MKV files generated from AVI files (by AviDeMux) have weird PTS frame order. Supposedly PTS is the presentation order, but file appears to look normal if played in the DTS order. Notably, DTS and PTS are both in units of milliseconds.

OrderDecode time Presentation

Time Sequence

1 Int64.MinValue 266 A

2 Int64.MinValue 533 E

3 266 399 C

**4 333 333 B**

5 399 466 D

6 466 799 I

7 533 666 G

**8 599 599 F**

9 666 733 H

10 733 1066 M +5

11 799 933 K +2

12 866 866 J 0

13 933 999 L +1

14 999 1333 Q +5

15 1066 1199 O

16 1133 1133 N

17 1199 1266 P

Bold font indicates frames where DTS (decode time) and PTS (presentation time) are the same.

Largest # of bytes in frames 2, 6, 10, etc. Are those the key frames?

Strangely, the first frame read after seeking is the one BEFORE the large frame.

Seeking

DTS PTS Presentation sequence

1 A -1

2 E 1

3 C 2

**4 B 3**

5 D 4

6 I

7 G

**8 F**

9 H

10 M

11 K

12 J

13 L