Input

Ouestion:

Why did the skier turn around after his last jump?

- He spots a wolf Α.
- He accidentally dropped his
- To watch his friend jump after
- To measure how high he jumped

Character/Event/Scene Tracking Log: Frame_xxxx: subjects, actions,

location/scene details

Frame 0002: A skier

Frame_0001: A skier, clad in a vibrant....

Frame_3598: A bearded male skier,

and reflective red-orange mirrored

wearing a bright blue jacket, a black

helmet with a white Oakley goggle strap,

goggles, intently holds black and red ski

poles while skiing down a snowy mountain slope with distant peaks under a clear sky.

Captions

Database

Main Characters

- Bearded male skier in blue, with black
- Old, skinny man in brown sweater watching TV on his couch

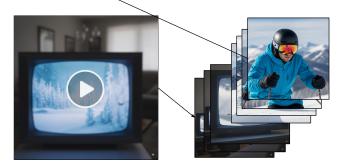
Main Events

Main Scenes: ...

Global Summary:

The documentary about Matt - a dedicated and skilled skier - is a blend of thrilling action personal reflection and stunning mountain cinematography...

Video Logs



1-Hour Video

Extracted Frames

```
LLM Response:
 LLM:
                                            Captions:
                                            Frame 0120... Score: 0.6971
                                                                                    <think> . . . </think>
 <think> . . . </think>
  ... I'm prioritizing the core
                                            Frame 0125... Score: 0.6723
                                            Frame 0128... Score: 0.6164
                                                                                        "tool": "QUERY VLM",
 action ("skier turn around")
                                                                                        "prompt": Is the skier
 and the crucial timing ("after
                                            Frame 0140... Score: 0.6158
                                                                                    turned around after his jump?
 his last jump").
                                                                                    Describe the skier's appearance
                                                                                    and demeanor. Is there a wolf
     "tool": "CAPTION SEARCH",
                                            Frame 2891... Score: 0.5110
                                                                                    in sight? Is he holding his
     "prompt": "skier turns
                                            Frame 2934... Score: 0.4039
                                                                                    poles? Is there a second skier
                                                                                    and is he jumping?
  around after jump"
                                            Frame 2936... Score: 0.3860
                                                                                        "frames": 2885 -> 2950
Critic response:
                                                                                    VLM Response:
Confidence: 30,
                                                                                    Individual frame responses: ...
Possible errors:
      "VLM reports that in frame
                                                                                    Condensed response:
0120...".
      "The answer states that
                                                                                    There is no wolf in any of the
all four frames consistently
                                                                                    frames. The skier is always
show an orange jacket ... "
                                                                                    holding his poles. There is
Suggestion":
                                                                                    only one man in the series of
      "Re-evaluate the answer by
                                                                                    clips, wearing a blue coat, and
considering the evidence from
                                                                                    he lands, then turns and faces
frame 0120..."
                                                                                    the slope, looks up, and turns
                                                                                    around again.
VLM response:
                                            Critic response:
                                                                                    LLM Response:
In frame 0120, a skier wears an
                                                                                    Based on the VLM's response,
orange jacket instead of a blue...
                                                 "tool": "OUERY VLM",
                                                                                    the most plausible answer is D,
                                                 "prompt": Is there
                                                                                    to measure how high he jumped.
                                            evidence of the skier
                                                                                    There is no evidence of him
                                            looking back to measure how
                                                                                    spotting a wolf, dropping his
                                            high he jumped in these
                                                                                    poles, and no evidence of a
                                            frames? Is there any
                                                                                    second skier.
                                            evidence of a wolf, poles
                                            dropping, or a second skier
                                                                                         "tool": "ANSWER",
                                            with different clothing
                                                                                         "answer": "D"
                                                                                         "evidence frames": ...,
                                            other than a blue jacket?
                                                 "frames": ...,
                                                                                         "reasoning": ...,
```