Constructing Meaning from Space, Gesture and Talk

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Background

• Establish the context of the activity.
• Tell the reader enough about the setting to enable them to understand the analysis.

Boeing 727

Boeing 727 Cockpit

Second Officer's Panel
The SO reports a problem

12.00.43 S/O Well it looks funny like a funny situation we have a fuel leak or something 1/2 in number three tank
12.00.50 Capt: hmmm
12.00.51 F/O: oohh
12.00.55 S/O I don't know we must be losing it very quickly you see right now 1-2-1 turned the pumps off OK, I tried to feed from number one to both engines one and three but we're still losing in number three quite a bit

Fuel System Diagram

Fuel System Interface Panel

Video Excerpt

25 seconds

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Re-describe the video data

The transcription of talk and gesture over space
Talk carries

- Content: losing fuel from #3 tank
- Pronouns: We have a leak. I turned off the pumps.
- Time deixis: reporting on events in past tense

C and FO Attend to SO’s Report

Analyze the Transcript
I turned the pumps off OK.

Finger motion over Tank 3 boost switches.

Mutual elaboration – re-enactment.

Gesture adds dynamics to static display.

"To feed from number one"

BODY
Motion
Fuel lines

WORLD
Fuel flow from tank one.
"To both engine one and three"

"we're still losing"

Video recording makes possible