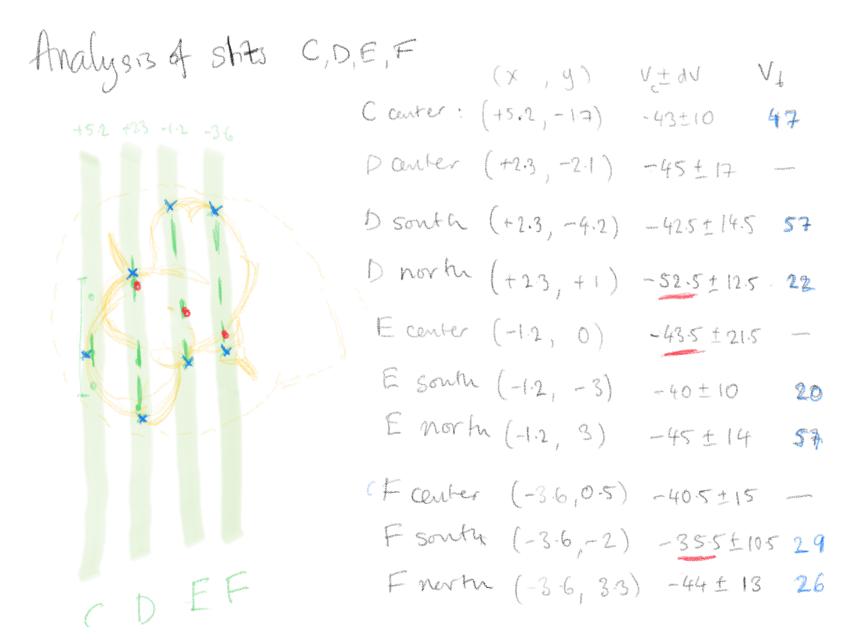
Turtle peanut shell



- Green vertical times () show portions of each slit where peanut shell sphtting is measured: VetdV where $V_c = \frac{1}{2}(V_{red} + V_{blue})$ and $dV = \frac{1}{2}(V_{red} V_{blue})$, measured in heliocentric frame. Positions (x, y) are offsets (SRA, SDEC) in arcsec from star.
 - · Blue crosses (x) are positions where proper motions are measure
 - Red dots (a) mark the strongest gradient in the shell centroid velocity (underlined in table). This is across the projected minor axis (PA=70°) and amounts to 17 km/s (redder towards SW).
 - · There is a weaker gradient along the projected major oxis (PA ~ -20°) of 1.5 km/s (redder forwards SSE).
 - · The largest sphitting is in the center (unsurprismigly) and amounts to + 21 + bule

· Proper motions of the shell edge are 20-30 km/s along projected minor axis and 50-60 km/s along projected major axis

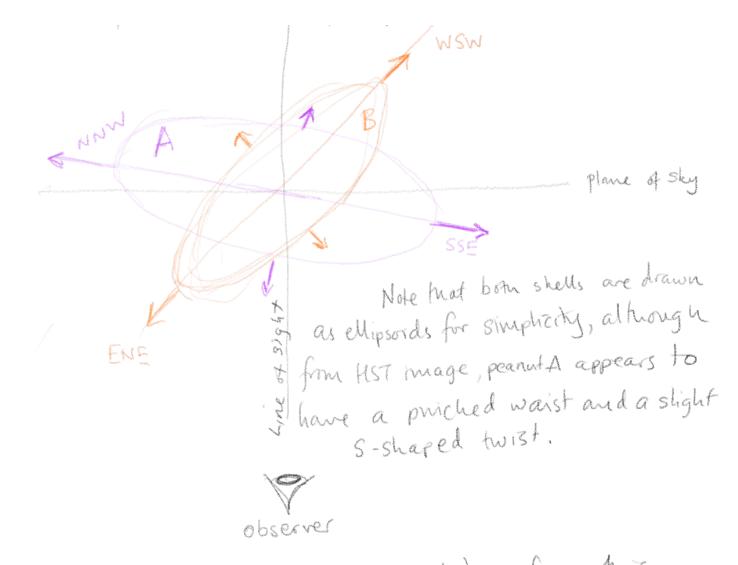
INTERPRETATION

1 There must be at least two shells that from the peanut; both of which must be elongated (bipolar or ellipsoidal), with roughly 2:1 to 3:1 aspect ratio.

Peanot A. Axis aligned with projected major exis and close to plane of sky. This expands axially at about 60 km/s (from proper motions) and laterally at about 20 km/s (from sphtting).

PeanufB. Axis aligned with projected minor axis, but highly wichied from plane of sky, which gives the velocity gradient from DNorth > E (enter -> F South.





2. Inspection of SIHW (HX+[NII] only) confirms this picture—it runs almost exactly along the peanut Baxis.

The shows the skewness of the velocity ellipse, as expected.

Roslin F

3. The axis of Peanut B is very close to the axis between [NII] knot complexes swred and WE Blue, which hie at slightly large radii and higher velocities. It also conicides in projection with the axis of the nitermediate shell.