



Scale 1:600 (2"=100') Metric
Measured Depth Log

Well Name:	NRC 4N-4HZ	
Location:	Weld County, CO	
License Number:	0512338627	Region: DJ Basin
Spud Date:	3/22/2014	Drilling Completed: 3/31/14
Surface Coordinates:	350' FSL, 660' FWL	
	Sec 9, T1N, R67W	
Bottom Hole	460' FNL, 920' FWL	
Coordinates:	Sec 4, T1N, R67W	
Ground Elevation (m):	5064'	K.B. Elevation (m): 5089'
Logged Interval (m):	7675'	To: 17076' Total Depth (m): 17076
Formation:	Niobrara B	
Type of Drilling Fluid:	Oil Based Mud	

Printed by HORIZONTAL.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR



















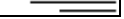
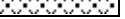
Company: Anadarko Petroleum Corporation
Address: Granite Tower
1099 18th St., Suite 1800
Denver, CO 80202

GEOLOGIST











































































Name: Justin Robbins / Justin Graf
Company: Great Divide Consulting, Inc.
Address: P.O. Box 630263
Highlands Ranch, CO 80163

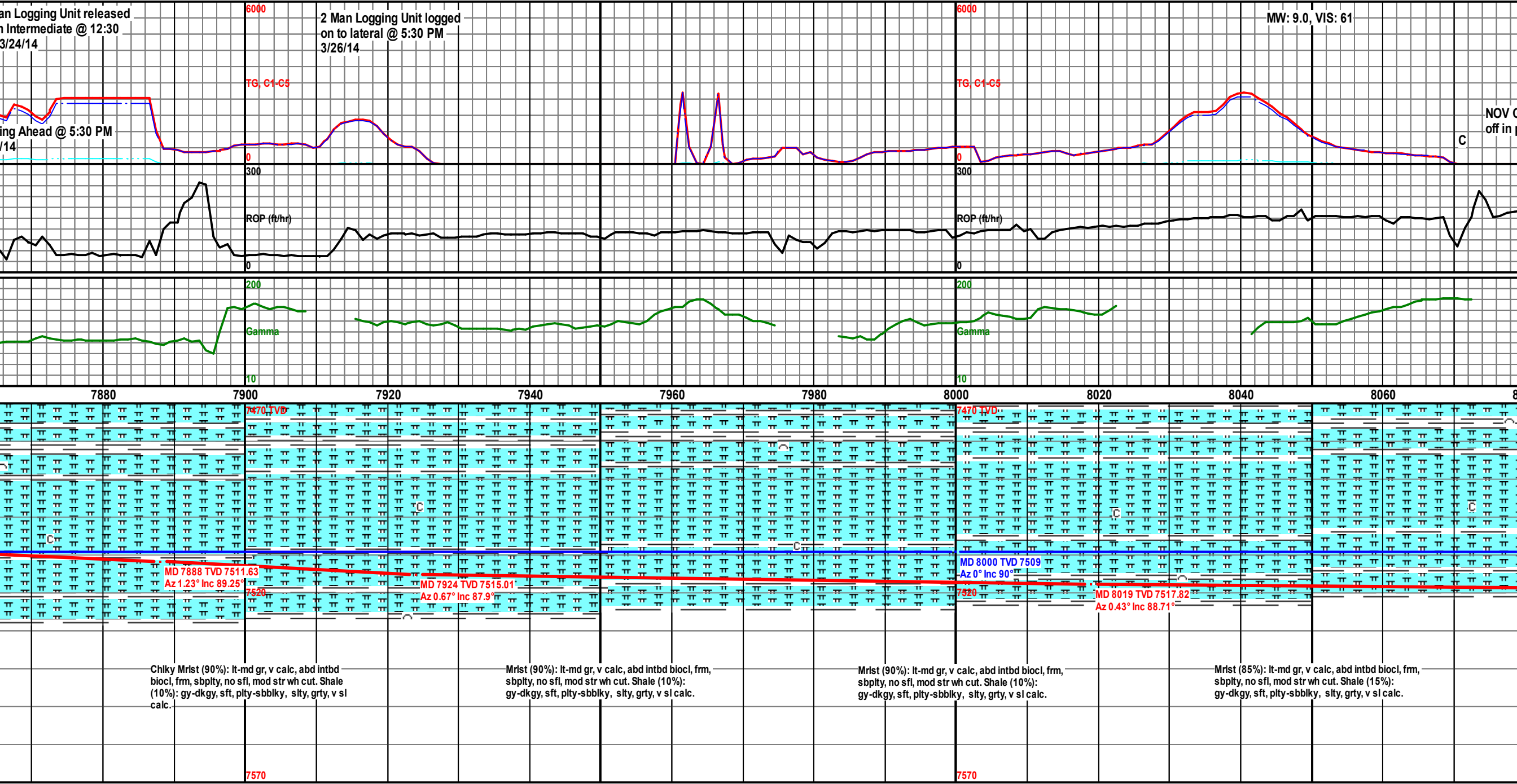
Comments

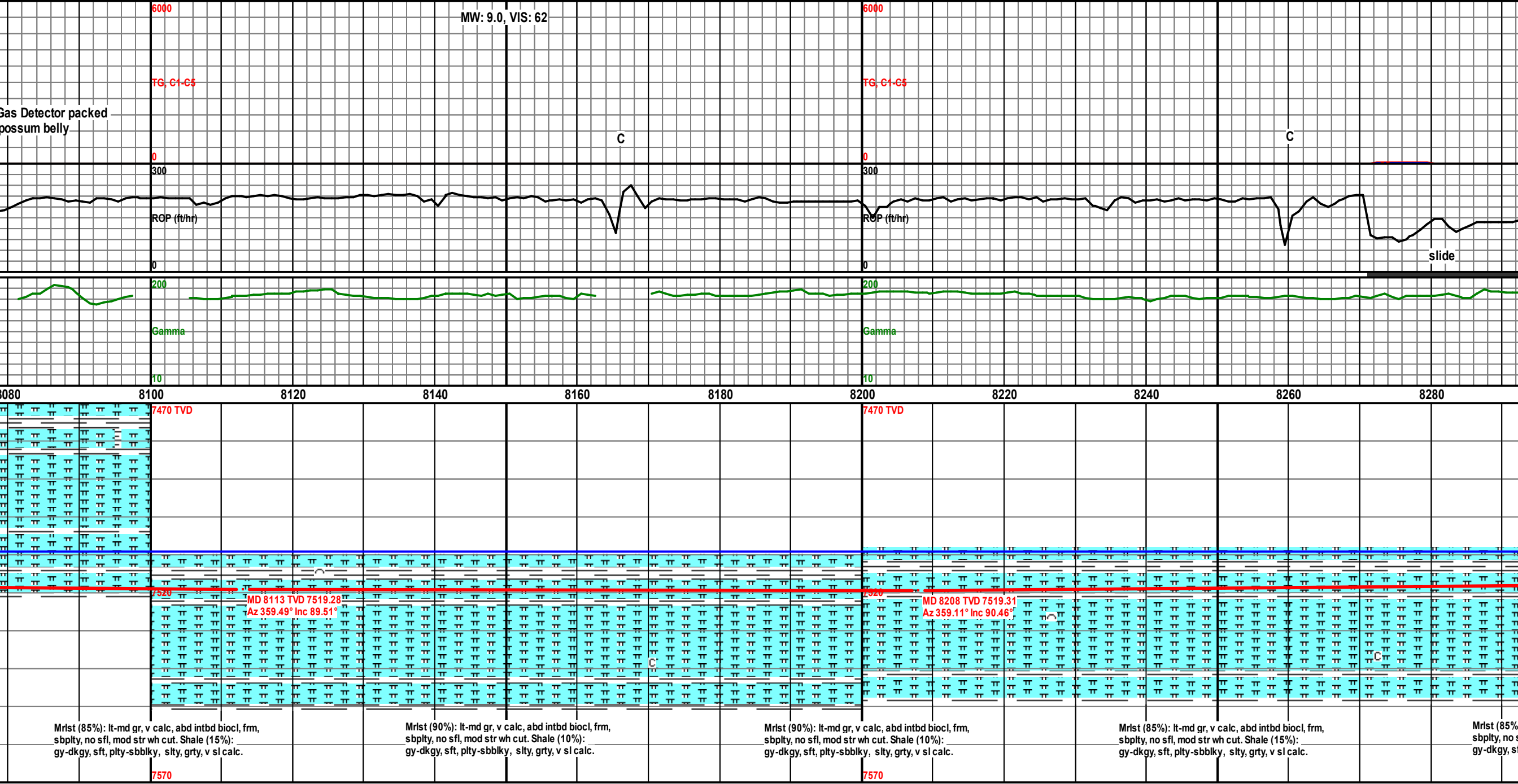
ROCK TYPES

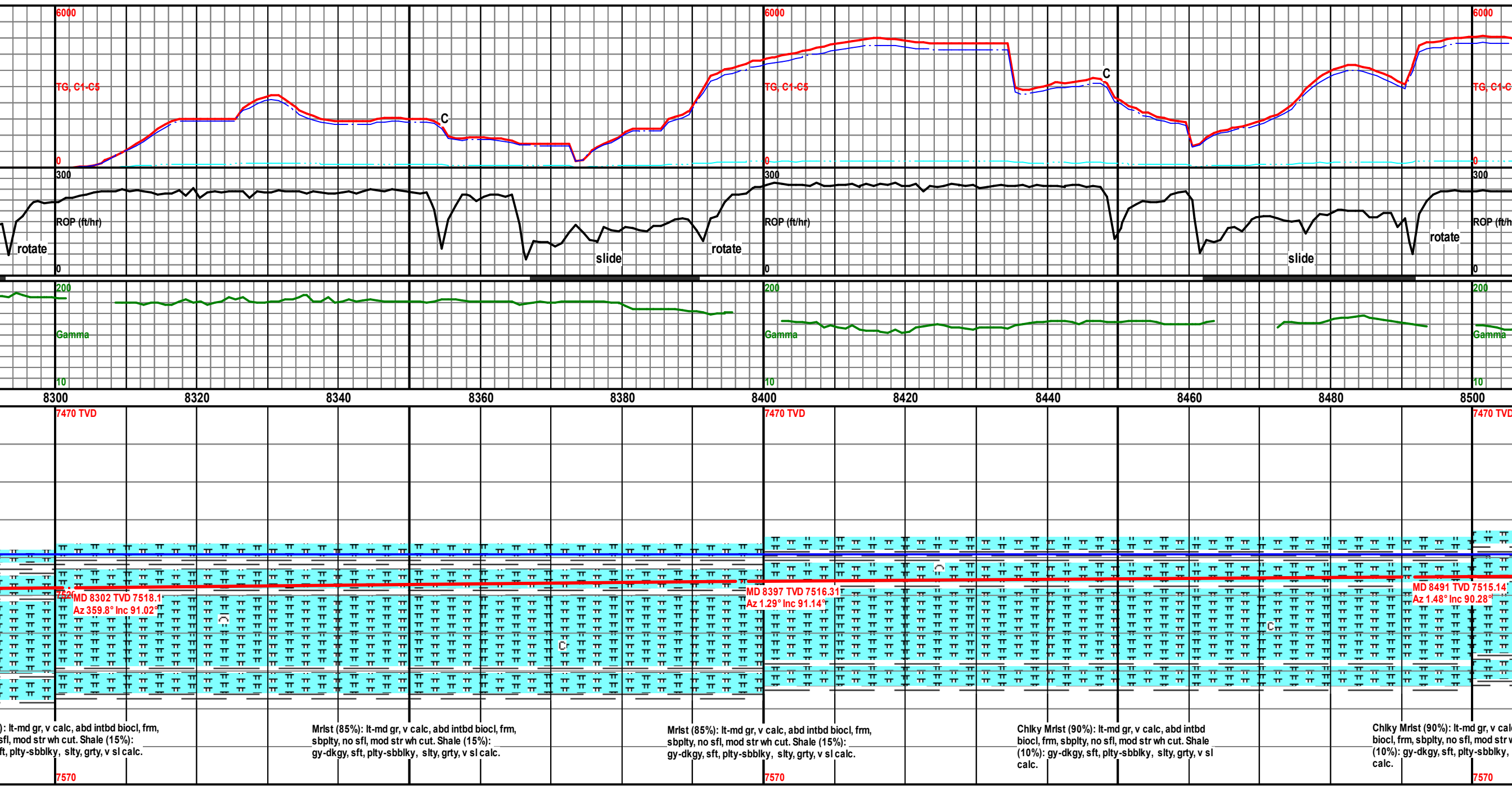
	Anhy		Clyst		Gyp		Mrlst		Shgy
	Bent		Coal		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Shcol		Till

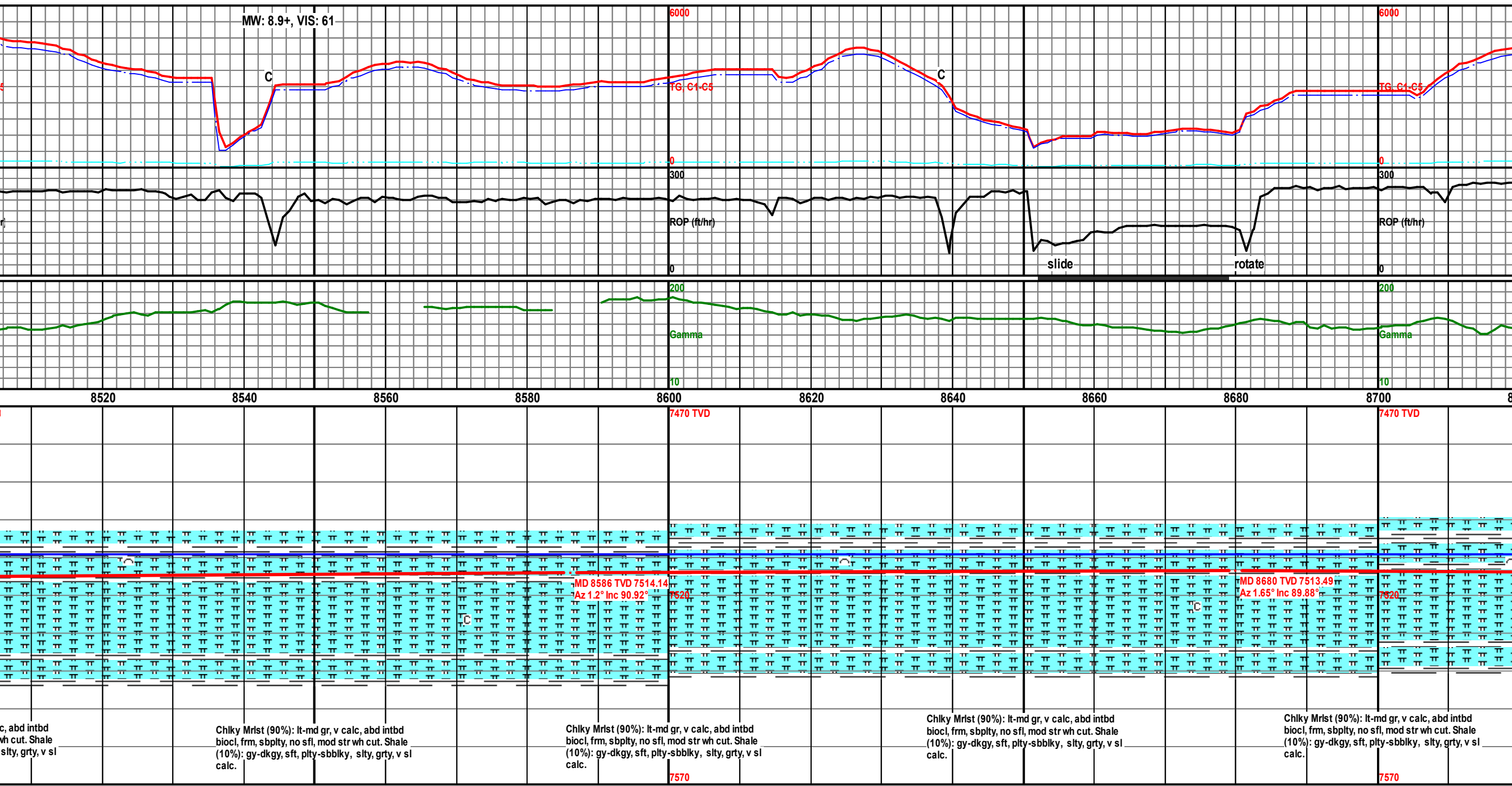
ACCESSORIES

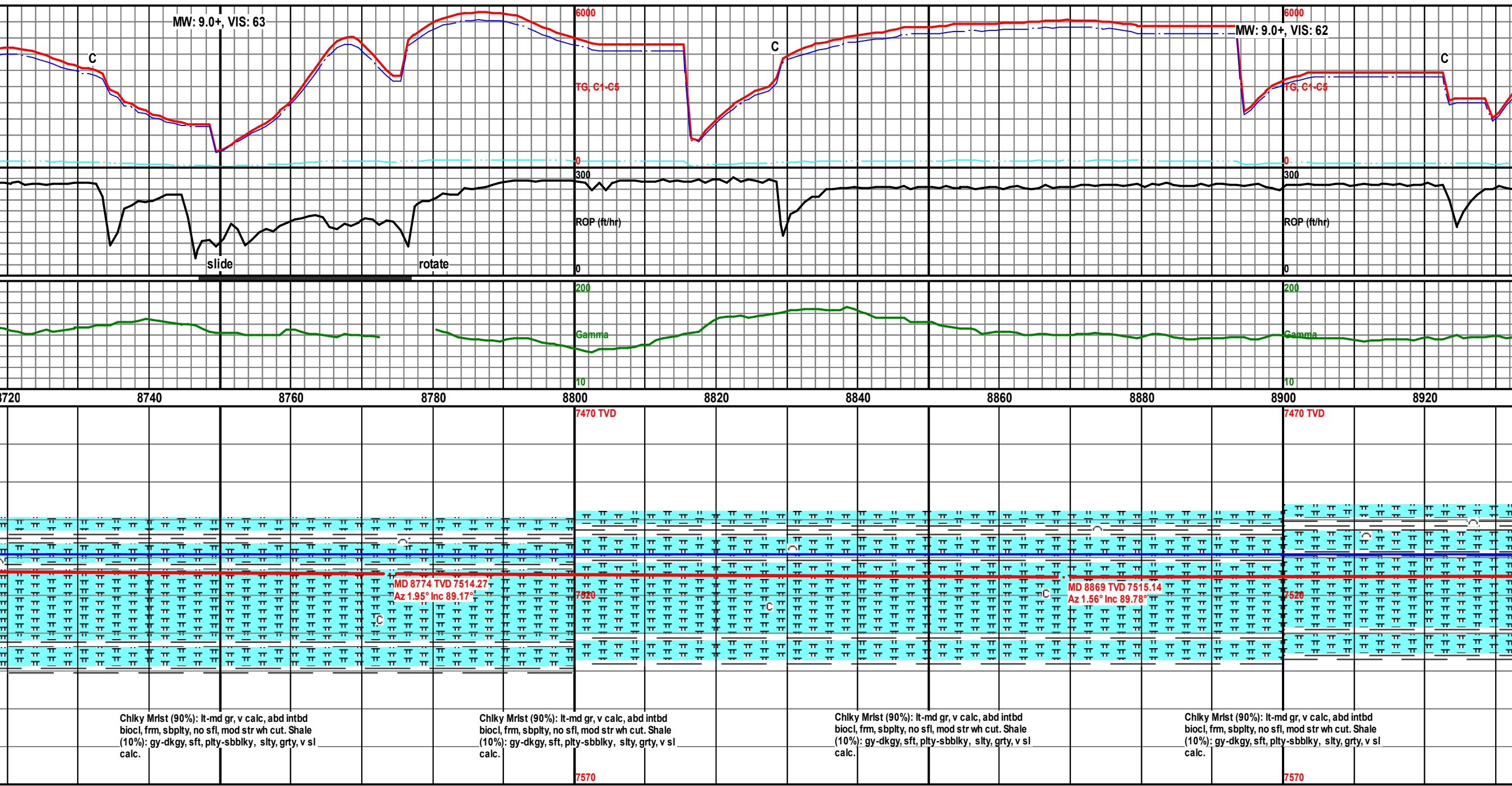
MINERAL				FOSSIL				TEXTURE	
	Anhy		Hvymin		Algae		Pelec		Boundst
	Arggrn		Kaol		Amph		Pellet		Chalky
	Arg		Marl		Belm		Pisolite		Cryxln
	Bent		Minxl		Bioclst		Plant		Earthy
	Bit		Nodule		Brach		Strom		Finexln
	Brecfrag		Phos		Bryozoa	STRINGER			Grainst
	Calc		Spr calc		Cephal		Anhy		Lithogr
	Carb		Pyr		Coral		Arg		Microxln
	Chtdk		Salt		Crin		Bent		Mudst
	Chtlt		Sandy		Echin		Coal		Packst
	Dol		Silt		Fish		Dol		Wackest
	Feldspar		Sil		Foram		Gyp		
	Ferrpel		Sulphur		Fossil		Ls		
	Ferr		Tuff		Gastro		Mrst		
	Glau		New symbol		Oolite		Sltstrg		
	Gyp		New symbol		Ostra		Ssstrg		

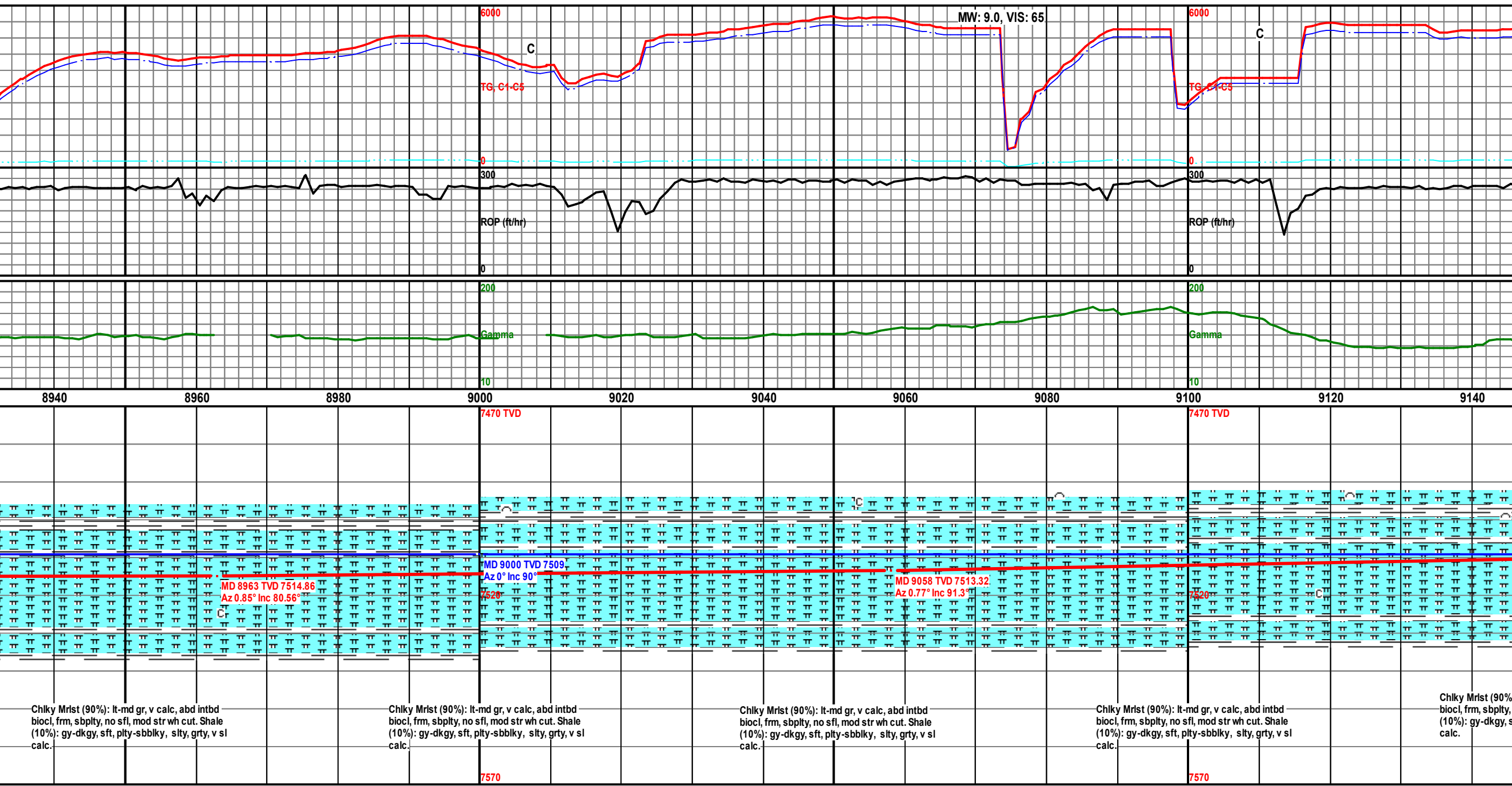


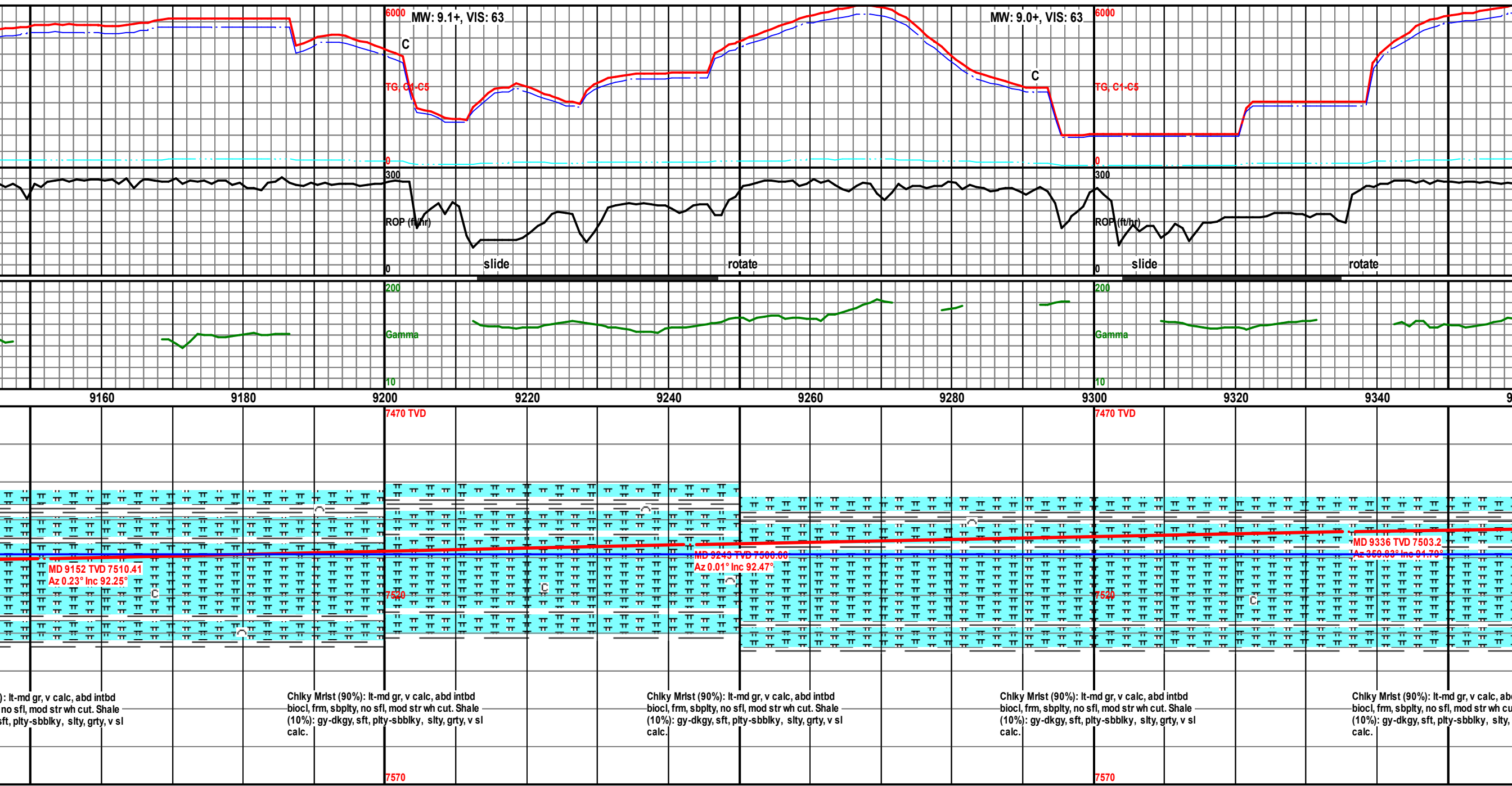


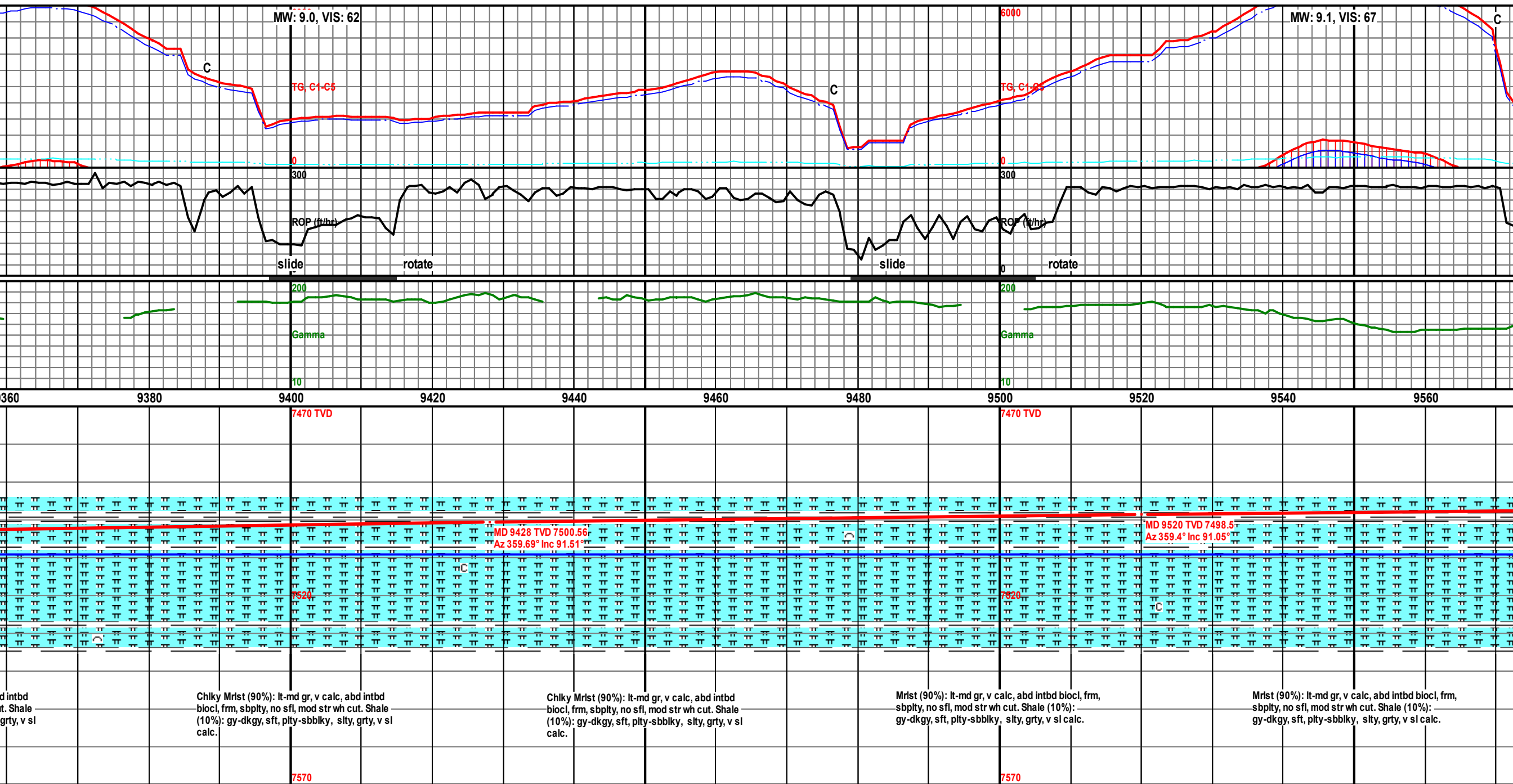


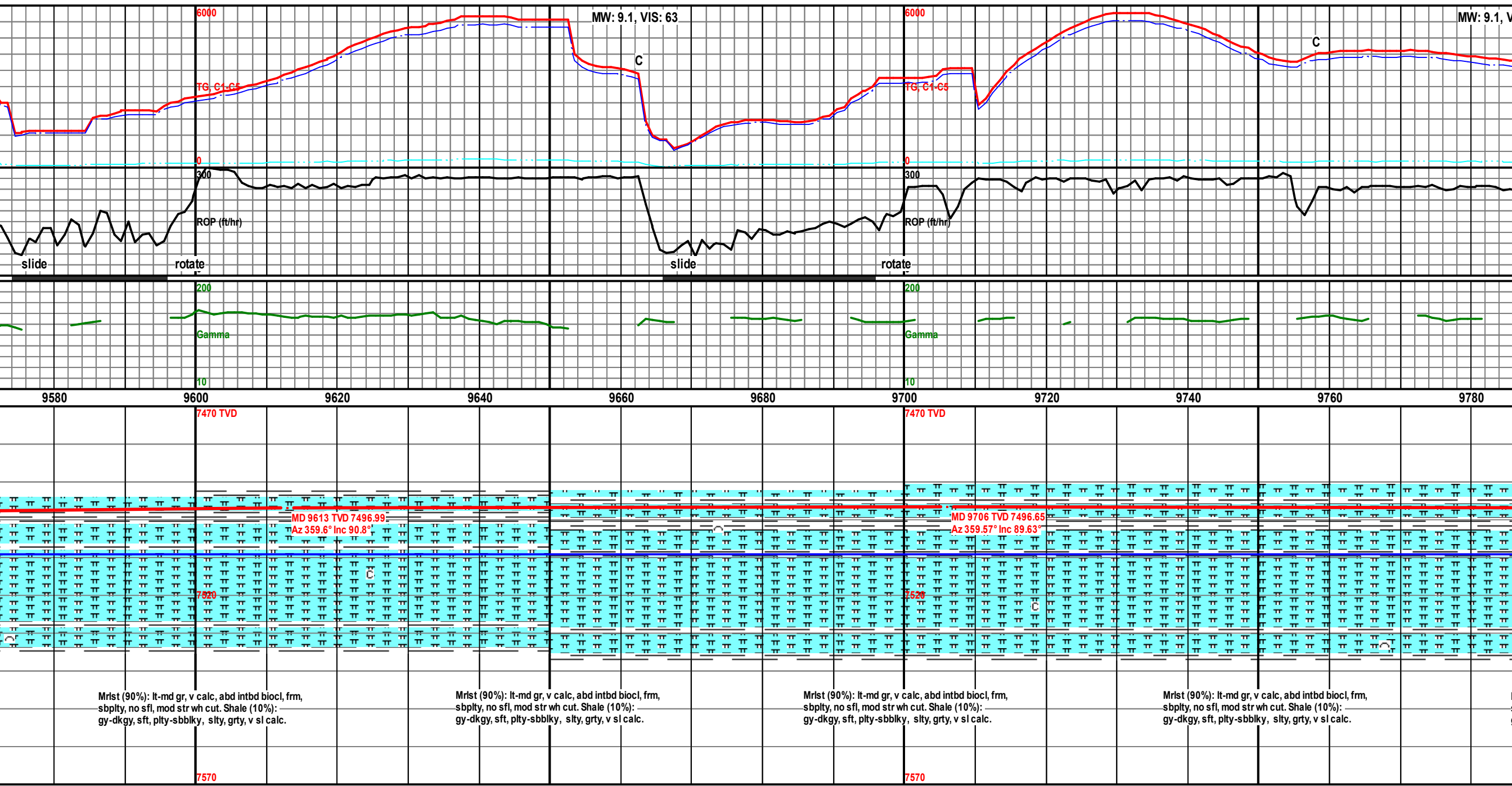


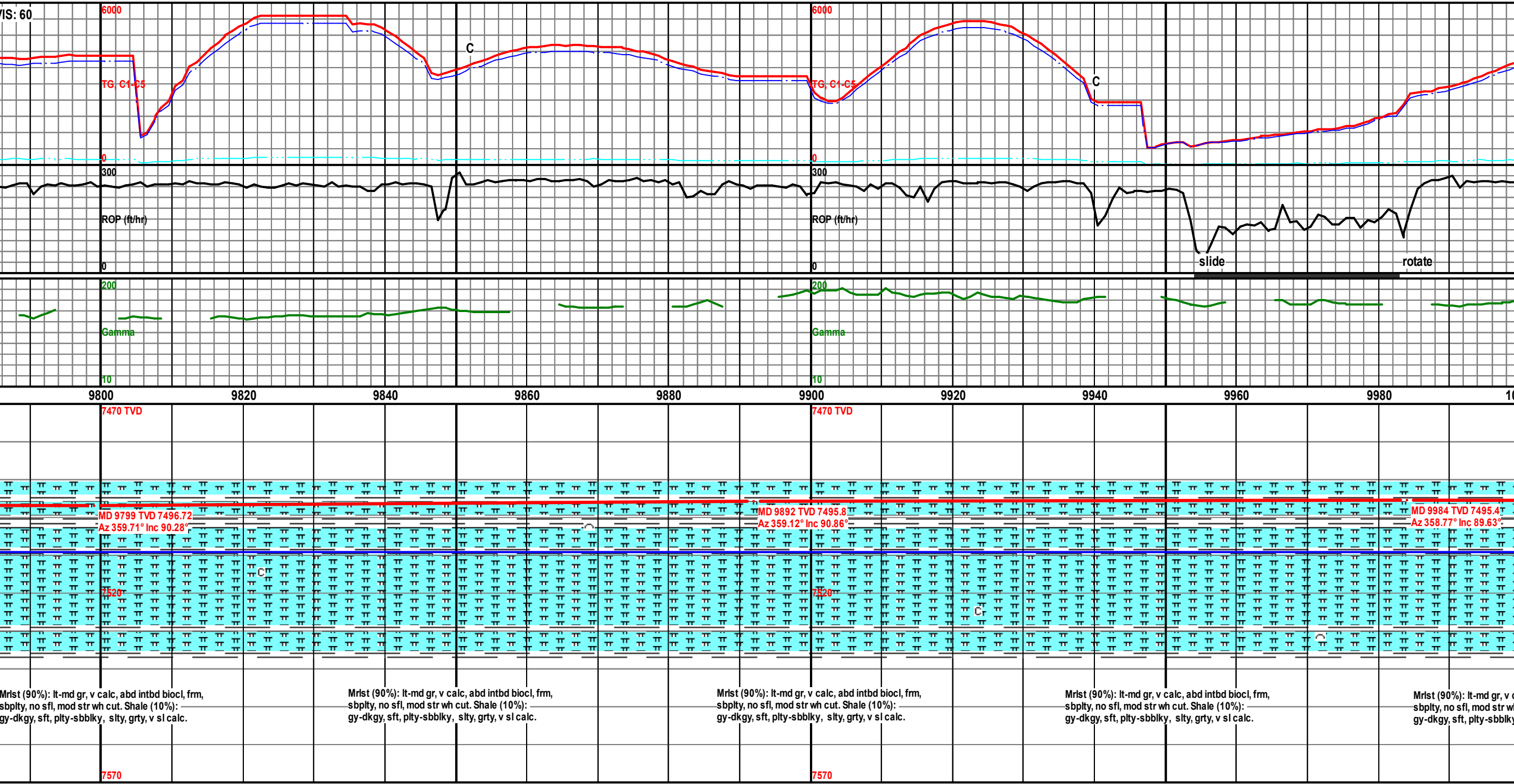


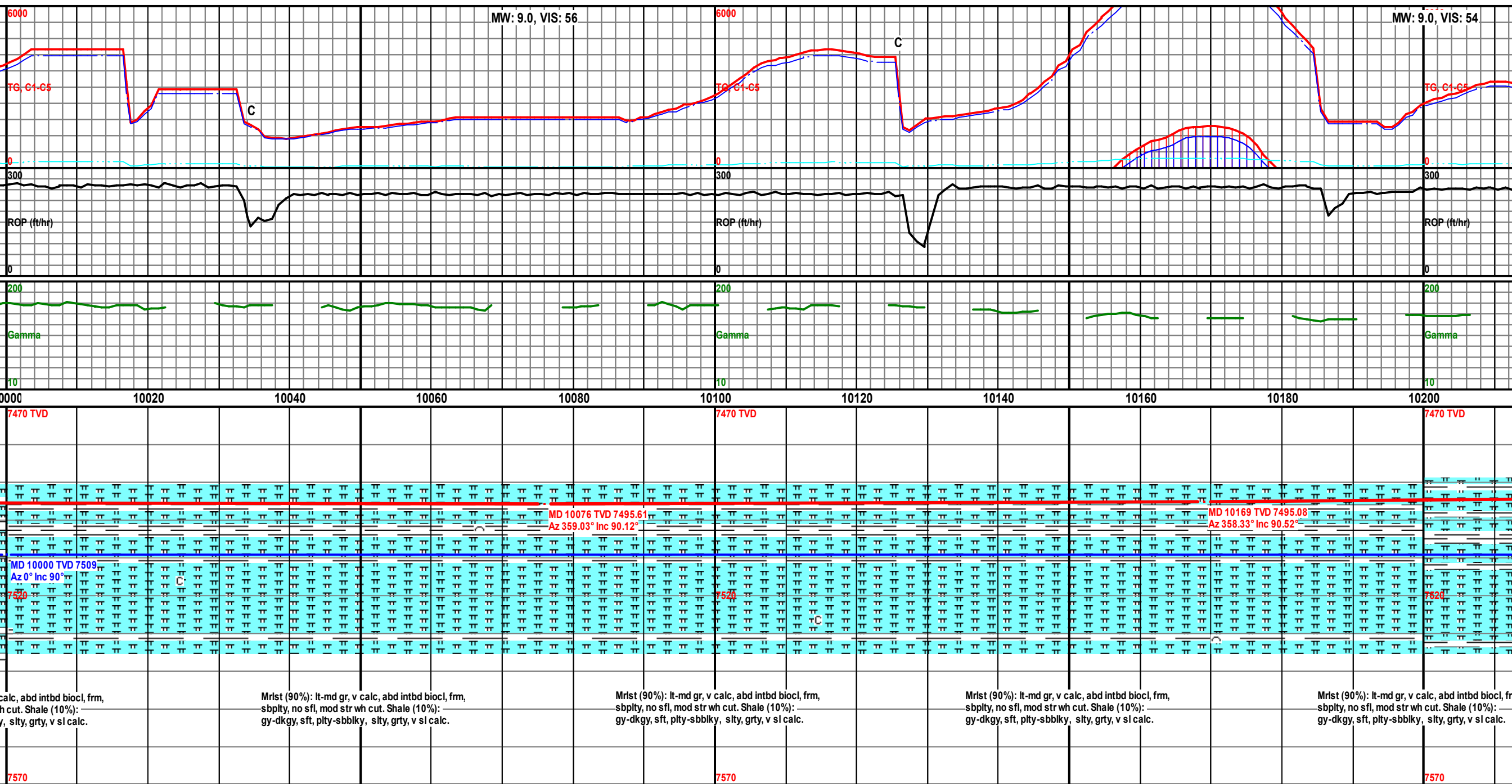


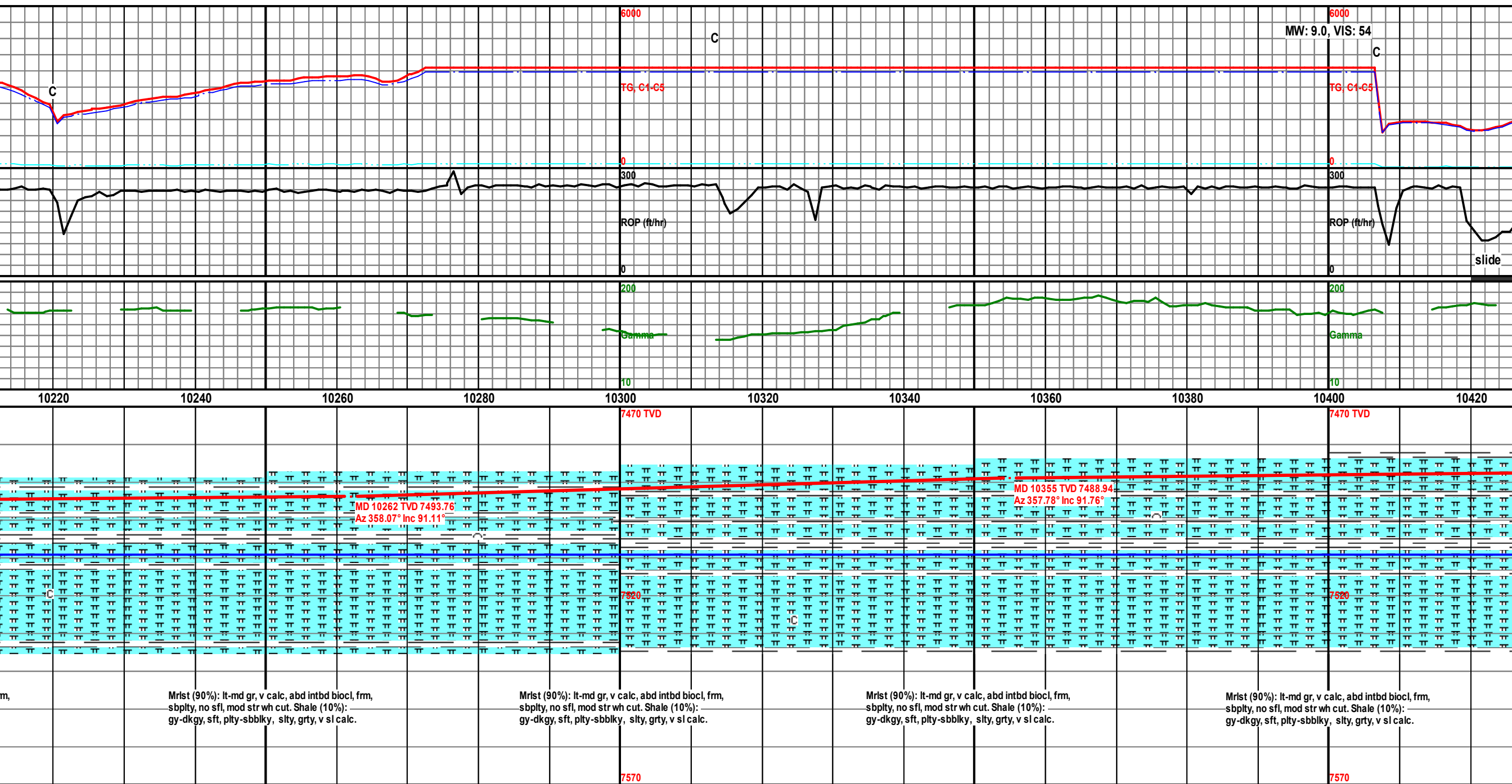


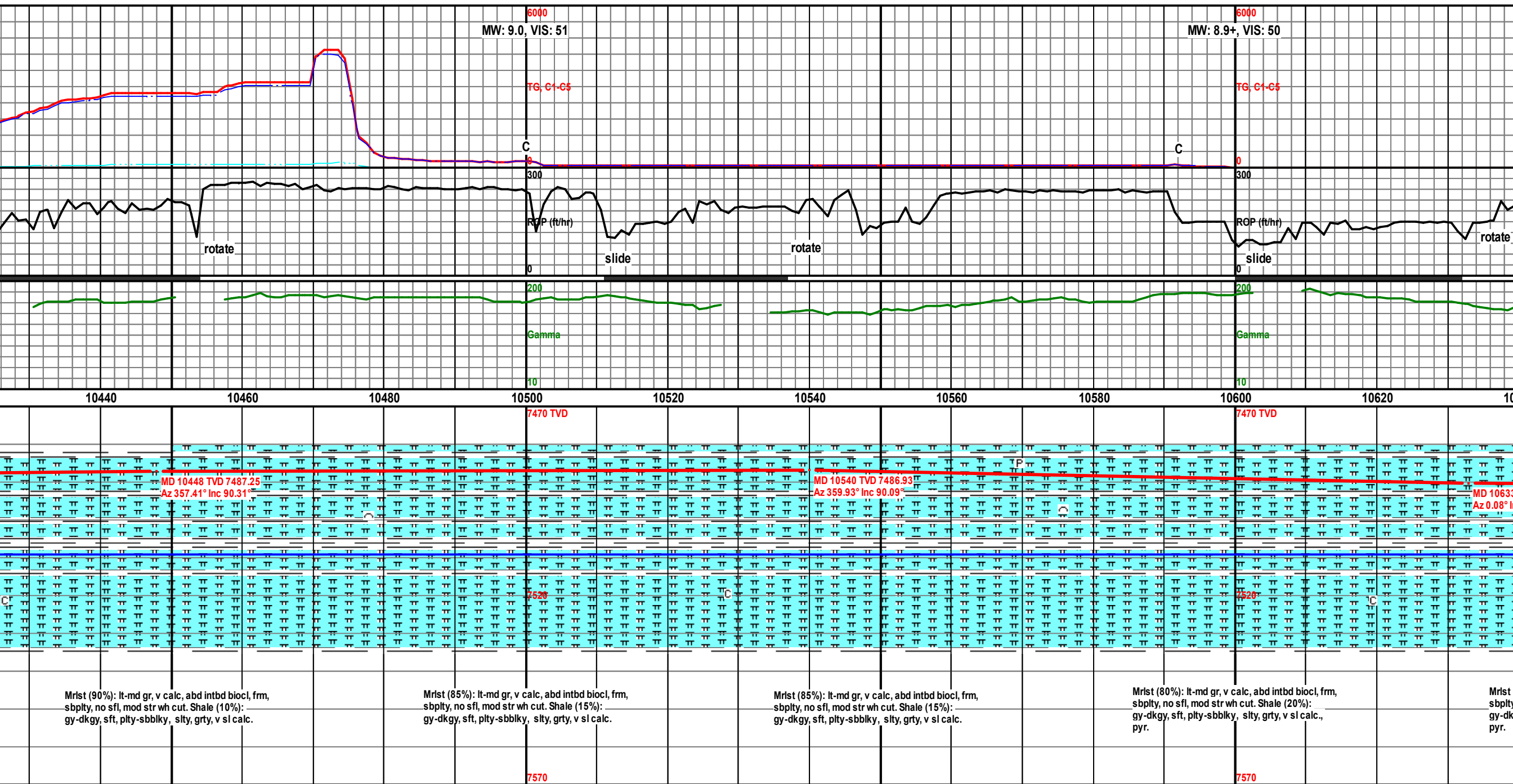


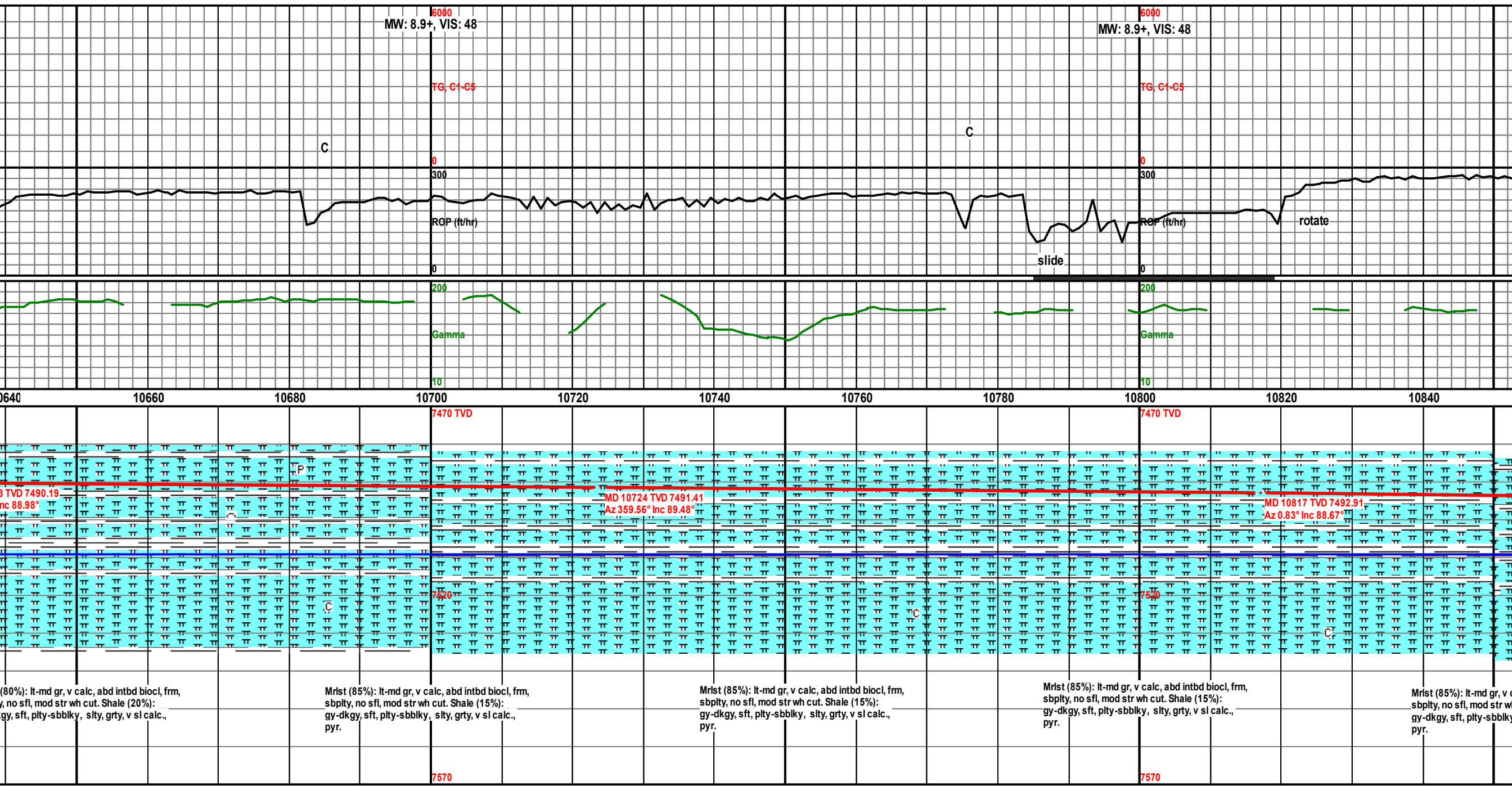


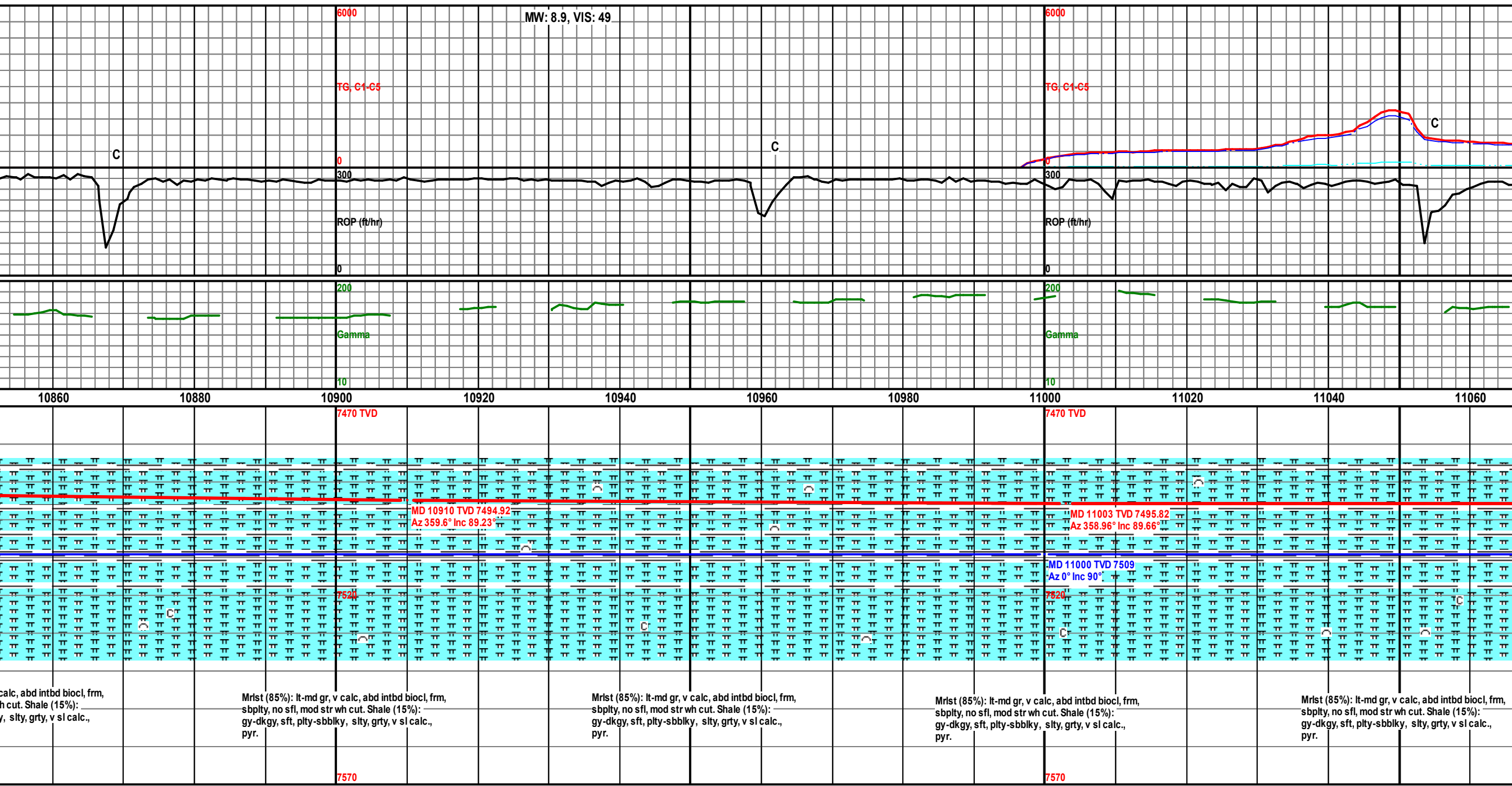


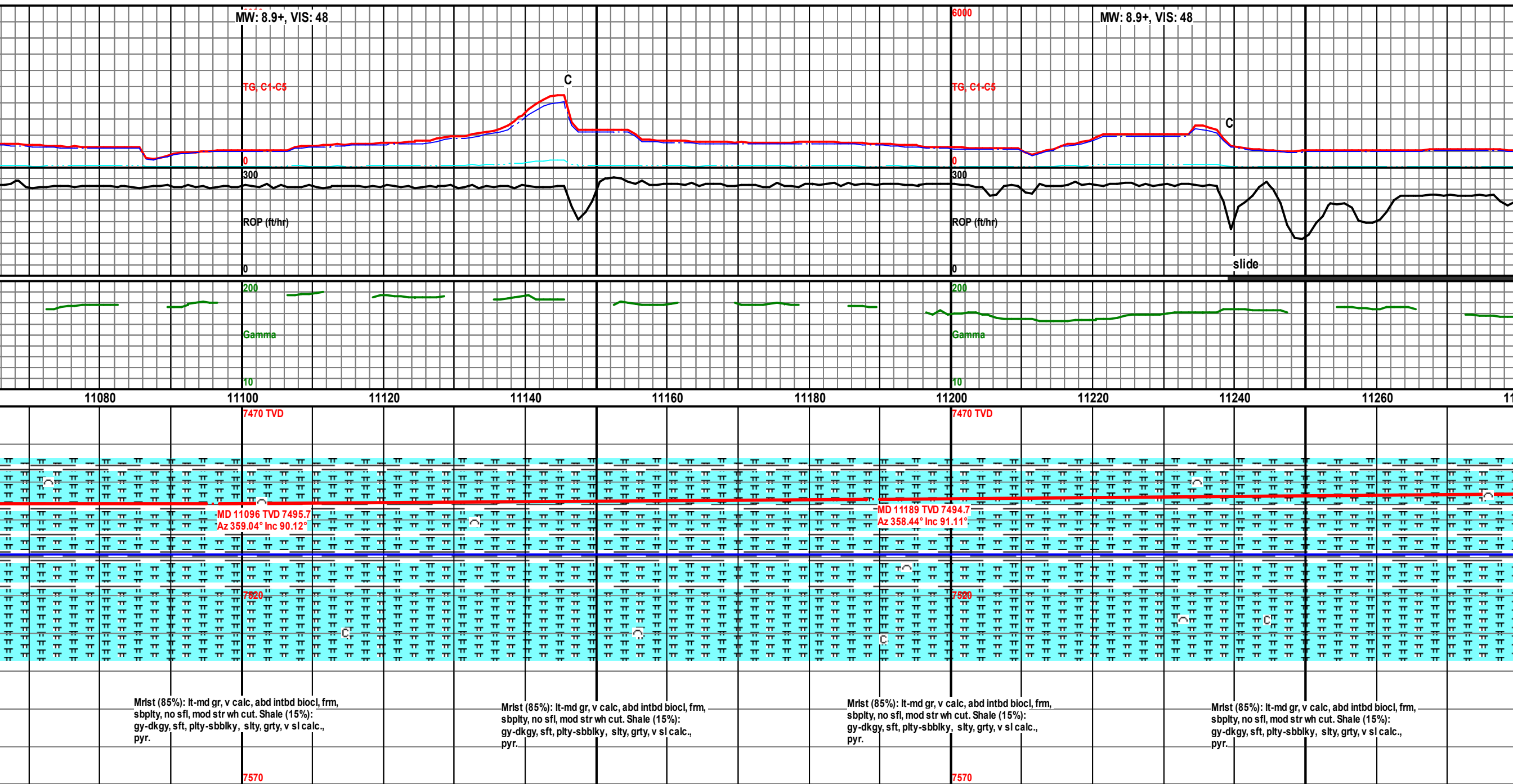


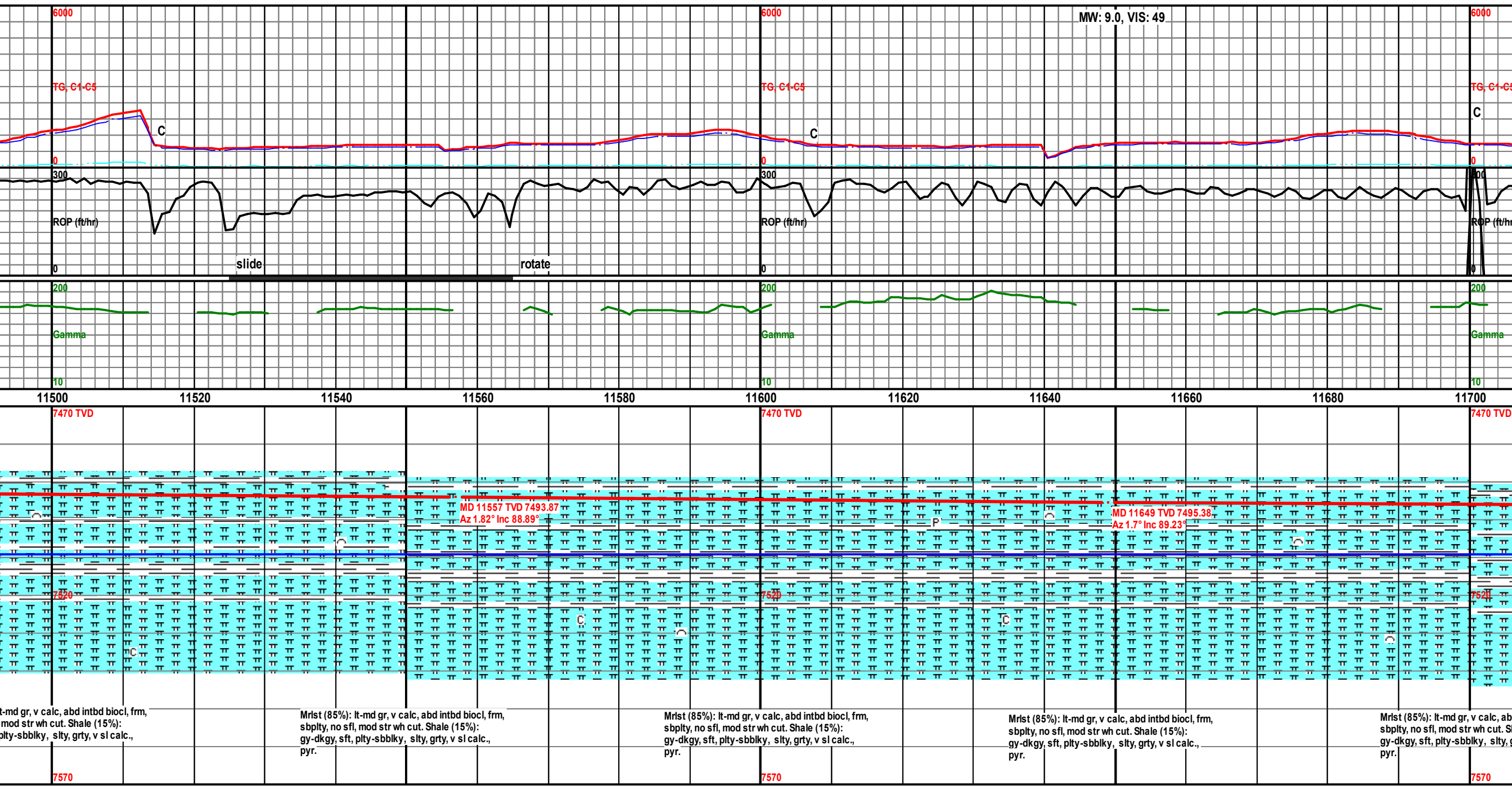


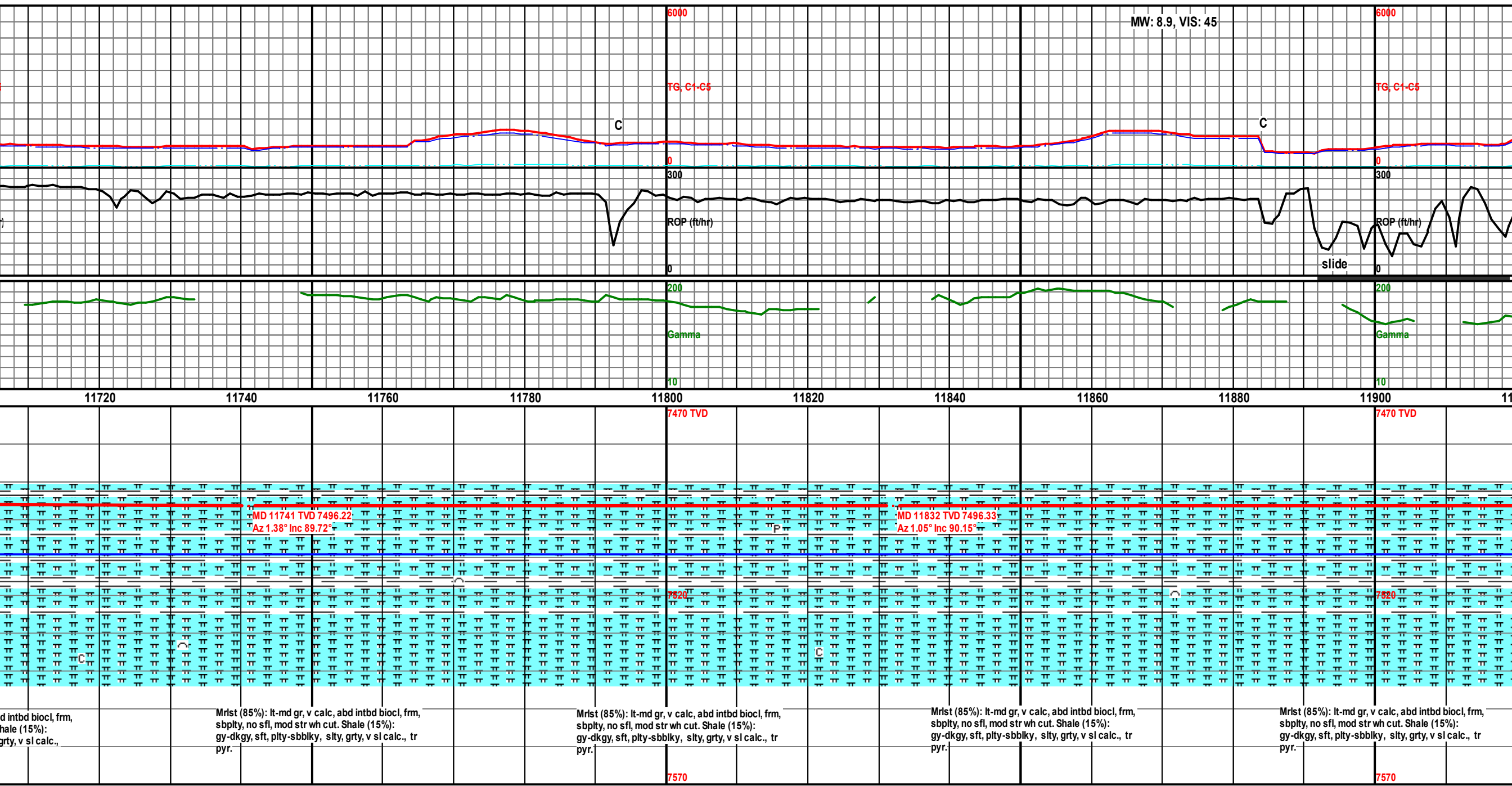


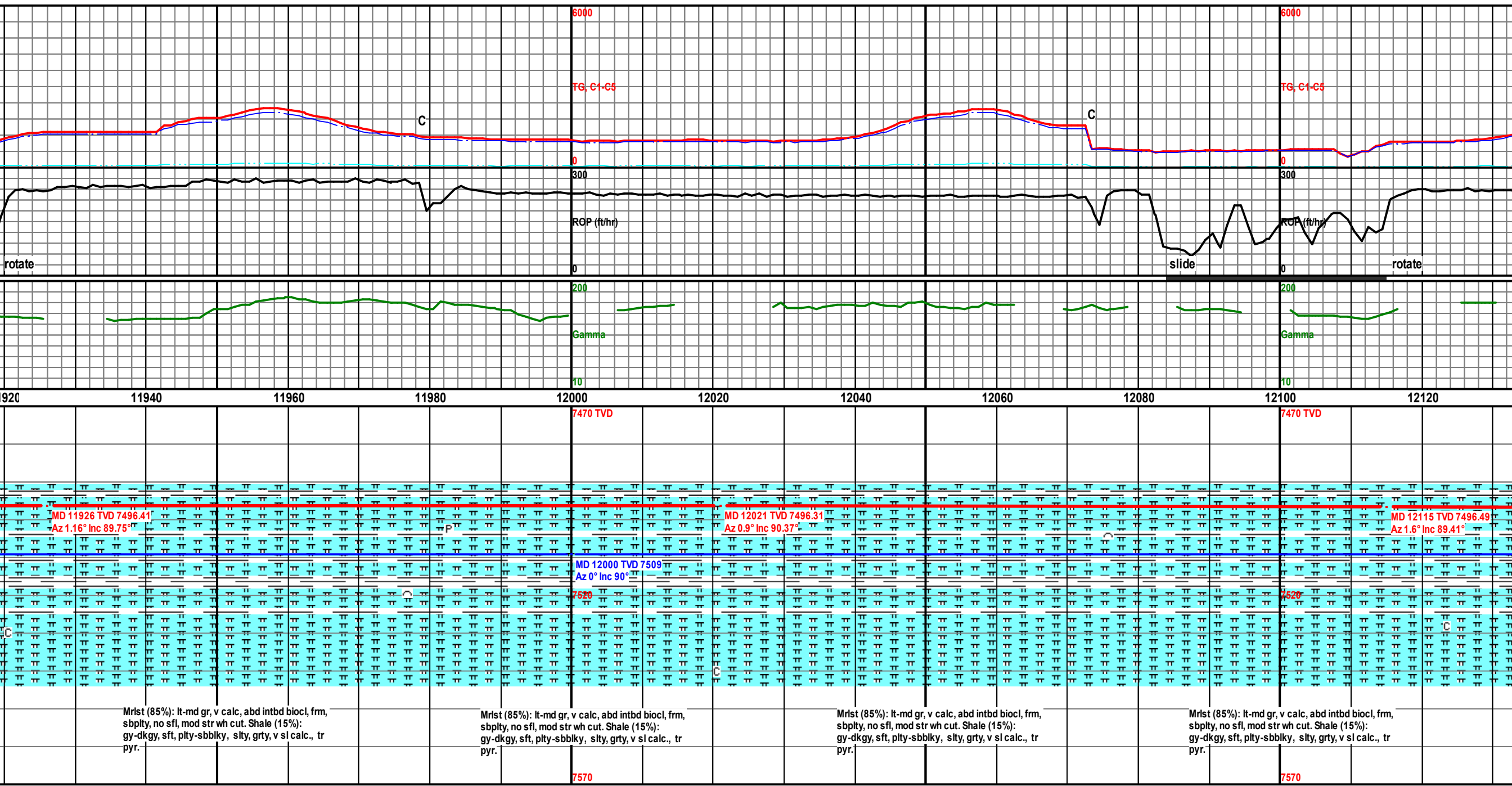


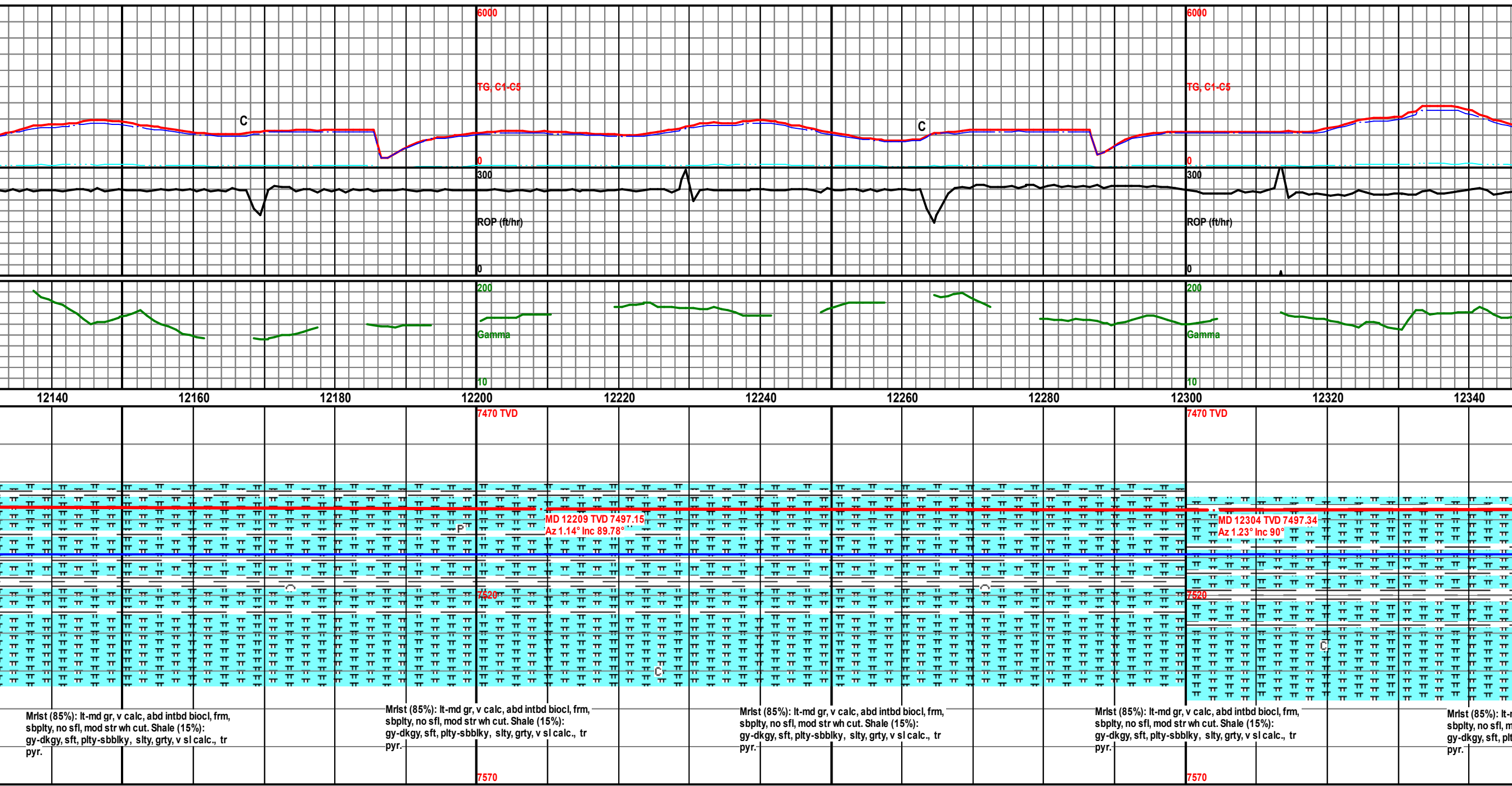


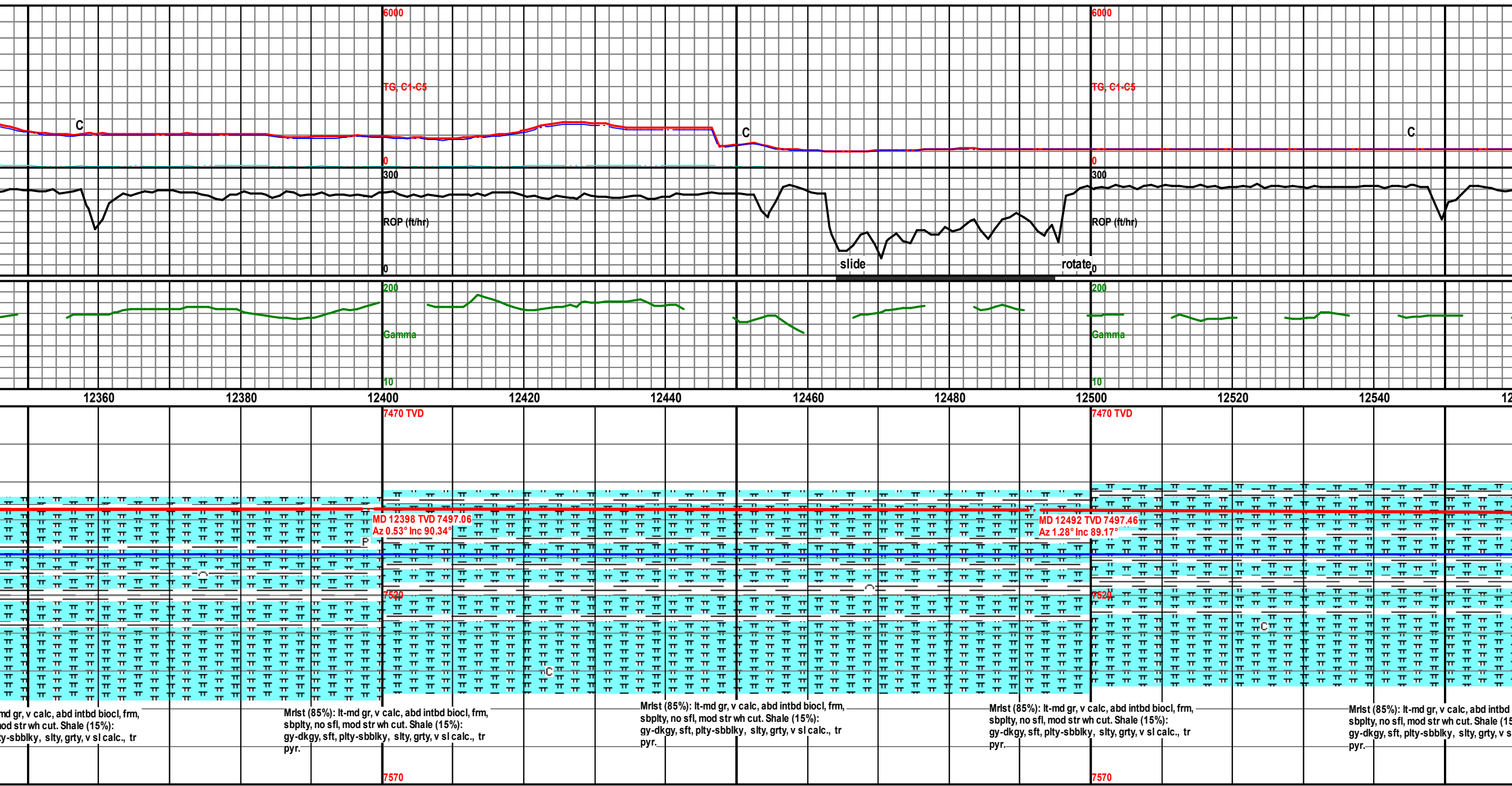


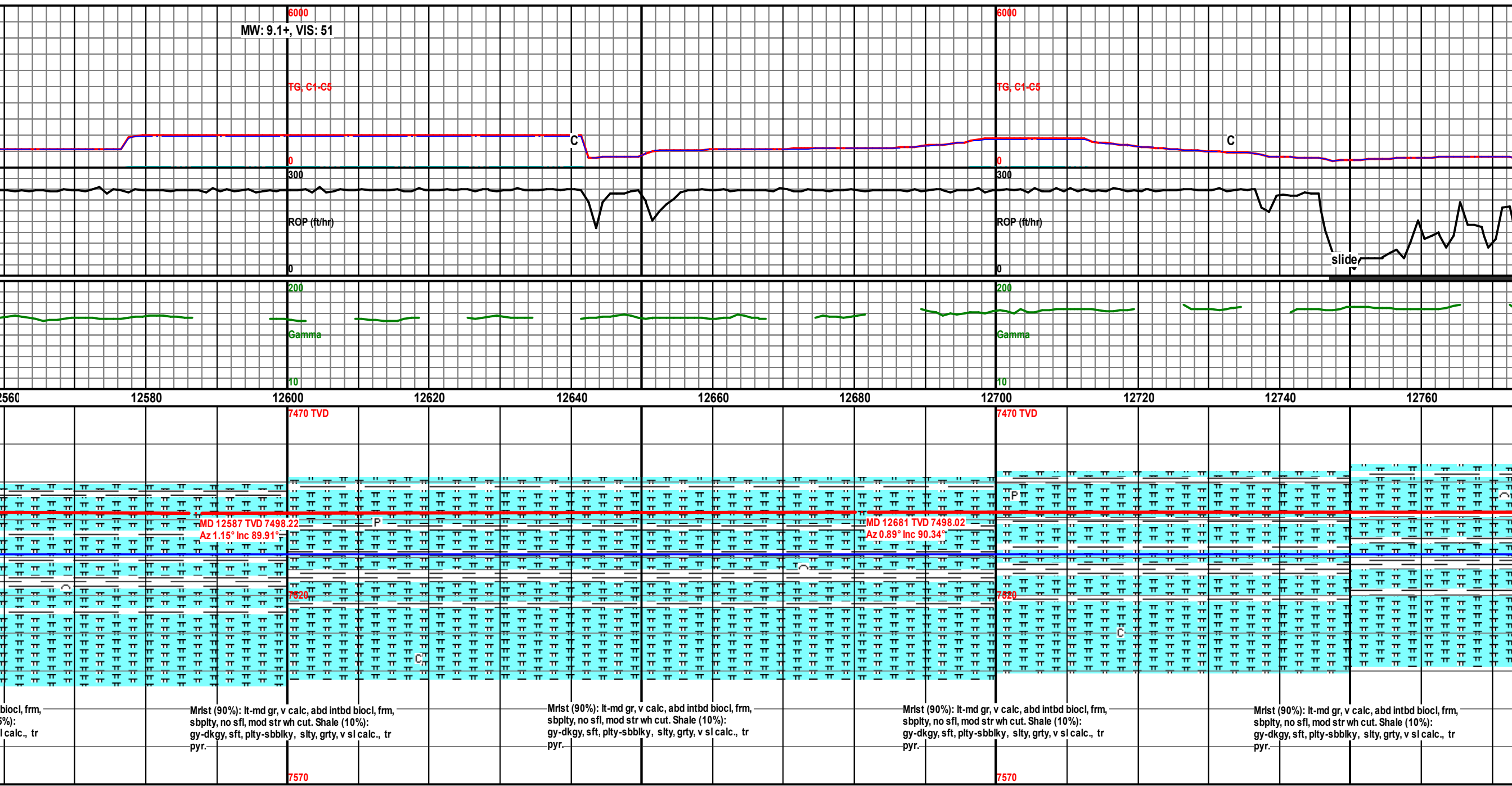


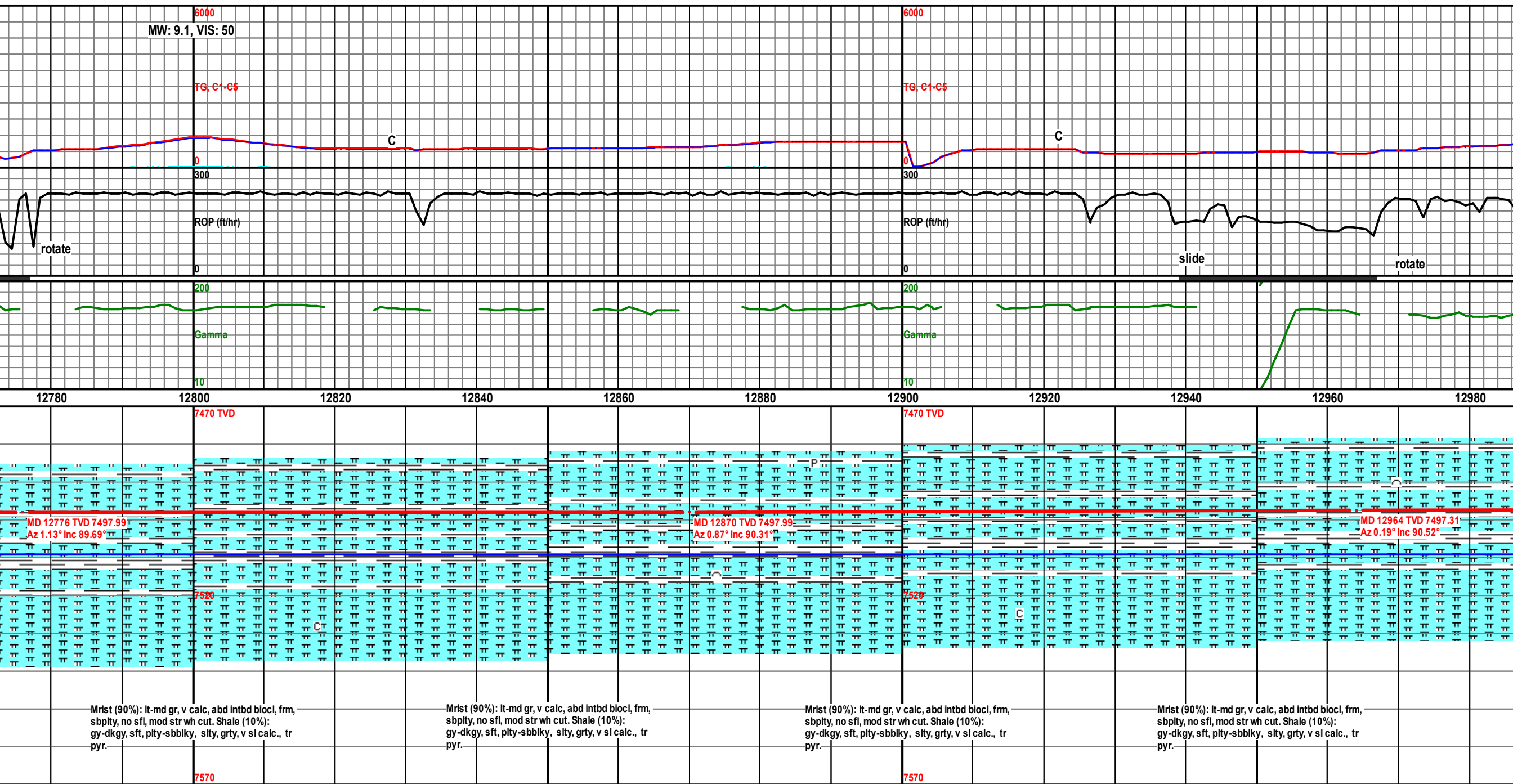


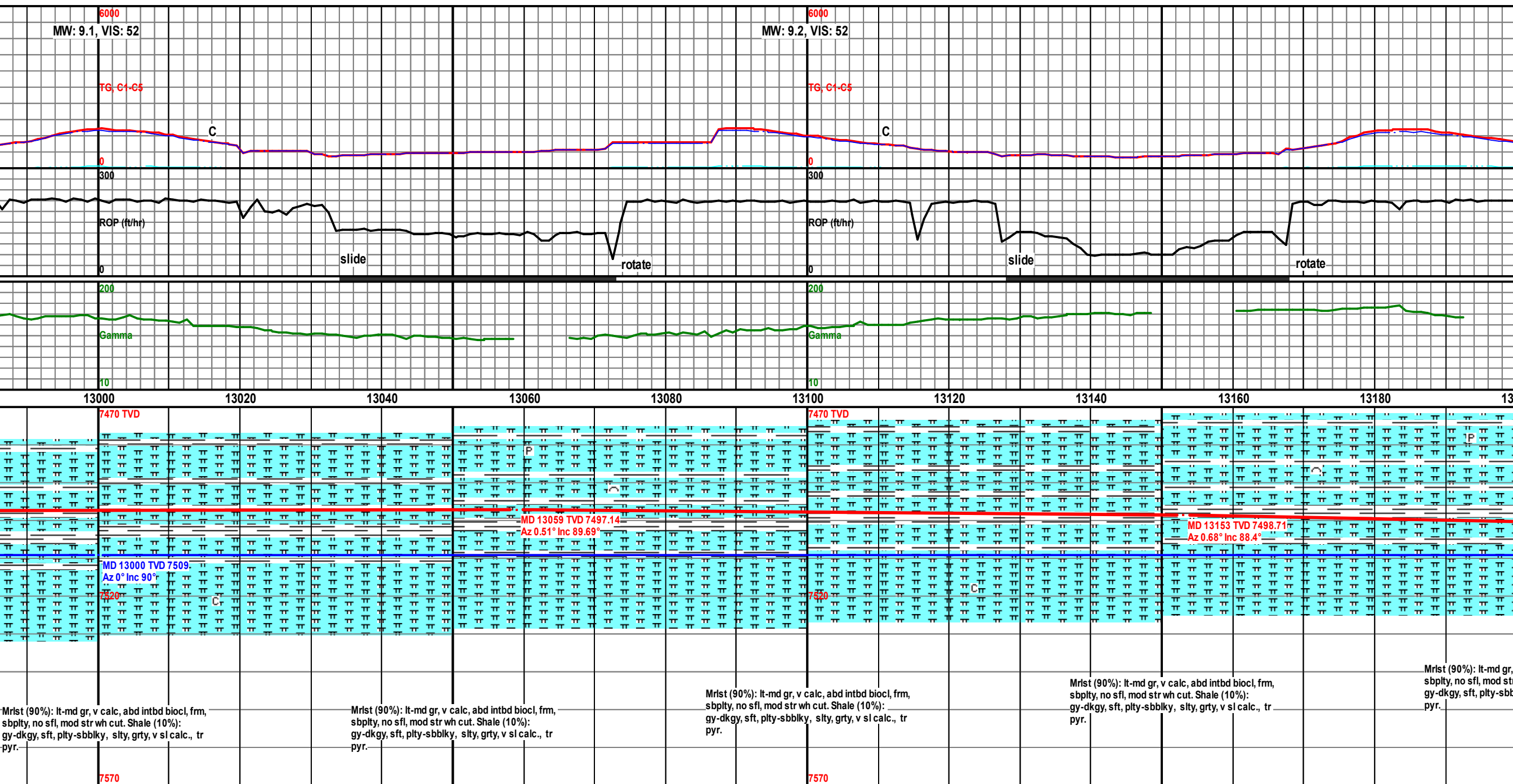


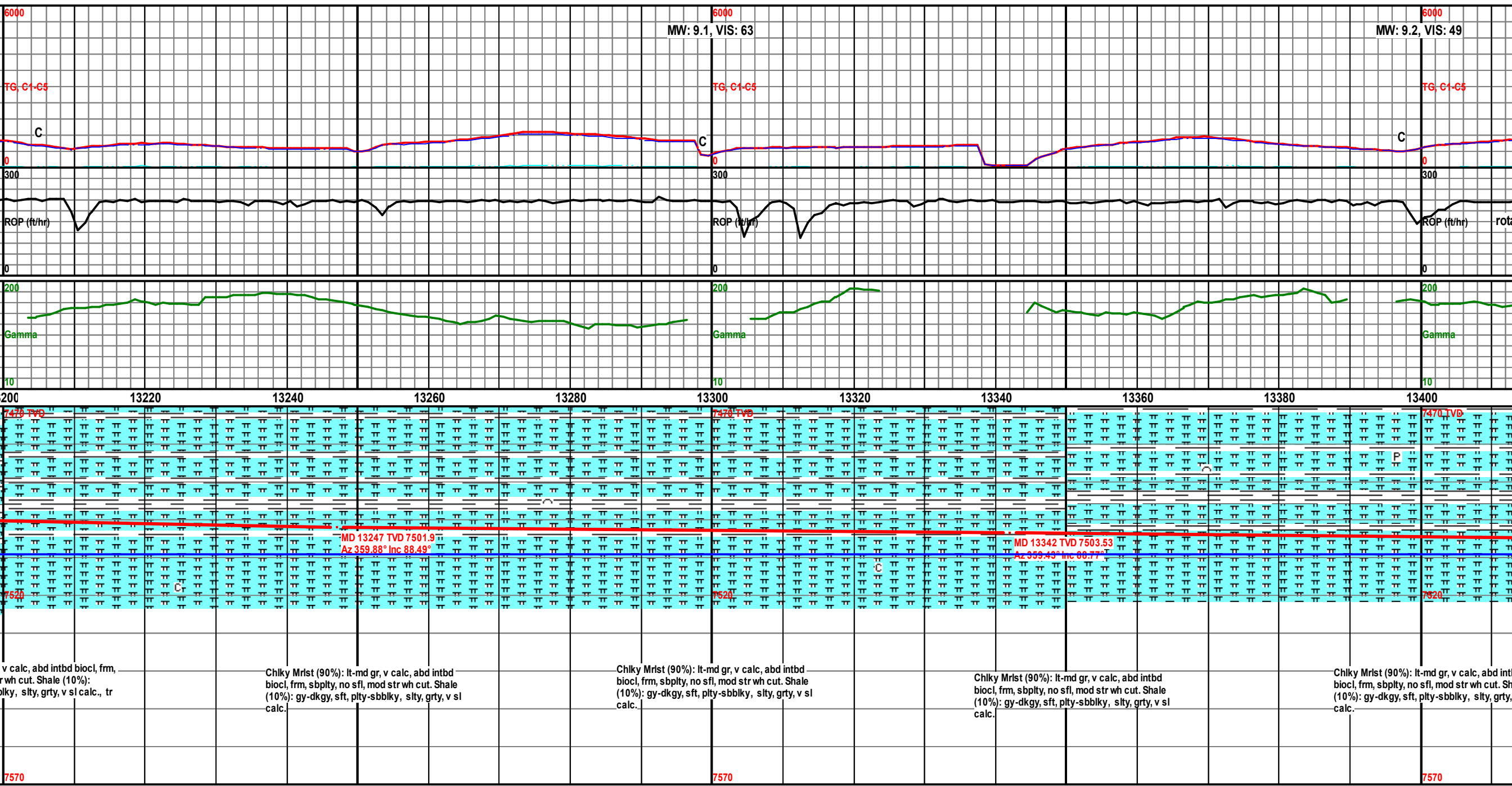


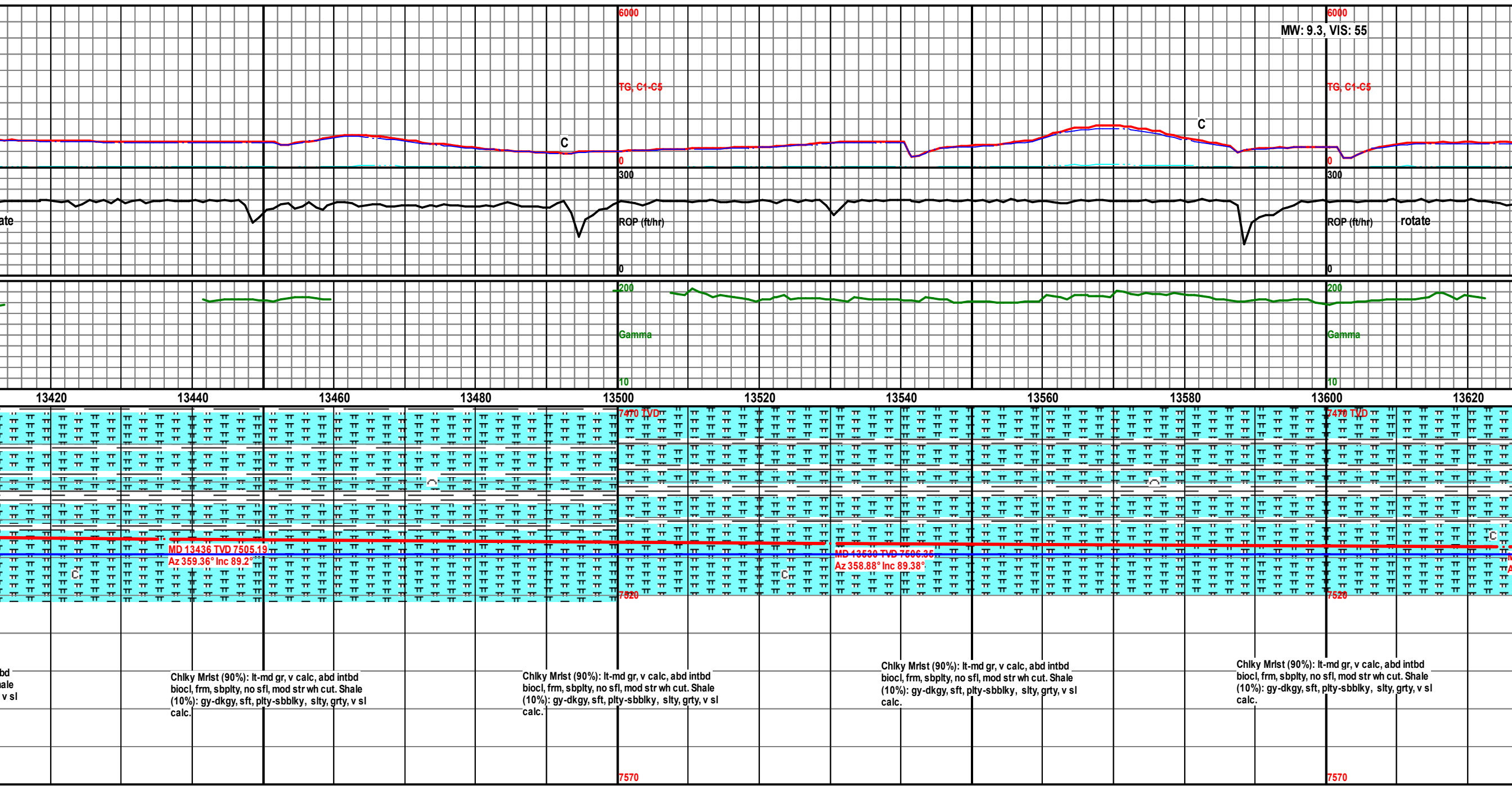


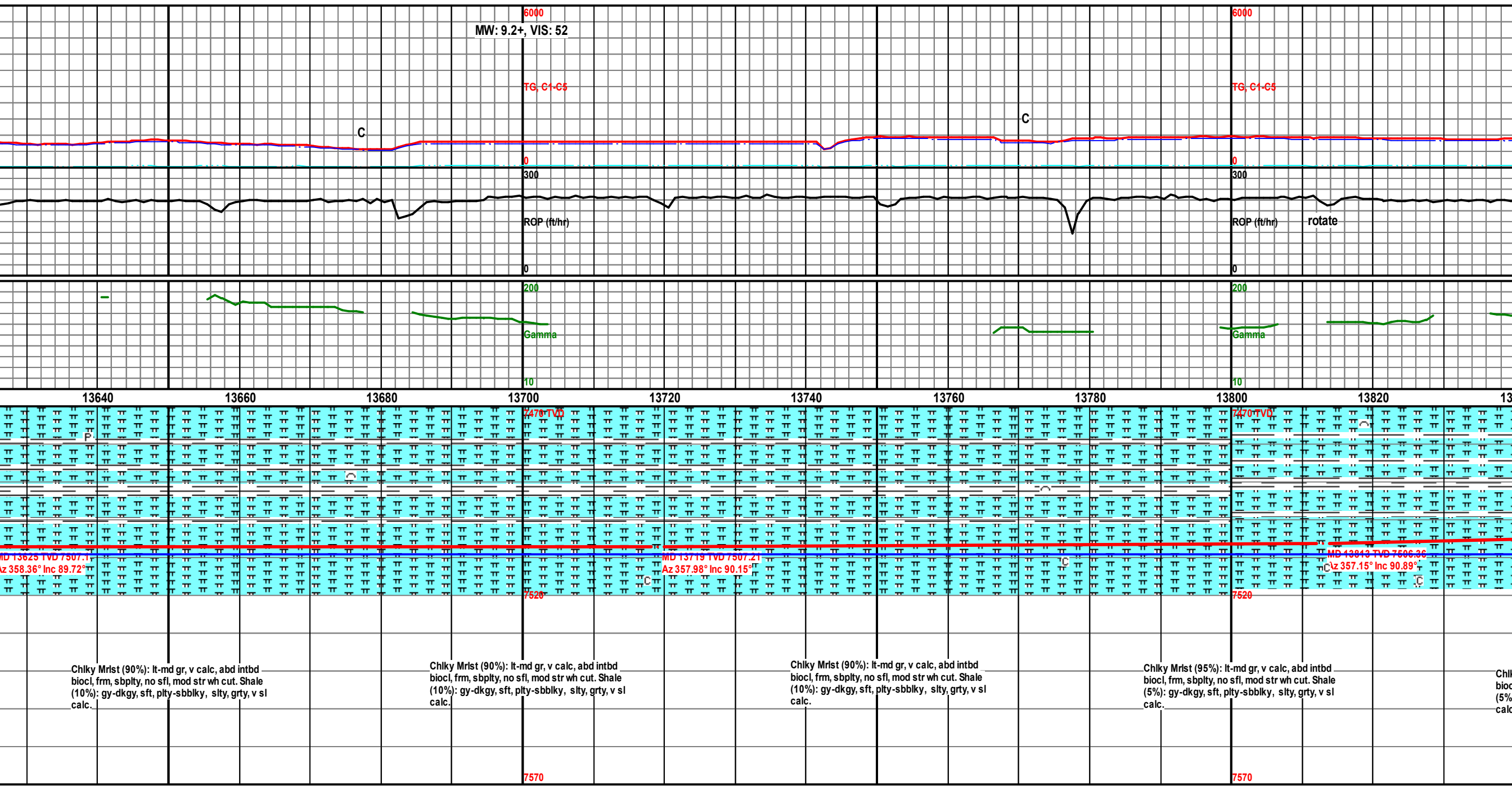


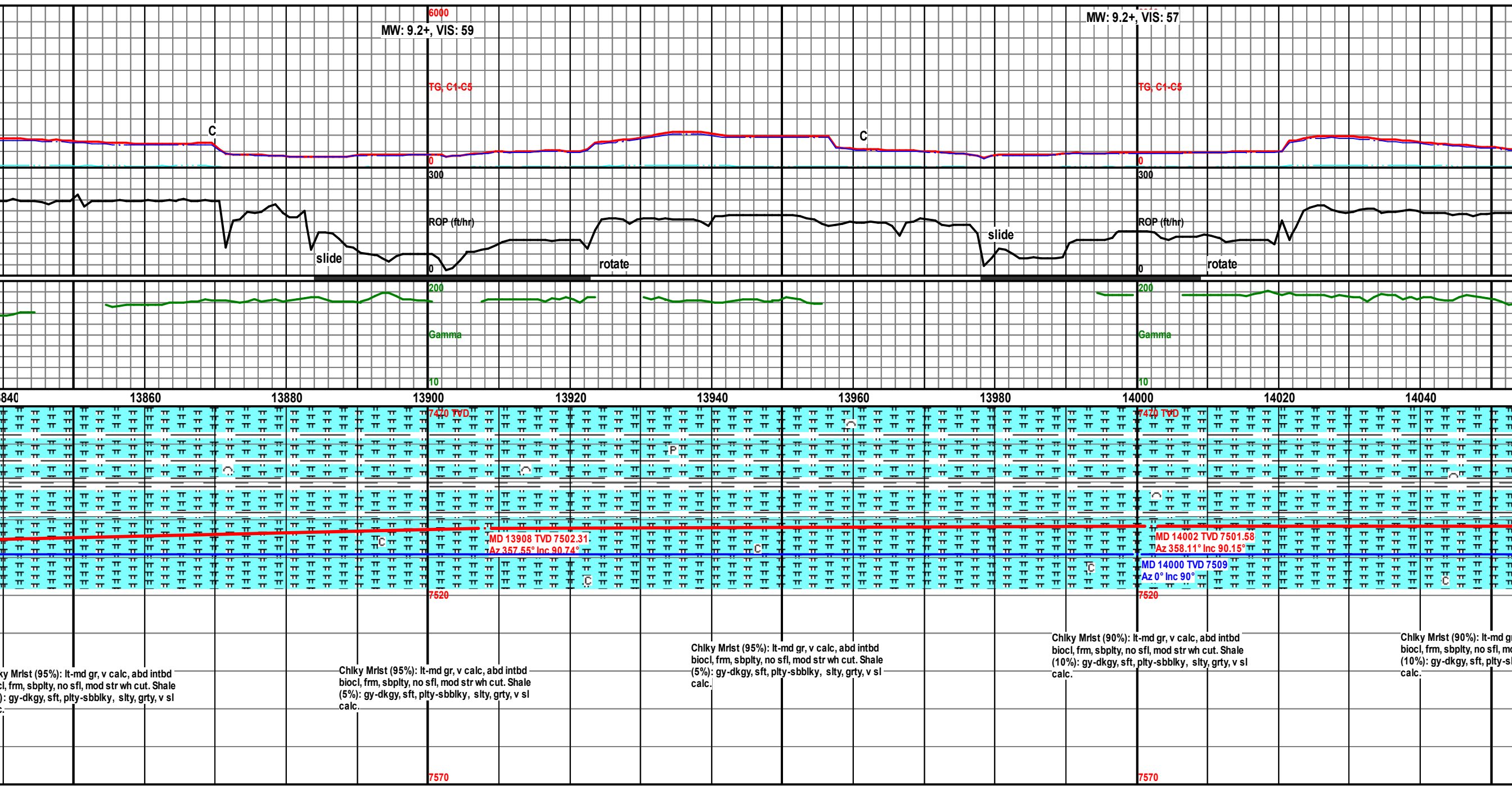


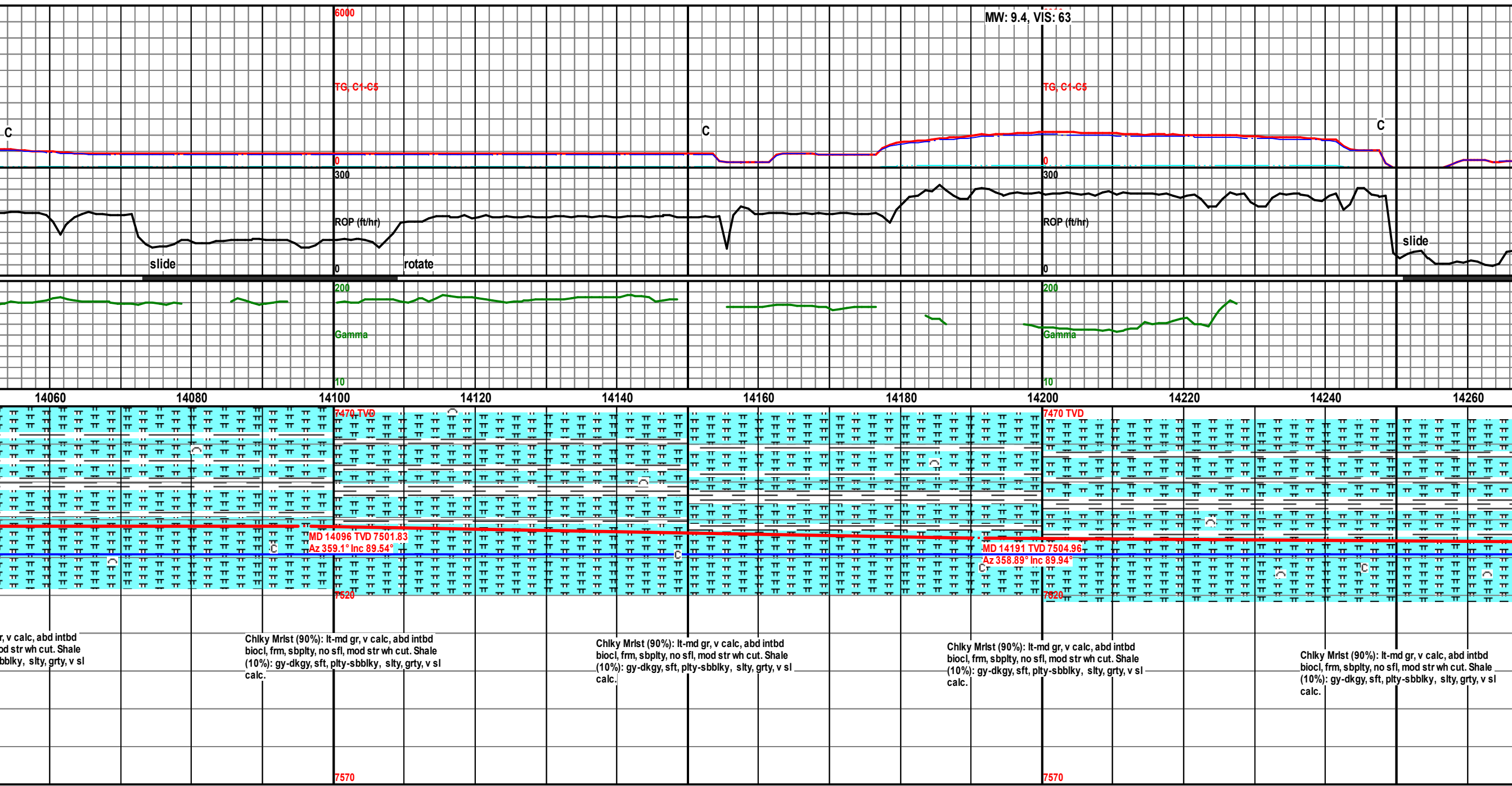


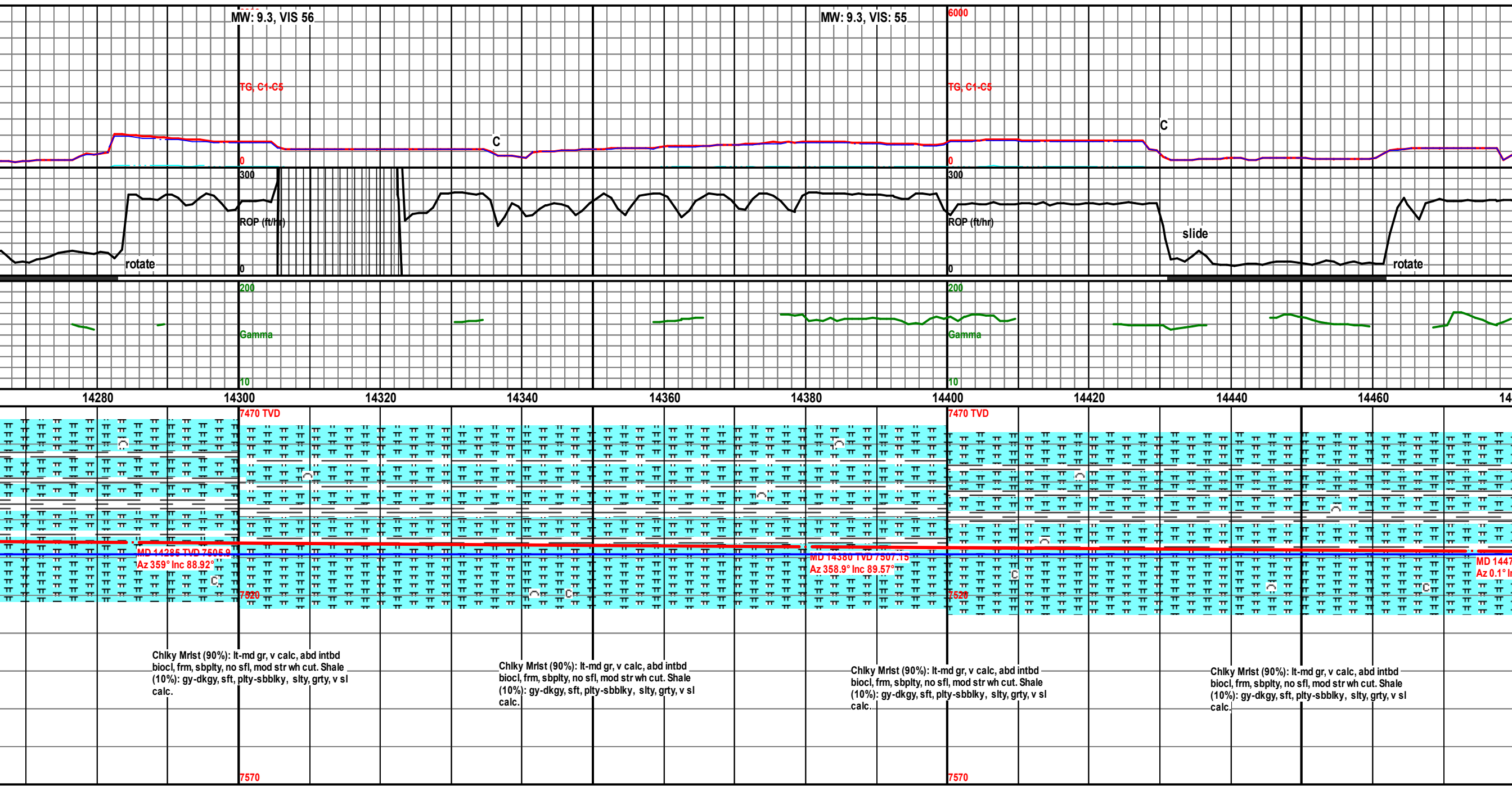


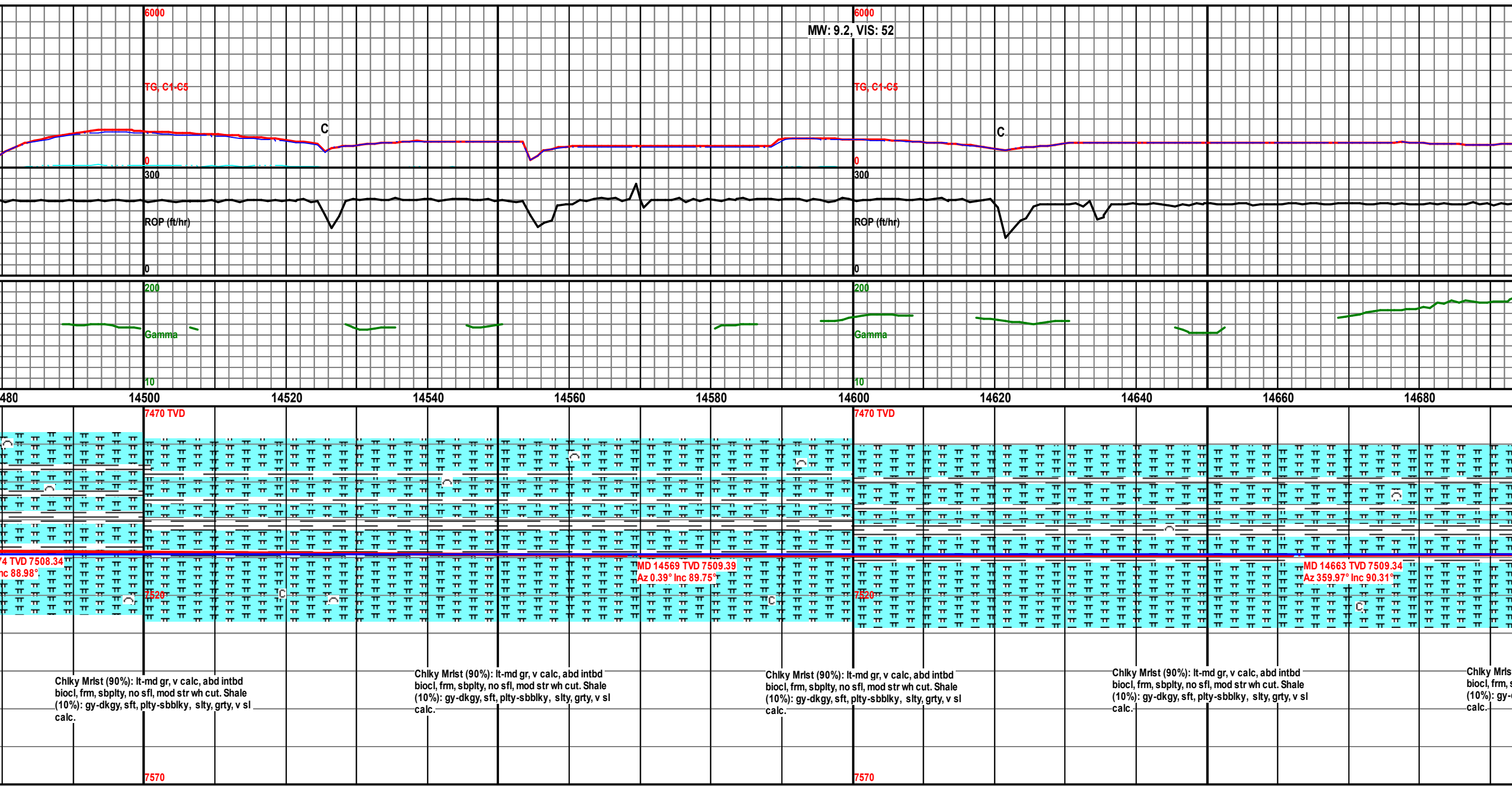


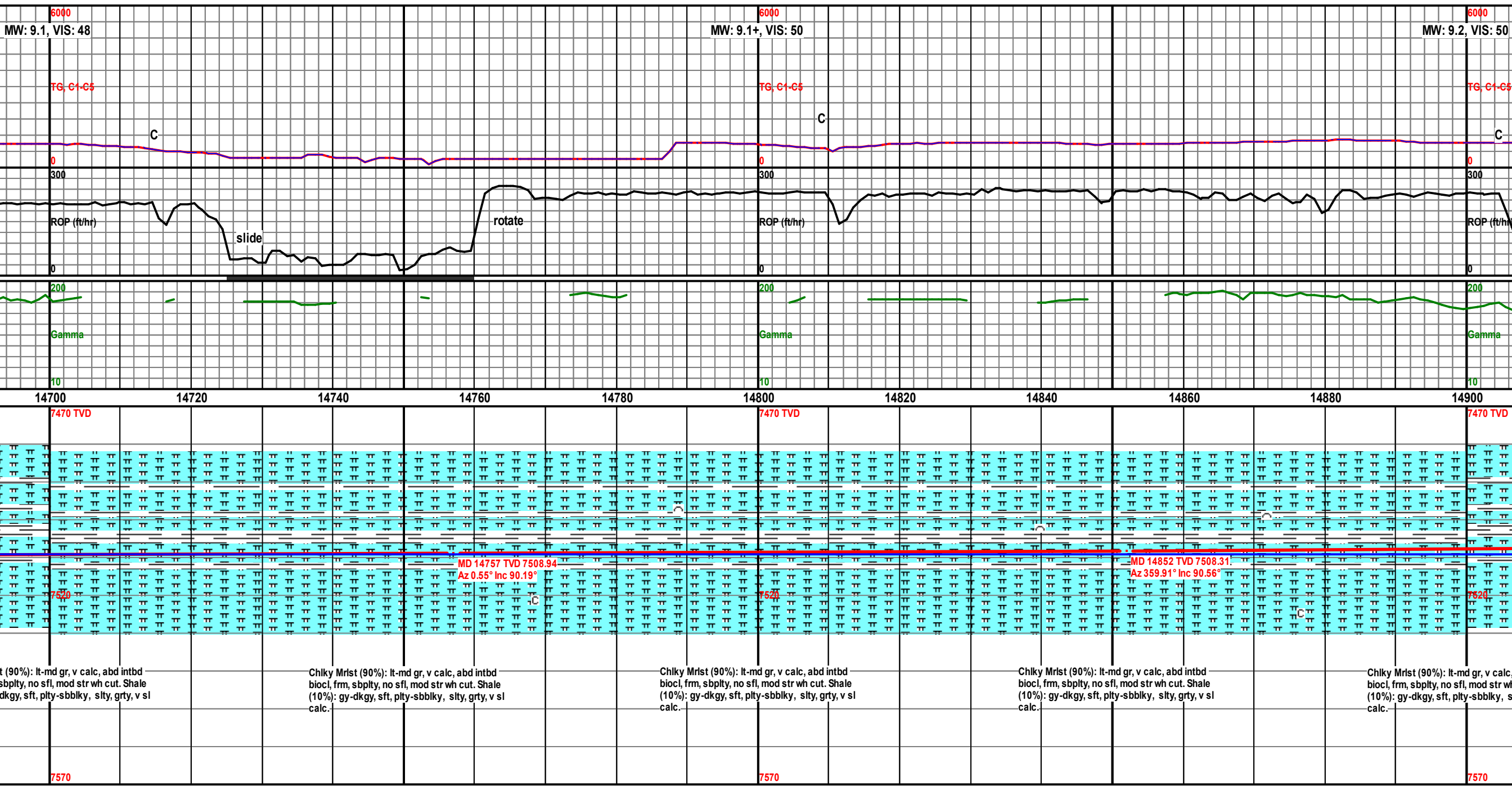


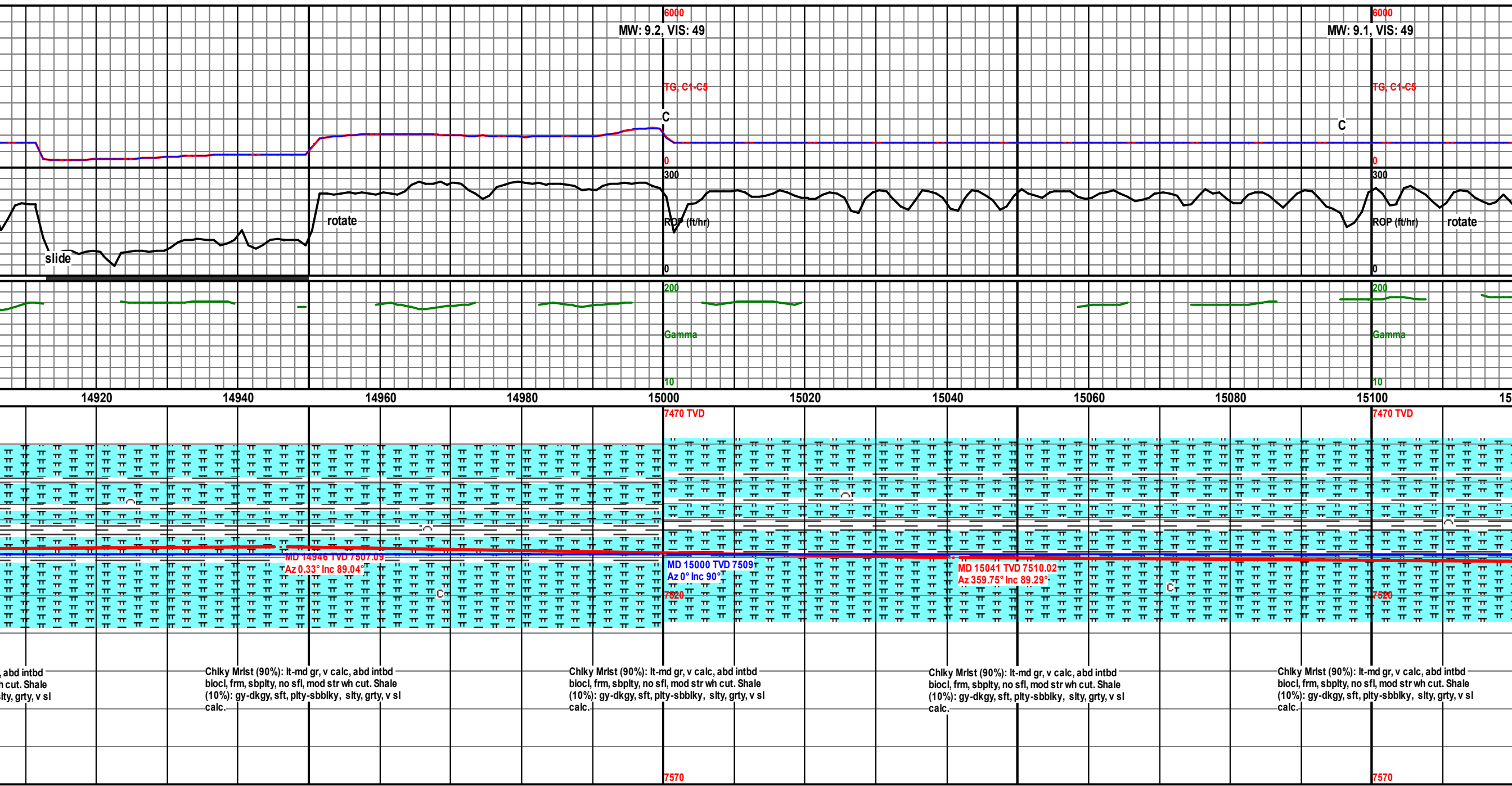


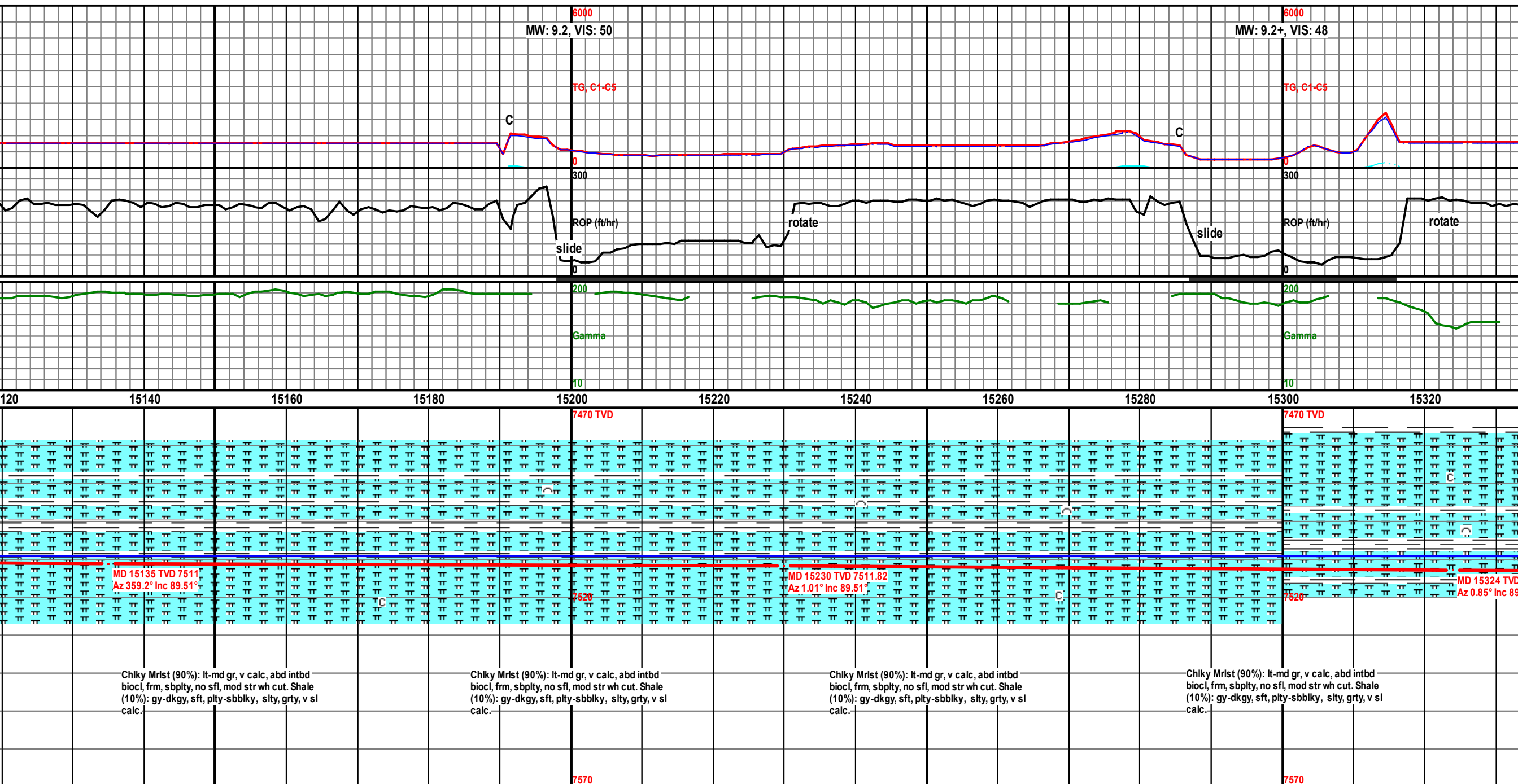


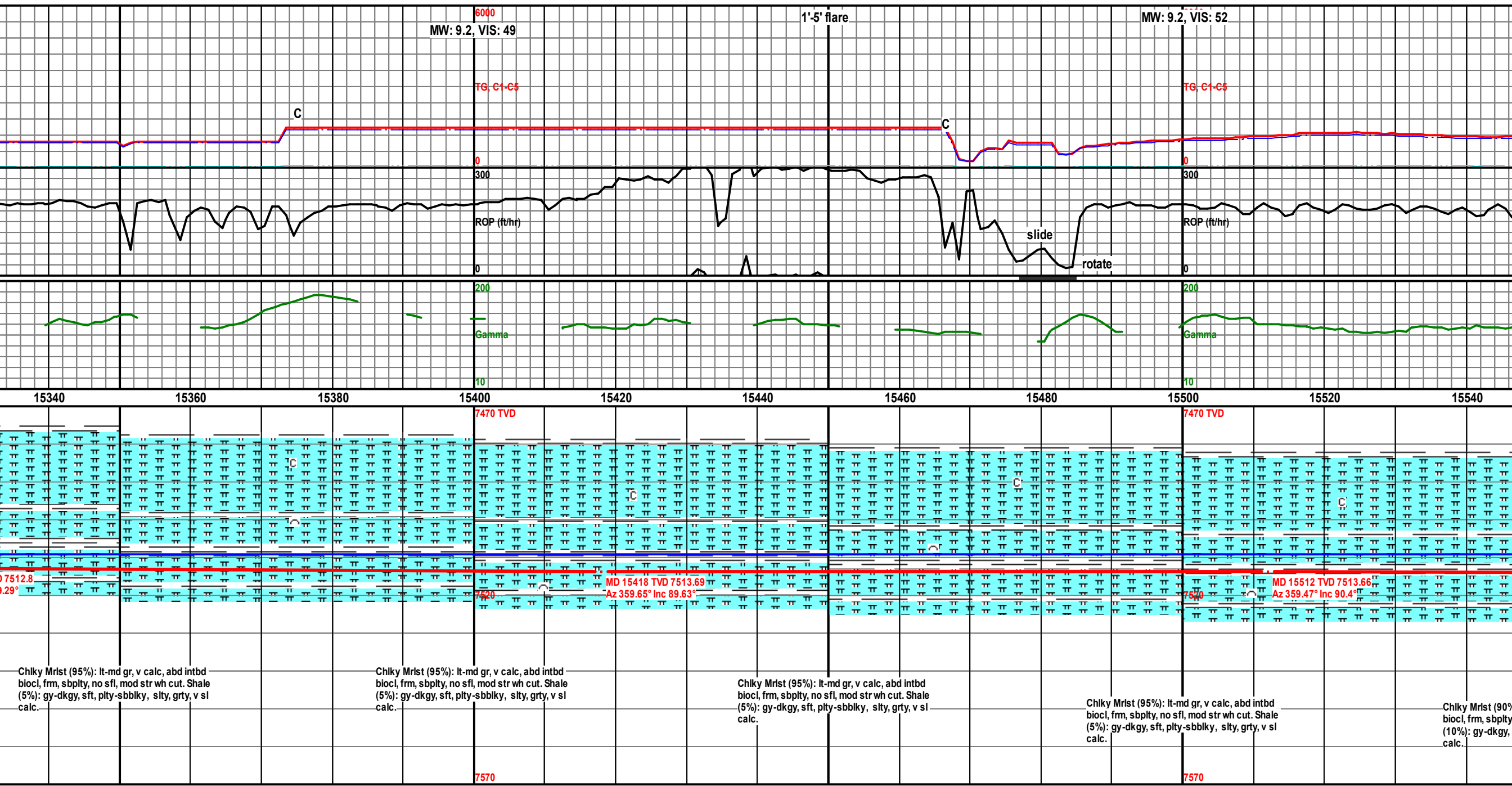


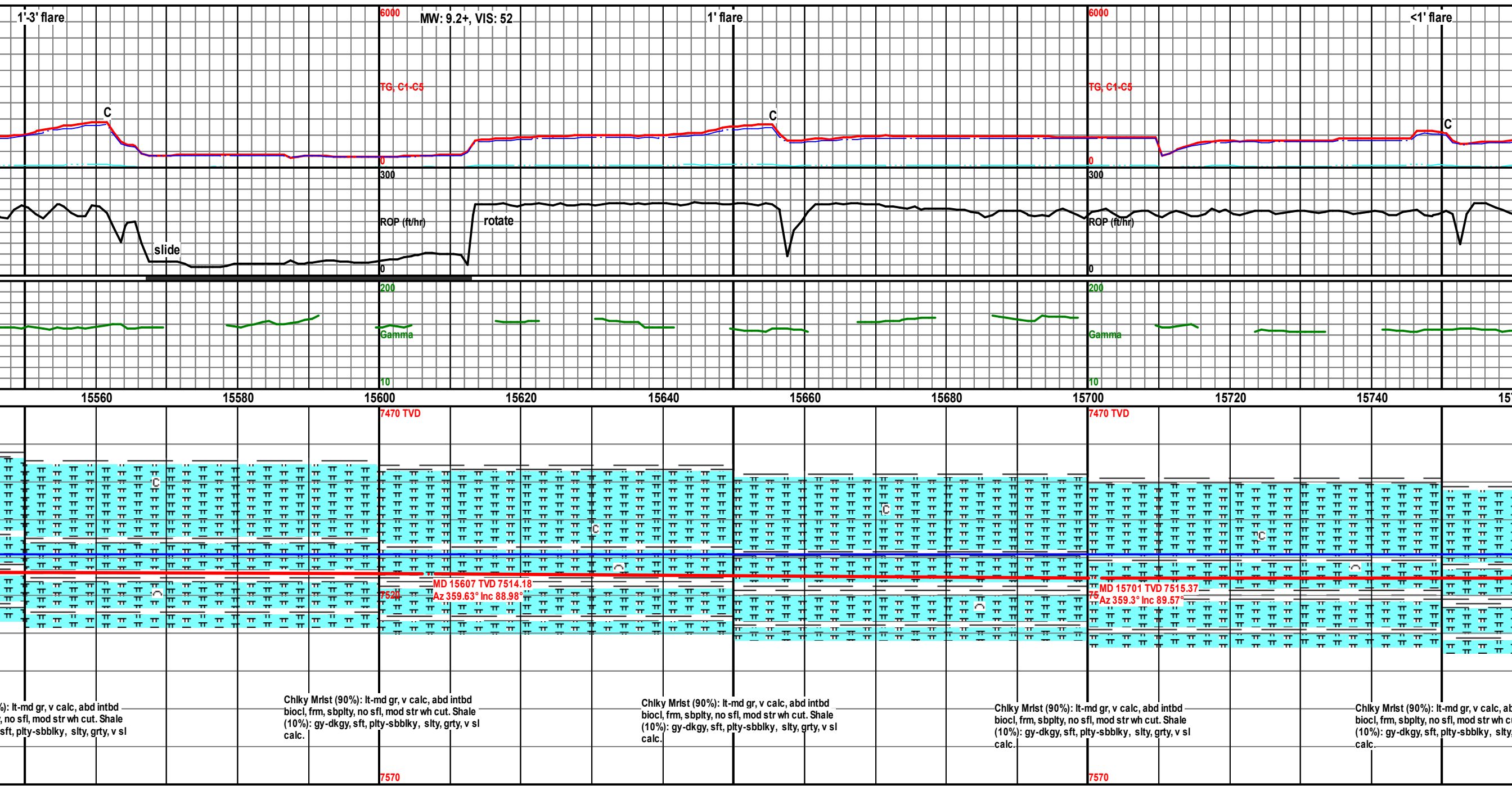


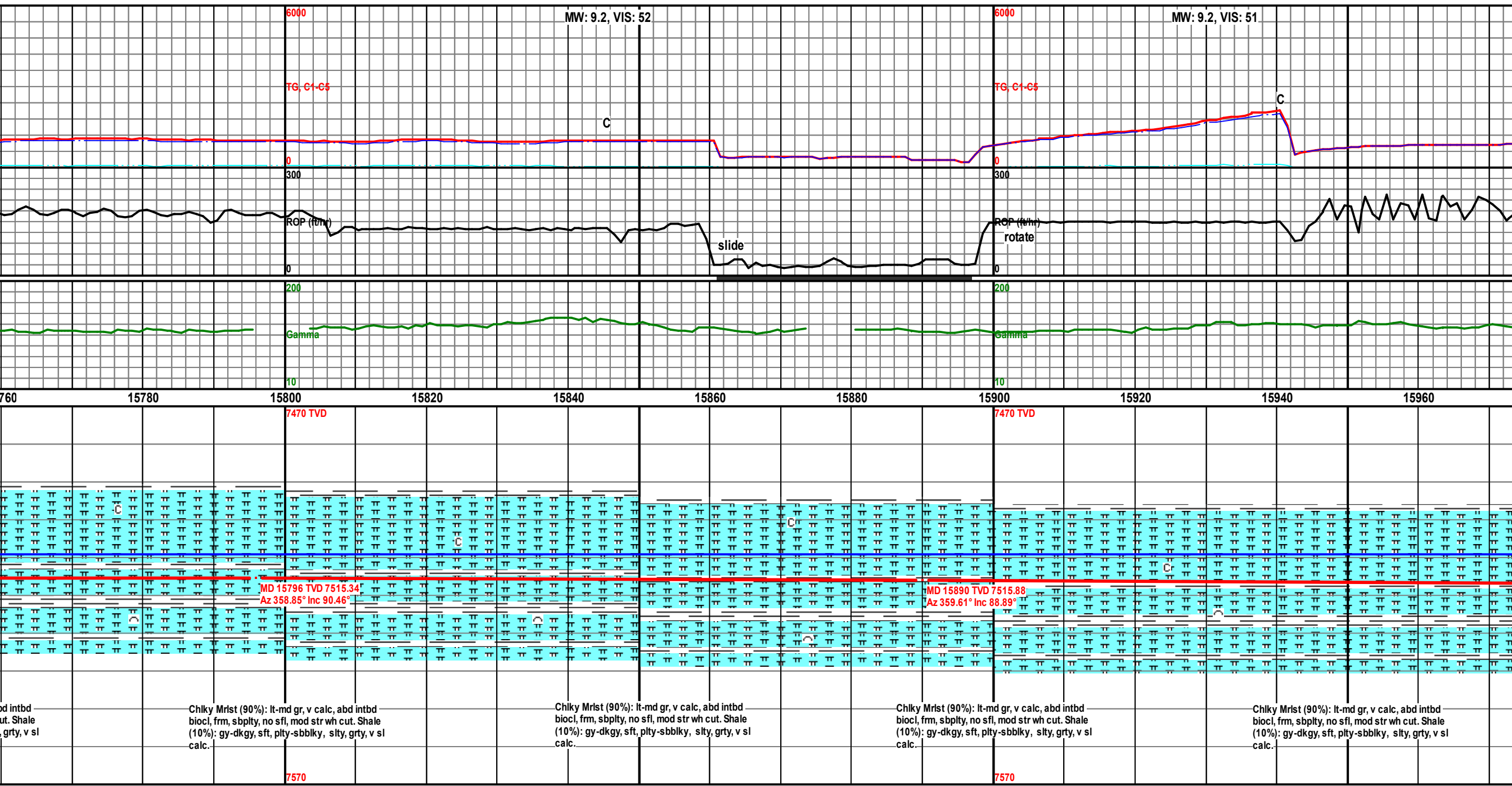


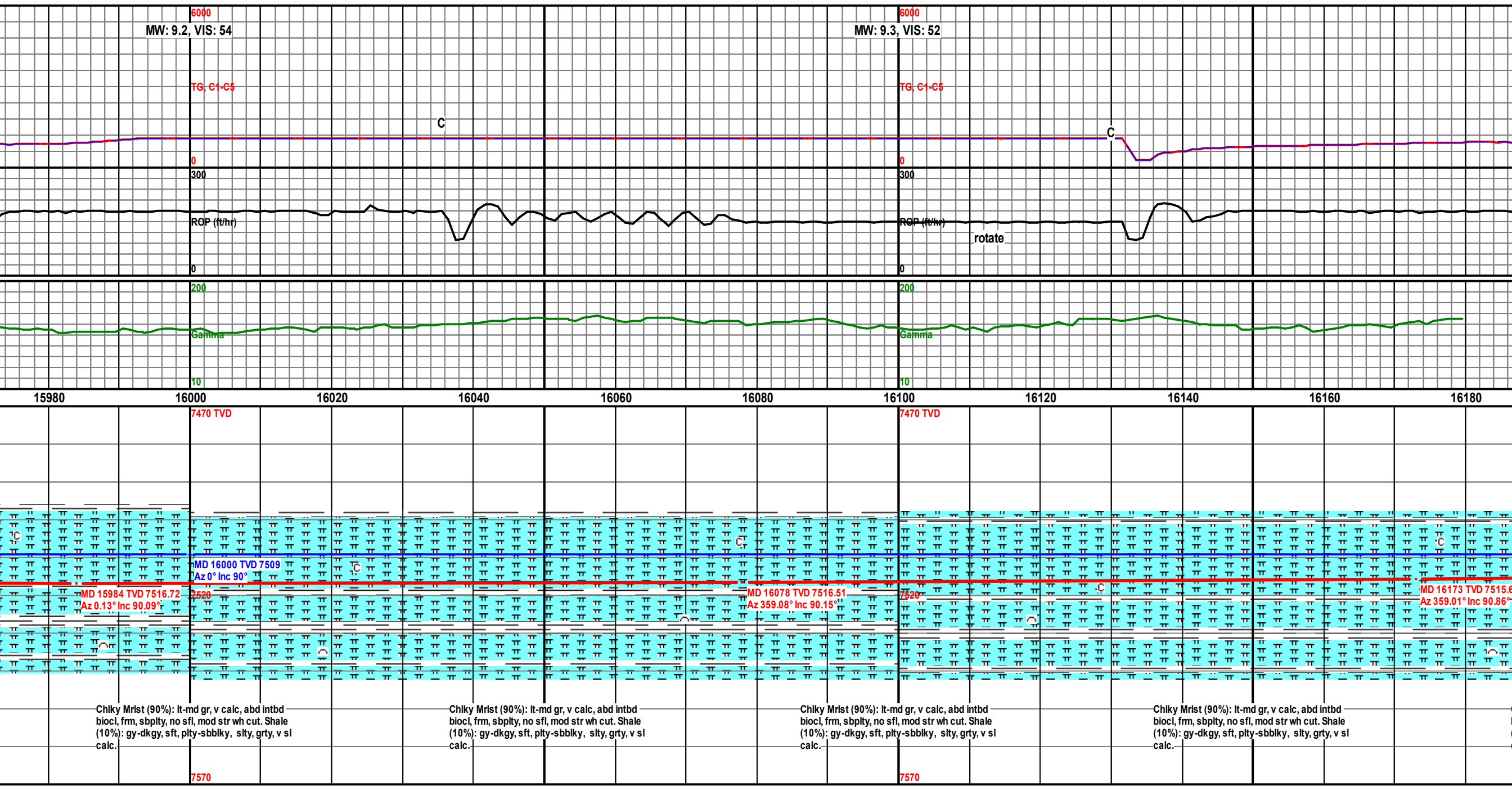


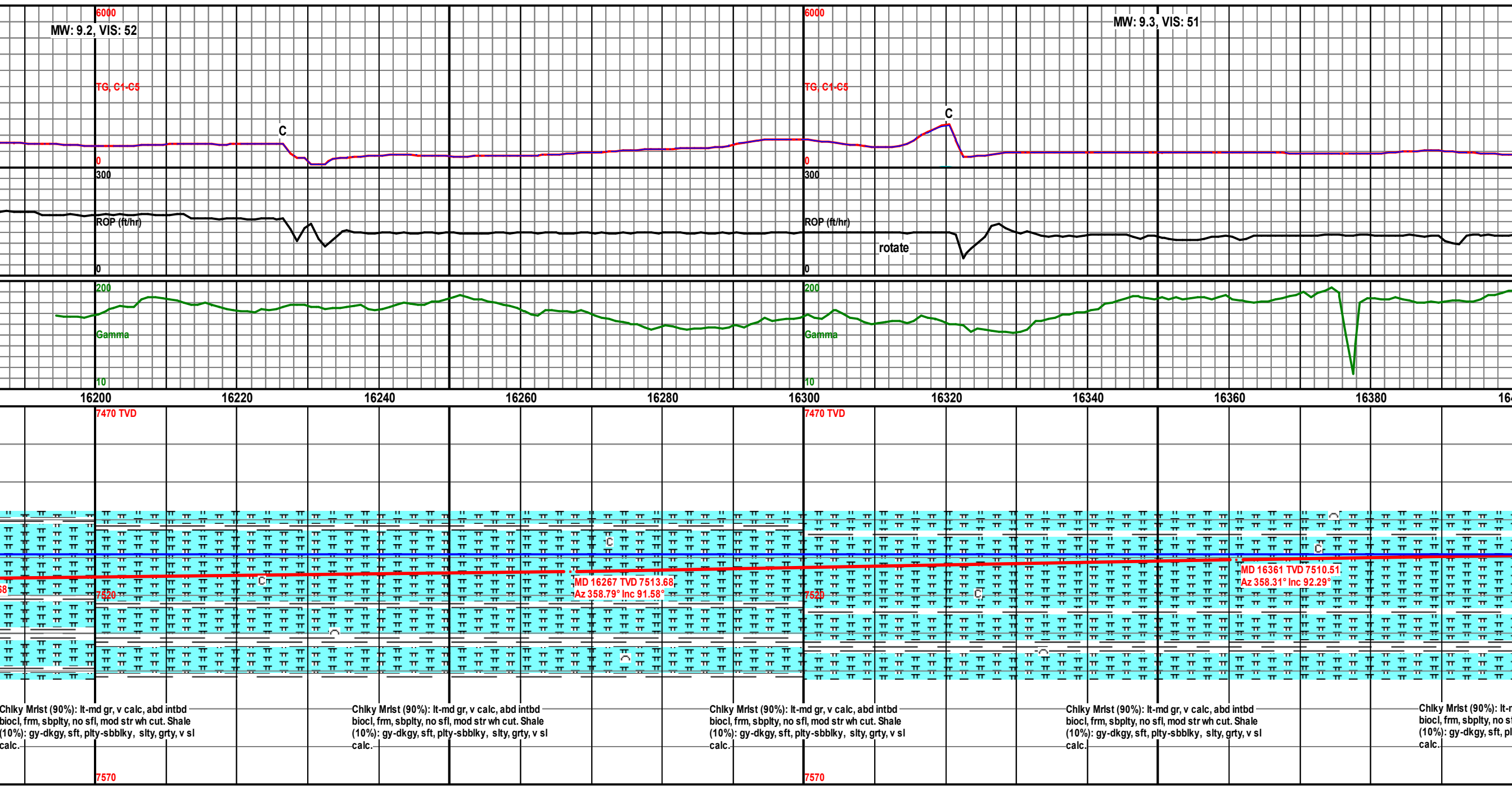


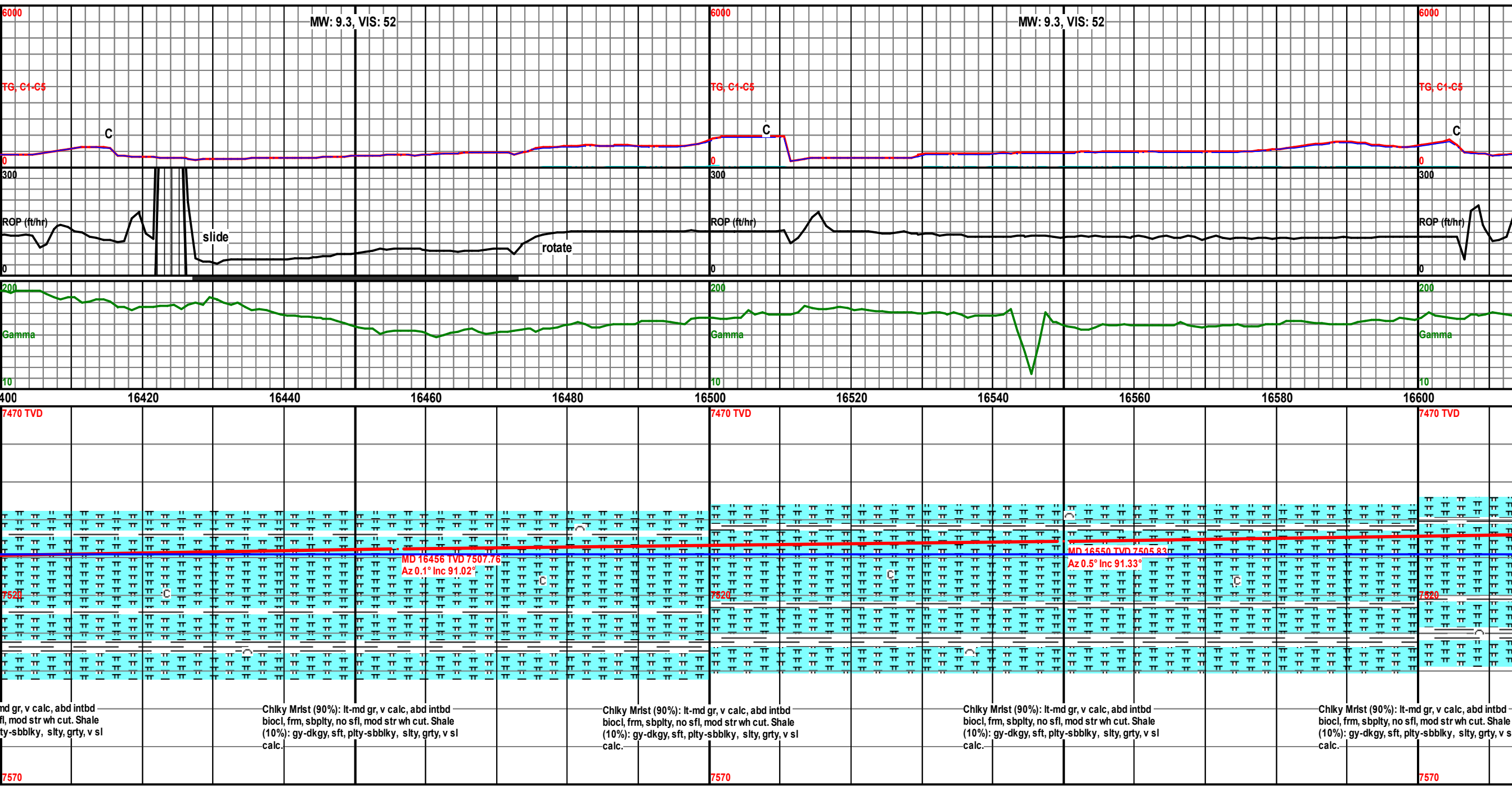


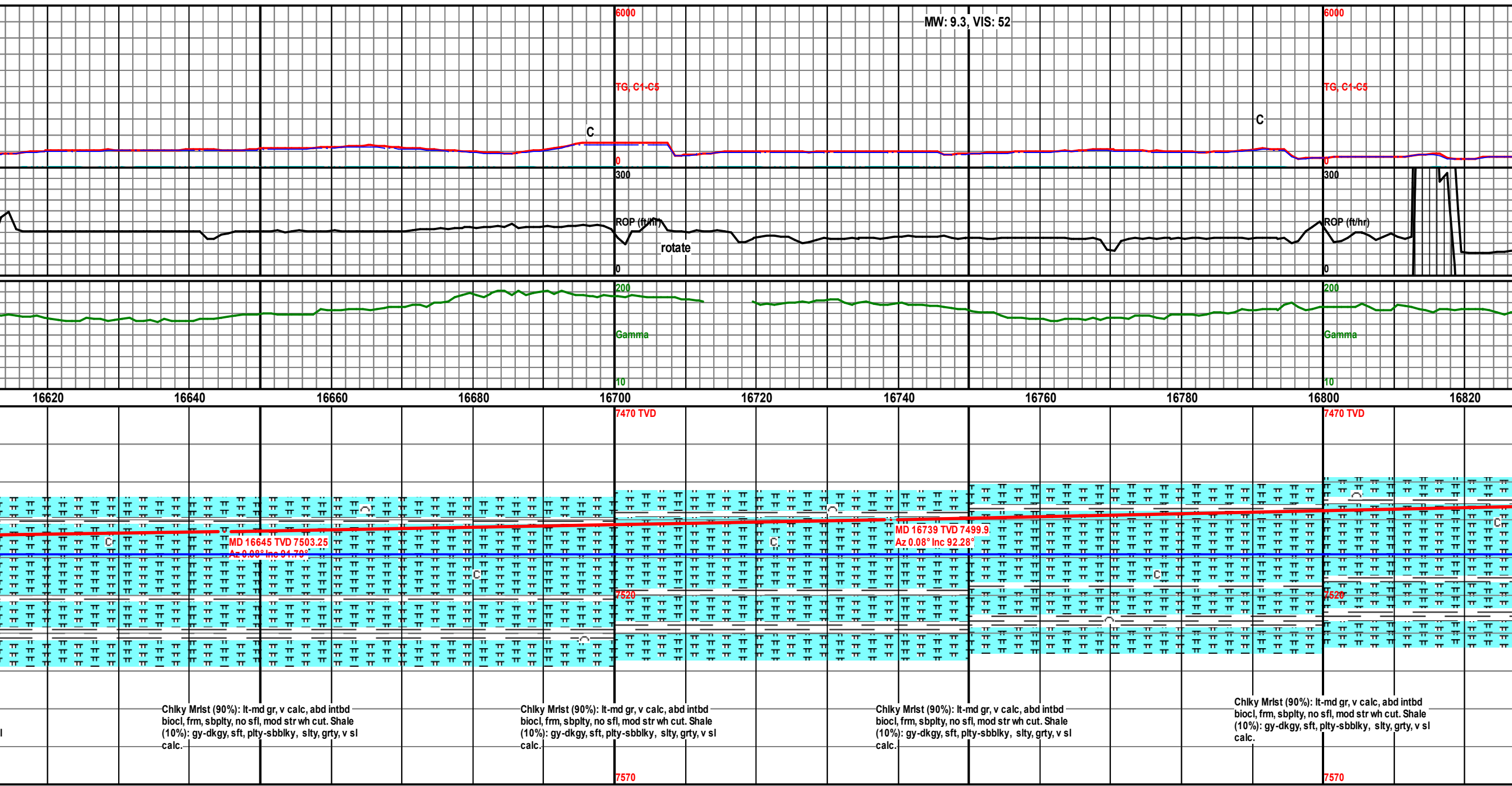


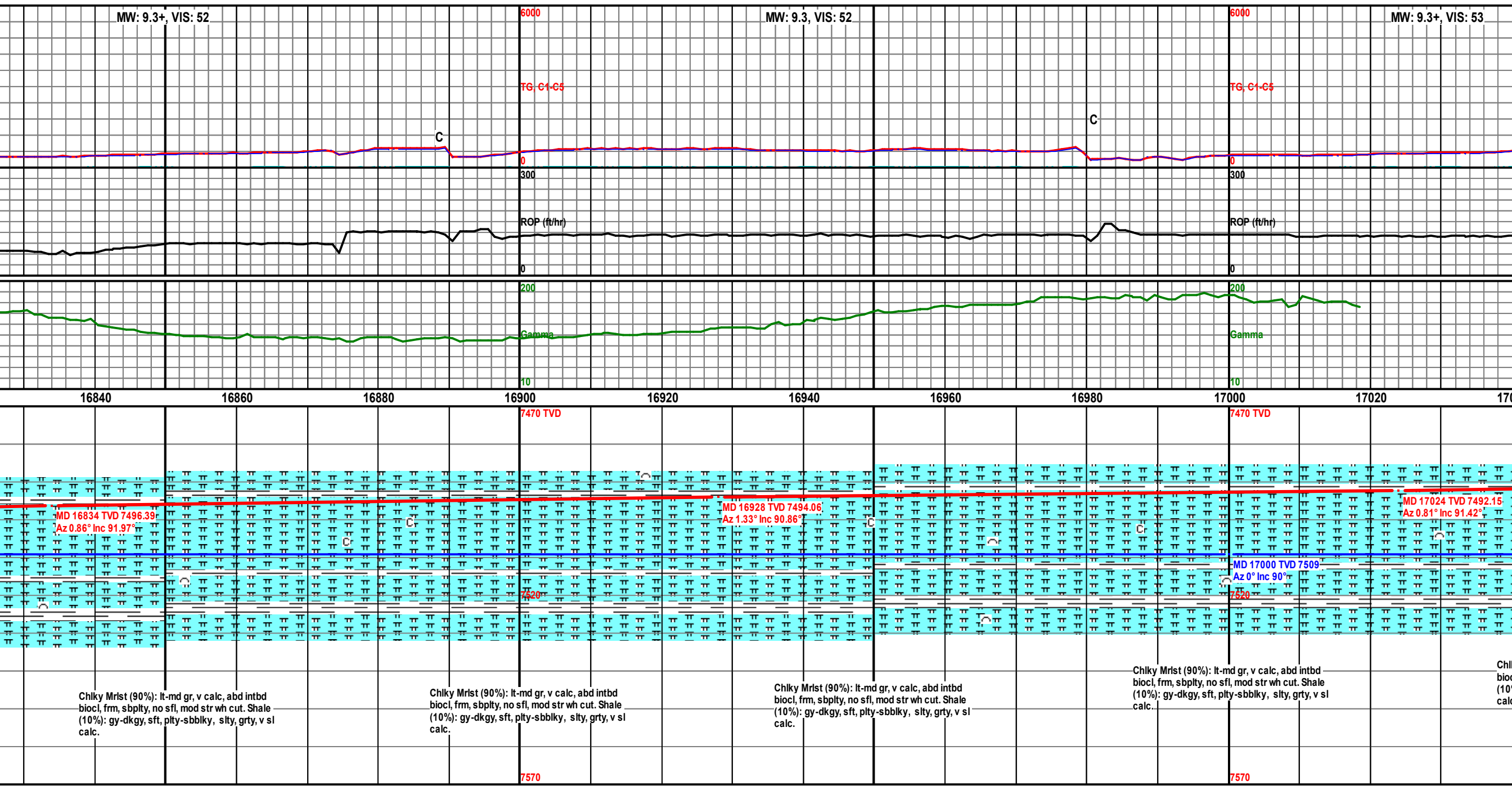












TD @ 4:40 AM, 3/31/14
2 man logging crew released
3/31/14 @ TD

The graph displays three data series over time. The red and blue lines show a similar trend, remaining relatively flat until they both rise sharply at a point labeled 'C'. The black line remains flat and lower than the others until it also rises sharply at point 'C'.

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MD 17076 TVD 7490.87
Az 0.81° Inc 91.42°

MD 17076 TVD 7509
Az 0° Inc 90°

ky Mrlst (90%): lt-md gr, v calc, abd intbd					
chl, frm, sbply, no sfl, mod str wh cut. Shale					
(%): gy-dkgy, sft, pty-sbblky, slty, grty, v sl					
c.					