

A.Gavezzotti

Pillars of crystal engineering: crystal energies and symmetry operators

Electronic supplementary Information Part 2

CSD refcodes and PIXEL lattice energies

Detail of all determinants (178 pages) are available from the author upon request at
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CSD refcode	Ecoul	Epol	Edisp	Erep	Etot
AHCHEX01	-38.3	-17.4	-151.4	83.0	-124.1
AHEMAB	-90.4	-27.3	-82.2	98.1	-101.8
AMMTAZ01	-86.2	-30.9	-75.8	85.7	-107.2
ARCLAM01	-80.0	-29.2	-55.4	82.9	-81.7
AZTHYM10	-93.6	-38.8	-76.5	109.4	-99.5
AZURAC10	-95.3	-35.4	-76.0	104.7	-102.0
BETHAZ01	-31.6	-14.3	-103.8	72.6	-77.1
BEXQOK01	-108.5	-57.5	-87.2	130.2	-123.0
BOTYIT	-32.4	-13.2	-95.9	54.2	-87.3
BRANIL	-36.0	-10.5	-118.2	75.0	-89.7
BRCYTS	-129.7	-50.7	-105.4	145.9	-139.9
BRMACA	-55.8	-23.8	-57.9	82.2	-55.3
BRNIBZ	-35.0	-11.9	-90.9	56.0	-81.8
CAACTY	-27.0	-8.3	-27.3	23.7	-38.9
CAGPUV01	-32.4	-13.2	-114.7	73.8	-86.5
CARDOO	-47.5	-17.9	-125.6	83.8	-107.2
CEWVOP01	-96.7	-36.9	-82.0	118.5	-97.1
CLBENQ	-36.4	-10.8	-76.3	49.4	-74.1
CLNIBZ01	-30.0	-10.0	-88.9	46.8	-82.1
CLNOAN	-45.5	-17.1	-124.5	83.7	-103.4
CLNOBE02	-46.4	-15.2	-97.1	62.3	-96.4
CROTAM	-75.8	-26.8	-64.3	82.2	-84.7
CUVJUY	-43.3	-11.7	-83.0	49.1	-88.9
CYAMPD11	-144.8	-53.0	-82.2	119.9	-160.1
CYANAM01	-73.2	-27.0	-45.3	64.3	-81.2
CYPYRO01	-57.3	-16.2	-79.6	61.7	-91.4
CYTSIN01	-139.5	-54.4	-95.5	144.5	-144.9
CYURAC13	-134.9	-54.3	-76.1	135.8	-129.5
DACETA	-69.2	-22.2	-59.1	70.2	-80.3
DATNBZ01	-56.4	-18.9	-123.8	85.0	-114.1
DCHLAN01	-41.8	-18.5	-123.4	80.4	-103.3
DCLPHM01	-69.4	-46.2	-114.4	123.2	-106.8
DCPYAZ01	-28.4	-11.6	-98.0	58.2	-79.8
DCYANM	-19.7	-4.8	-35.4	19.9	-40.0
DIACHZ	-87.2	-36.4	-82.4	99.2	-106.8
DIKPIP03	-128.7	-43.5	-94.2	141.2	-125.2
HCCYHB	-47.2	-18.3	-166.5	93.4	-138.6
HCCYHG	-47.1	-22.9	-156.2	104.9	-121.3
DNOPHL02	-50.6	-14.6	-94.1	74.3	-85.0
DTURAC01	-113.4	-76.0	-120.2	181.1	-128.5
DUCKOB03	-7.3	-3.2	-49.1	27.8	-31.8
ECARBM10	-68.5	-23.1	-53.4	64.9	-80.1
ETHCAR	-38.3	-9.5	-49.9	32.1	-65.6
FEPGEM	-70.3	-23.8	-60.3	77.4	-77.0
FINBIP	-34.5	-8.9	-58.9	44.8	-57.5
FIZZOD	-84.3	-31.3	-62.1	91.0	-86.7
FRANAC03	-93.6	-45.4	-76.9	130.2	-85.7
FULPIM	-90.8	-46.4	-68.0	115.3	-89.9
FURACLO3	-114.0	-42.1	-80.6	121.3	-115.4
GETVEH	-24.9	-11.9	-114.5	60.7	-90.6
GLURAC13	-151.4	-69.6	-88.4	180.9	-128.5
HAMGOT	-59.6	-23.4	-99.4	85.7	-96.7
HIBWEU	-19.9	-11.0	-105.6	54.0	-82.5
HIFKUC	-88.0	-39.7	-68.2	106.9	-89.0
ISNICA	-135.7	-89.2	-88.9	202.8	-111.0
ITIZOA	-61.2	-25.7	-79.5	88.1	-78.3
IXANOK	-46.7	-21.8	-89.3	92.8	-65.0
JAHZEX10	-125.2	-49.3	-80.0	119.5	-135.0
KIKREC	-99.7	-36.2	-90.3	103.6	-122.6
KOMYEQ01	-41.4	-11.6	-72.5	51.6	-73.9

LETFEV	-54.6	-23.9	-63.6	66.4	-75.7
LETNAZ01	-86.5	-41.0	-86.5	111.6	-102.4
LIJFUG	-48.9	-13.3	-59.7	39.7	-82.2
MEMALA01	-145.9	-69.2	-72.7	177.2	-110.6
MENPDL	-145.6	-59.2	-69.4	174.2	-100.0
METCYT01	-107.9	-40.2	-98.1	108.4	-137.8
METURA01	-91.0	-37.1	-93.7	118.3	-103.5
MUBZOY	-36.8	-12.2	-72.6	45.5	-76.1
MUBZUE	-36.4	-12.0	-73.8	51.6	-70.6
NIJHUJ04	-87.9	-37.5	-75.0	104.2	-96.2
NIKVUZ	-36.9	-10.0	-50.2	43.6	-53.5
NTCPOL01	-33.0	-10.6	-95.4	56.0	-83.0
OFIZEK	-50.7	-23.1	-101.4	90.8	-84.4
OWEKEH	-37.5	-14.2	-82.7	65.4	-69.0
PBRANL01	-41.3	-12.1	-97.6	61.5	-89.5
PBRPOL	-57.7	-26.5	-84.3	81.3	-87.2
PCPHOL01	-57.6	-29.6	-174.6	132.4	-129.4
PENTAN01	-9.4	-3.8	-64.0	35.8	-41.4
PERYTO13	-223.8	-98.1	-105.2	275.8	-151.3
PICANO04	-55.6	-16.3	-85.2	64.2	-92.9
PRONAC	-80.0	-38.4	-52.7	103.0	-68.1
PUVVUZ	-50.9	-25.9	-106.2	102.6	-80.4
PYRDN011	-46.7	-15.9	-73.4	52.4	-83.6
QOPBED	-45.1	-13.1	-52.9	39.1	-72.0
QQQBNG01	-72.9	-37.4	-67.3	99.6	-78.0
QQQCIS01	-9.8	-3.4	-41.3	29.0	-25.5
QQQGEM01	-93.3	-29.6	-70.3	83.9	-109.3
RAKSIG	-169.3	-85.6	-118.5	204.7	-168.7
SETVIX	-28.1	-7.9	-83.9	43.5	-76.4
SILGOK	-33.6	-15.5	-127.0	74.6	-101.5
SSOXAM02	-94.4	-56.0	-115.1	153.1	-112.4
SUCCIN09	-75.3	-28.5	-67.0	85.3	-85.5
TBRETH10	-20.1	-6.6	-88.9	57.2	-58.4
TCLBEN03	-33.2	-14.9	-148.8	92.3	-104.6
TCLHQU11	-79.5	-38.6	-159.2	128.8	-148.5
TELOPO	-57.0	-17.2	-72.2	56.3	-90.1
TFACAM	-65.6	-21.6	-35.2	49.4	-73.0
AMPHOL01	-122.1	-61.8	-91.8	151.4	-124.3
AMPHOM02	-107.0	-58.3	-91.4	142.1	-114.6
BECJEY	-40.3	-12.3	-90.4	57.3	-85.7
BEOXAZ	-23.6	-8.2	-75.2	46.7	-60.3
BESKAL	-117.8	-55.8	-96.4	146.7	-123.3
BIDLOP02	-120.4	-60.1	-89.8	155.0	-115.3
BIPJUF	-103.3	-45.0	-93.6	125.7	-116.2
BRBZAC01	-88.9	-44.5	-104.4	132.8	-105.0
BRBZAP01	-97.1	-46.6	-102.3	143.9	-102.1
BZOXZO	-59.8	-24.3	-77.7	71.8	-90.0
THBARB01	-99.4	-41.6	-94.0	127.5	-107.5
THIOUR16	-104.8	-55.1	-71.1	108.1	-122.9
THYMIN01	-111.4	-40.4	-80.1	117.1	-114.8
TSCRZ22	-134.6	-72.3	-91.3	144.1	-154.1
UCAYED01	-44.7	-23.7	-57.4	55.6	-70.2
UGUMUE	-102.0	-42.6	-75.8	103.9	-116.5
ULEBOD	-37.1	-11.7	-100.5	70.1	-79.2
URACIL	-113.5	-39.8	-76.8	116.0	-114.1
VOQYUW	-39.9	-13.2	-103.5	80.1	-76.5
WEMDAT	-37.3	-17.0	-108.1	66.7	-95.7
WEMDEX	-33.4	-14.3	-100.3	56.6	-91.4
WEMDIB	-41.1	-18.0	-110.8	68.6	-101.3
WUDVAS	-71.3	-24.9	-79.3	79.3	-96.2
XAGWIM02	-111.3	-50.8	-86.7	149.3	-99.5
YAQLAE	-92.1	-32.2	-65.2	80.3	-109.2
YAQLEI	-88.4	-32.3	-85.7	87.6	-118.8
YAZQUM	-35.7	-10.1	-94.7	64.1	-76.4
YOVCAO	-52.7	-18.3	-112.1	79.3	-103.8
ZILNOX	-32.0	-10.0	-74.2	39.0	-77.2
ZUDTID	-86.7	-34.8	-103.9	111.0	-114.4
ZZZKDQ01	-82.0	-29.1	-67.8	89.5	-89.4
ZZZKJQ01	-81.6	-28.2	-78.0	89.9	-97.9
ZZZVYE01	-11.0	-4.7	-65.3	43.8	-37.2

ZZZWEO02	-8.6	-3.5	-51.5	33.3	-30.3
CAJWEQ01	-36.1	-18.6	-106.8	76.7	-84.8
CBUTAC	-151.7	-67.7	-73.7	180.8	-112.3
CLANIC06	-45.5	-16.3	-112.7	73.1	-101.4
COVJIG01	-93.5	-46.5	-80.9	128.7	-92.2
EHOWIH	-87.6	-31.6	-92.3	100.1	-111.4
FACRIK05	-107.2	-53.6	-78.9	149.1	-90.6
FBENZA02	-88.4	-41.2	-78.3	115.6	-92.3
FECCOF01	-117.1	-53.6	-107.8	159.4	-119.1
FURDCA	-149.8	-75.5	-94.3	194.9	-124.7
GOCWEA	-42.2	-13.6	-96.3	71.0	-81.1
HXMTAM23	-31.9	-10.7	-85.3	42.4	-85.5
HYQUIN08	-135.3	-70.3	-80.1	178.3	-107.4
IJUMEG04	-117.7	-60.6	-112.3	179.9	-110.7
MAMPOL	-118.1	-56.9	-89.8	157.2	-107.6
METHYM04	-94.6	-35.1	-93.5	119.2	-104.0
NBZOA004	-102.1	-47.1	-101.6	139.5	-111.3
NICOAM06	-89.8	-36.1	-101.7	112.9	-114.7
PHGLOL01	-171.0	-87.5	-100.3	215.7	-143.1
PICAMD06	-65.4	-22.5	-86.1	76.8	-97.2
PNBZNT	-38.0	-9.9	-75.8	44.4	-79.3
POKKAB	-53.9	-22.6	-99.8	78.3	-98.0
RAJGUG	-41.3	-16.6	-82.7	61.6	-79.0
RESORA03	-125.9	-62.7	-81.5	167.4	-102.7
RICFEP01	-54.5	-20.7	-75.5	70.4	-80.3
TROPOL10	-43.9	-17.1	-73.9	63.8	-71.1
UCOVAL	-38.0	-13.6	-107.0	63.8	-94.8
XAYCIJ	-74.4	-27.7	-79.4	98.7	-82.8
XOGJAG	-14.6	-4.4	-57.5	25.5	-51.0
YELRIR	-105.9	-62.6	-78.8	150.7	-96.6
YIFZAP	-70.2	-20.6	-101.8	63.6	-129.0
ZZZDRQ01	-43.7	-12.0	-92.1	65.5	-82.3
ZZZEEU04	-129.5	-59.4	-101.0	166.9	-123.0
ZZZIVG02	-27.4	-10.0	-73.7	45.9	-65.2
ZZZKAO01	-27.7	-10.2	-77.0	51.8	-63.1
ZZZVCO04	-64.9	-19.5	-65.8	69.8	-80.4
AMACPH01	-70.6	-26.4	-89.1	86.9	-99.2
AMEBAC	-84.1	-42.0	-101.1	127.0	-100.2
BISJAO02	-35.7	-10.5	-78.6	45.8	-79.0
BOXAZD	-66.5	-22.6	-89.6	81.5	-97.2
BZCBUO	-35.7	-10.3	-74.9	48.7	-72.2
CPXACA01	-111.0	-51.6	-132.3	162.5	-132.4
DIMEDO02	-105.6	-50.8	-83.1	146.4	-93.1
DMADEN11	-71.7	-29.5	-124.5	107.0	-118.7
DTENYL02	-35.2	-16.9	-115.6	89.2	-78.5
HACTPH16	-72.9	-33.5	-88.7	104.4	-90.7
HEYJOK01	-19.8	-7.9	-82.0	36.5	-73.2
HQOXAL01	-77.8	-29.2	-96.8	101.0	-102.8
JONPUZ	-97.5	-47.9	-104.7	145.1	-105.0
LIMLOI	-45.8	-14.3	-90.6	59.5	-91.2
MBNZAM10	-55.6	-23.3	-85.5	70.9	-93.5
MODYAG01	-87.1	-30.8	-104.8	106.7	-116.0
MOXBEN01	-37.7	-14.1	-95.4	68.9	-78.3
MPYRAZ02	-33.3	-14.3	-100.9	69.1	-79.4
OBIZEE	-40.6	-9.8	-74.6	45.8	-79.2
OCRSOLO2	-56.8	-26.2	-98.4	102.4	-79.0
OTOLIC02	-83.3	-39.6	-85.5	114.2	-94.2
OVANIL01	-42.3	-16.8	-98.9	74.2	-83.8
PHALIM04	-65.6	-25.4	-92.5	93.1	-90.4
PHTHAC06	-149.0	-68.3	-111.6	189.5	-139.4
PHUREA02	-101.0	-40.5	-102.2	110.7	-133.0
PYRCYN06	-55.1	-14.7	-92.4	60.4	-101.8
QQQAPG02	-14.4	-6.3	-79.3	54.8	-45.2
CHLQUI10	-31.6	-14.7	-126.0	76.5	-95.8
CLQUIN	-25.6	-12.5	-110.9	59.5	-89.5
EYIRIN	-48.1	-19.2	-115.9	76.2	-107.0
FABPON11	-56.2	-29.1	-139.2	126.8	-97.7
FAMDIG	-55.9	-26.7	-122.8	100.2	-105.2
FESNOG02	-173.9	-78.3	-118.5	203.8	-166.9
HEGFAB	-105.4	-56.1	-116.8	149.8	-128.5

HXQUIN11	-59.4	-31.2	-117.0	115.4	-92.2
INDDON	-40.3	-11.1	-79.3	54.1	-76.6
JIBDON	-27.3	-8.4	-83.9	47.6	-72.0
KEYNOR	-29.4	-12.1	-100.3	57.3	-84.5
MXCINN02	-95.4	-45.8	-113.7	138.4	-116.5
NONMEI	-35.8	-18.5	-114.9	70.0	-99.2
NPHHQ10	-104.4	-54.2	-102.8	138.1	-123.3
ODOTOQ	-42.8	-17.6	-101.4	76.1	-85.7
PEXBZA	-102.0	-53.1	-105.5	148.7	-111.9
PICGAJ	-60.2	-22.8	-110.8	82.4	-111.4
PRYLTS	-44.3	-14.6	-115.0	60.7	-113.2
REZRIY	-57.3	-25.6	-91.8	76.4	-98.3
SECQEY	-58.3	-27.0	-113.4	88.3	-110.4
SUZXOB	-37.9	-13.1	-106.1	66.8	-90.3
TMOXBZ10	-36.5	-12.8	-103.0	65.1	-87.2
UPAJIF	-39.4	-12.8	-101.0	53.2	-100.0
VAKJUM	-42.6	-19.8	-119.8	78.7	-103.5
VIDMAX	-113.1	-46.2	-97.9	129.9	-127.3
WIZJUL	-85.2	-39.7	-95.4	127.0	-93.3
XAXSIY	-53.7	-26.2	-97.9	90.7	-87.1
ZZZF1M01	-90.1	-42.5	-103.7	124.0	-112.3
ZZZNCU01	-80.7	-37.1	-96.3	109.9	-104.2
ZZZNRU02	-96.9	-44.9	-99.8	130.8	-110.8
BIMVEZ	-38.0	-15.8	-127.1	76.8	-104.1
BOPSAA10	-58.4	-26.2	-120.1	86.6	-118.1
CONYAH	-32.0	-14.0	-120.7	78.3	-88.4
CRBZOL03	-34.9	-17.8	-125.4	67.0	-111.1
DBZFUR02	-22.0	-12.4	-113.7	66.8	-81.3
DCBZDX20	-30.8	-12.4	-155.3	81.1	-117.4
DCLANT10	-23.0	-10.8	-172.8	79.2	-127.4
DCLBPH	-36.8	-18.3	-235.0	127.8	-162.3
DOHDPH02	-100.6	-46.1	-135.3	129.5	-152.5
DPSULO	-39.3	-15.9	-119.0	62.6	-111.6
FUHDAN01	-45.1	-18.3	-192.8	109.0	-147.2
HIBXOF	-74.9	-34.6	-123.9	112.1	-121.3
NAPACA12	-89.3	-41.5	-109.1	125.1	-114.8
NUTSUQ	-90.1	-44.8	-105.3	118.9	-121.3
OLOHIG	-36.6	-16.5	-146.0	87.0	-112.1
PARPEE	-36.9	-14.4	-113.4	69.1	-95.6
PEYGEF01	-96.1	-44.5	-122.4	138.3	-124.7
PHESA01	-41.8	-23.8	-125.7	89.2	-102.1
PILFOG	-30.0	-16.1	-119.5	80.4	-85.2
PUGPIQ	-29.2	-11.3	-113.2	62.1	-91.6
QQQFDS02	-25.8	-14.5	-162.9	92.7	-110.5
RAFFIO01	-23.6	-10.1	-105.3	52.5	-86.5
SAZQIT	-26.3	-11.6	-123.2	64.0	-97.1
SESHED	-25.5	-9.5	-126.9	63.2	-98.7
TAZPEN01	-33.3	-13.2	-130.1	76.3	-100.3
TCBZFU	-35.7	-13.4	-170.3	89.8	-129.6
TEKQIJ	-25.5	-13.6	-164.6	79.4	-124.3
TOXANT	-30.5	-14.0	-125.0	76.3	-93.2
ETDIAM12	-63.9	-24.5	-70.6	71.1	-87.9
KUBMAX01	-30.1	-12.6	-128.7	80.6	-90.8
SALMID02	-80.7	-29.0	-84.7	89.0	-105.4
EJAYET	-86.9	-34.1	-103.8	145.4	-79.4
IODOFO	-84.6	-27.3	-112.7	158.7	-65.9
IURACL14	-148.0	-53.0	-104.0	202.0	-103.0
RALTOO	-83.2	-33.1	-106.3	152.3	-70.3
WURTOS	-72.7	-21.7	-101.7	136.5	-59.6
ZZZFHE01	-73.4	-23.4	-101.7	139.6	-58.9
ZZZPRO08	-71.9	-25.2	-123.7	156.8	-64.0
ACEQUV	-87.8	-45.7	-90.5	139.0	-85.0
ACMEBZ	-99.4	-46.1	-92.0	135.4	-102.1
ACRLAC02	-81.9	-37.9	-50.5	105.2	-65.1
ACSALA01	-98.6	-44.0	-92.6	124.0	-111.2
ADEYEO	-111.5	-49.9	-101.5	154.4	-108.5
BASBAZ	-55.4	-19.8	-91.3	80.2	-86.3
BASBON	-109.2	-60.5	-66.0	164.1	-71.6
BENMOW07	-60.8	-25.7	-124.5	105.1	-105.9
BETCEI	-121.9	-70.1	-125.9	229.0	-88.9

BOLYUW	-108.4	-57.5	-119.0	186.0	-98.9
BUBNAN	-121.5	-65.5	-86.9	183.9	-90.0
CADMUP	-77.4	-33.4	-94.0	98.9	-105.9
CUVQAL	-125.0	-76.1	-111.0	192.0	-120.1
CUVQIT	-130.9	-72.5	-116.7	202.0	-118.1
DMDHBA	-106.6	-63.6	-97.2	193.9	-73.5
EBENUV	-69.7	-28.7	-66.1	86.4	-78.1
ENMTHA	-79.7	-42.5	-96.1	124.1	-94.2
FAFDEW	0.0	0.0	0.0	0.0	0.0
GADHAU	-60.8	-23.6	-80.2	84.7	-79.9
GANKIP	-86.7	-40.4	-95.3	120.6	-101.8
GOMGEU	-107.5	-65.1	-110.2	179.9	-102.9
HESXOS	-83.6	-37.5	-82.1	111.1	-92.1
HOPJUR	-84.8	-41.9	-91.8	135.2	-83.3
INDPRA01	-106.6	-59.3	-126.4	159.1	-133.2
KAFBID	-112.9	-94.6	-127.1	244.5	-90.1
LANXON	-116.1	-62.2	-100.4	181.5	-97.2
LEHBAC	-98.1	-44.3	-96.9	136.3	-103.0
LEJMAP	-108.4	-57.4	-98.3	174.6	-89.5
LEZHUT	-129.6	-80.1	-84.5	238.9	-55.3
LUNQUG	-93.9	-43.2	-136.9	152.4	-121.6
MNBZAC04	-97.1	-45.3	-83.2	122.4	-103.2
MORPEO	-79.1	-36.4	-96.3	122.4	-89.4
MTHPHE01	-93.2	-46.6	-81.0	131.2	-89.6
NAGWAT	-48.5	-27.3	-50.1	76.1	-49.8
NAHFIL	-101.0	-53.4	-97.1	159.4	-92.1
OIBZAC01	-76.5	-55.3	-112.3	144.9	-99.2
RIBVIH	-85.8	-43.2	-97.8	119.4	-107.4
SEJGAR	-72.4	-34.8	-105.3	114.6	-97.9
TEDQAU	-98.5	-49.8	-98.2	149.6	-96.9
TEFNUN	-63.8	-27.2	-82.8	83.5	-90.3
TFACET	-51.8	-26.1	-36.4	63.6	-50.7
TULSEY	-83.3	-39.9	-96.4	124.3	-95.3
TUSQON	-78.9	-37.6	-108.3	116.8	-108.0
VECVEF	-102.9	-57.8	-70.4	177.0	-54.1
VIDSIK	-102.5	-58.6	-102.1	189.5	-73.7
VOFBUN	-43.9	-17.9	-113.9	76.2	-99.5
WEJHUO	-102.9	-53.5	-79.7	159.5	-76.6
XATQUE02	-109.3	-55.6	-101.8	168.4	-98.3
YAZBUX	-111.4	-57.6	-93.6	165.5	-97.1
ZOFSAO	-79.8	-39.1	-82.6	115.1	-86.4
ZZZMLY01	-92.5	-46.2	-77.7	133.3	-83.1
CMALAM10	-114.4	-39.3	-84.1	112.5	-125.3
EREQAT	-56.9	-19.8	-114.5	104.1	-87.1
GANLAI	-26.7	-12.7	-126.5	67.0	-98.9
HOFHEQ	-55.7	-24.2	-99.0	87.2	-91.7
IMIPOJ	-77.3	-31.6	-112.5	110.8	-110.6
METXOZ	-36.8	-11.3	-90.6	55.0	-83.7
POBDEP	-60.8	-29.0	-139.9	119.0	-110.7
PORWOI	-60.7	-27.2	-113.1	82.6	-118.4
SEMHOI	-41.3	-18.4	-130.1	98.5	-91.3
SEZMEP	-29.8	-19.4	-133.7	98.6	-84.3
SISNOX	-33.3	-15.1	-156.0	110.2	-94.2
TSTCDO	-46.0	-17.4	-113.3	87.8	-88.9
ANISIC02	-95.9	-45.1	-94.7	130.6	-105.1
BENZAC01	-91.7	-42.8	-70.5	111.9	-93.1
BENZDC01	-160.7	-82.6	-95.3	210.2	-128.4
BIJFOP10	-88.0	-42.8	-86.2	118.2	-98.8
CINMAC	-97.3	-46.5	-89.5	122.4	-110.9
CLBZAC	-86.0	-40.3	-89.0	117.7	-97.6
CLBZAP02	-93.6	-48.4	-89.4	131.5	-99.9
CROTAC	-83.5	-38.1	-52.6	95.6	-78.6
DMBNZA10	-84.3	-37.9	-88.2	110.7	-99.7
DMOXBA01	-94.7	-44.0	-97.9	113.8	-122.8
DMXBZA01	-100.4	-47.8	-110.2	153.2	-105.2
FORMAC01	-84.1	-40.0	-34.1	104.7	-53.5
FUFBOX01	-95.6	-47.9	-91.0	130.3	-104.2
FUMAAC01	-148.8	-63.2	-68.9	160.4	-120.5
HEKMOZ	-94.6	-44.4	-105.6	136.5	-108.1
ISUQUI	-105.2	-50.2	-118.2	166.9	-106.7

ISURAP	-55.7	-18.0	-108.9	87.0	-95.6
MALIAC11	-105.1	-42.7	-63.9	110.2	-101.5
MALNAC06	-137.3	-60.2	-58.7	153.9	-102.3
NAPHAC02	-98.0	-48.2	-105.6	131.6	-120.2
NAPOAC01	-74.9	-38.9	-111.7	122.7	-102.8
NICOAC02	-110.4	-62.6	-82.4	155.3	-100.1
OVERAT01	-104.5	-48.1	-98.0	131.8	-118.8
PFBZAC	-76.1	-34.6	-66.3	95.7	-81.3
PFBZAD10	-91.1	-42.5	-69.2	118.5	-84.3
PTOLIC	-89.6	-42.9	-78.3	114.0	-96.8
RUVQAA	-85.1	-41.2	-94.2	123.1	-97.4
TMBZAC01	-85.6	-38.5	-88.8	113.5	-99.4
TMEBZA	-96.6	-46.7	-99.5	137.7	-105.1
CRESOL01	-53.8	-23.0	-80.9	85.9	-71.8
DIMPHE12	-58.2	-27.5	-95.2	94.6	-86.3
DMEPOL10	-51.9	-24.1	-90.4	85.1	-81.3
DMPHOL11	-47.2	-22.9	-98.3	89.9	-78.5
IPMEPL	-64.6	-35.7	-84.9	103.1	-82.1
NAPHOL	-52.5	-28.6	-102.9	87.1	-96.9
PICRAC	-43.3	-14.8	-87.4	56.3	-89.2
ACANIL03	-55.2	-21.5	-85.2	68.5	-93.4
AMIPYR	-49.3	-20.1	-70.9	67.9	-72.4
AMPYRE	-59.8	-24.5	-73.4	72.6	-85.1
BAPLOT01	-94.0	-45.5	-103.3	123.2	-119.6
BZAMID01	-74.6	-26.5	-80.4	83.9	-97.6
BZDMAZ01	-76.6	-35.0	-78.5	101.6	-88.5
CAPLAC	-59.2	-20.3	-67.7	69.4	-77.8
CYANAC	-89.6	-32.3	-57.9	70.3	-109.4
DIXTAF	-72.2	-25.4	-66.7	78.7	-85.6
FORMAM02	-80.1	-26.2	-36.5	73.1	-69.7
GLUTIM	-57.9	-18.1	-67.0	60.9	-82.1
IBURAM	-74.5	-25.9	-50.3	70.7	-80.0
IMAZOL13	-83.3	-39.0	-51.3	91.5	-82.1
JEXNAB	-110.5	-38.3	-84.9	110.9	-122.8
MALOAM	-140.1	-47.2	-68.7	119.6	-136.3
MEADEN01	-99.0	-36.9	-105.2	119.5	-121.6
MELAMI04	-151.3	-58.9	-100.4	167.6	-143.0
MEUREA	-91.8	-30.5	-51.2	77.4	-96.1
MNIANL02	-50.5	-20.4	-89.7	72.8	-87.8
NANILI02	-64.2	-20.5	-90.8	79.7	-95.8
TRAZOL03	-94.3	-44.3	-56.3	109.3	-85.6
UREAXX09	-98.9	-32.7	-44.3	74.9	-101.0
VAYJIO	-75.4	-30.9	-127.8	110.9	-123.2
WIFKEB	-78.2	-26.4	-72.0	85.5	-91.1
ZZZKAY01	-77.0	-27.6	-50.8	81.1	-74.3
ACRDIN01	-23.2	-14.4	-124.5	66.3	-95.8
AZBENC01	-26.3	-12.5	-103.4	52.4	-89.8
AZOBEN12	-29.1	-13.9	-132.6	83.5	-92.1
BIPYRL04	-31.5	-14.5	-114.8	74.0	-86.8
BISJIW	-41.1	-10.2	-45.2	31.1	-65.4
CYAPYR	-39.2	-11.1	-68.3	45.3	-73.3
CYNGEN	-21.0	-5.3	-25.8	19.7	-32.4
MALONT	-43.3	-11.2	-38.7	31.1	-62.1
MESITN	-29.1	-9.2	-84.6	51.8	-71.1
NMCABZ	-29.4	-13.8	-116.2	65.1	-94.2
PHENAT02	-34.5	-15.2	-135.4	82.3	-102.8
PYRAZI01	-35.0	-10.7	-61.8	47.2	-60.3
TCYETY03	-50.1	-15.5	-59.2	46.8	-78.0
TCYMET	-66.6	-21.8	-58.2	69.8	-76.8
TCYQME	-66.5	-19.6	-111.3	79.2	-118.2
TETDAM06	-29.3	-11.7	-92.0	64.7	-68.3
TRIZIN01	-24.3	-6.8	-53.7	31.4	-53.4
ZBCNON01	-19.8	-14.2	-100.3	80.3	-54.0
CPTCET10	-35.0	-15.3	-155.2	86.8	-118.7
CTMTNA	-69.2	-20.2	-97.1	76.8	-109.7
DCLBIP	-23.2	-11.3	-111.5	57.6	-88.4
DCLBIQ10	-26.2	-11.8	-124.8	65.6	-97.2
DECFDP01	-22.3	-7.3	-72.4	25.6	-76.4
DNBENZ15	-30.9	-9.9	-76.2	42.7	-74.3
DNITBZ11	-38.0	-10.6	-80.0	45.3	-83.3

HCLBNZ11	-23.0	-12.5	-137.7	90.6	-82.6
HCLBPH	-24.3	-11.7	-140.7	84.5	-92.2
HEXCET02	-16.5	-6.6	-91.8	53.6	-61.3
METNAM04	-33.7	-9.3	-55.2	31.7	-66.5
MTNANL	-59.1	-19.3	-105.9	72.6	-111.7
NITOLU	-24.0	-7.7	-72.2	37.1	-66.8
OFNAPH01	-10.6	-4.7	-74.0	32.6	-56.7
TATNBZ	-84.2	-28.5	-136.6	104.3	-145.0
TCHLBZ	-19.4	-8.2	-97.0	56.1	-68.5
TNIOAN	-45.8	-16.3	-96.7	65.7	-93.1
TNOXYL	-46.7	-10.7	-104.2	66.6	-95.0
ZZZAOS02	-21.6	-8.1	-99.1	45.3	-83.5
ZZZFYW01	-35.0	-8.8	-75.3	38.9	-80.2
ZZZMUC01	-49.0	-11.5	-93.6	63.0	-91.1
APYFEB01	-107.4	-35.8	-82.6	119.2	-106.6
DETBAA11	-84.9	-35.2	-82.8	97.9	-105.0
FPAMCA	-85.6	-46.5	-125.2	136.5	-120.8
KAXXAI	-90.2	-50.4	-160.1	174.2	-126.5
PARBAC11	-102.7	-34.7	-54.6	98.9	-93.1
QQQBTY01	-82.1	-39.3	-122.4	125.8	-118.1
SIKLIH07	-90.3	-46.8	-144.7	150.0	-131.8
XYANAC	-87.7	-41.5	-136.9	140.8	-125.3
ANTQUO08	-31.7	-12.4	-121.4	68.7	-96.8
BAWNIW	-43.6	-14.8	-120.3	81.6	-97.1
BDTOLE10	-43.5	-22.1	-129.5	112.6	-82.5
BENZIL02	-32.1	-12.5	-107.9	53.8	-98.7
BINDPY	-32.8	-14.1	-142.8	78.9	-110.8
BNZQUI03	-39.9	-10.8	-58.2	48.1	-60.8
BZDIOX01	-23.7	-11.3	-105.2	64.7	-75.5
COUMAR10	-27.2	-10.8	-86.3	46.2	-78.1
CUKCIU	-27.5	-8.0	-54.9	36.0	-54.4
CYHEXO01	-40.2	-11.3	-66.3	46.1	-71.7
DBEZPO01	-33.0	-12.3	-112.3	53.2	-104.4
DBZTHP	-26.9	-13.8	-126.3	76.9	-90.1
DCBDOX10	-31.0	-15.0	-131.5	87.9	-89.6
DCLBQN	-36.0	-11.7	-73.9	52.8	-68.8
DIMNAN01	-43.2	-14.7	-118.0	84.8	-91.1
DITHAN01	-31.7	-12.7	-87.1	62.0	-69.5
DMEBQU01	-31.4	-10.3	-76.8	47.8	-70.7
DMEOXA01	-38.6	-8.8	-60.2	38.3	-69.3
DMKETD02	-19.9	-5.8	-62.8	27.5	-61.0
DMSULO	-48.3	-14.1	-66.8	38.0	-91.2
DMTPAL	-30.1	-9.7	-107.4	56.9	-90.3
DTOLTO	-42.8	-21.7	-93.3	89.5	-68.3
FELSEU	-33.2	-14.1	-149.1	97.3	-99.1
HIHHAH	-36.3	-12.3	-84.9	52.6	-80.9
MLEICA	-39.8	-10.2	-42.0	25.6	-66.4
MNTDMA01	-36.8	-11.8	-104.5	69.7	-83.4
MPSUFO01	-43.3	-15.9	-99.6	48.6	-110.2
NAPHQU	-36.9	-11.9	-95.6	54.8	-89.6
NBORAN10	-42.1	-12.0	-74.0	45.0	-83.1
OCDBDO10	-40.0	-22.4	-205.9	149.7	-118.6
PHBENZ	-26.2	-10.6	-111.7	55.1	-93.4
PHENSS01	-30.7	-14.8	-132.6	78.1	-100.0
PHTHAO	-34.6	-9.1	-75.6	44.6	-74.7
PTOxec	-42.5	-15.3	-86.3	56.2	-87.9
PYMDAN	-60.7	-18.2	-82.6	67.0	-94.5
SUCANH	-49.1	-13.3	-52.0	34.8	-79.6
THIANT03	-31.4	-16.2	-131.8	83.1	-96.3
TNPHNT	-48.7	-14.6	-98.4	66.3	-95.4
TOXOCN	-37.0	-15.7	-67.9	37.1	-83.5
TRITAN10	-60.9	-29.2	-109.8	116.4	-83.5
TROXAN	-31.5	-8.1	-58.6	45.5	-52.7
ZZZIYE01	-44.2	-16.0	-117.7	73.3	-104.5
ACENAP03	-24.9	-10.2	-109.7	60.0	-84.8
ANTCEN14	-25.8	-11.9	-134.5	67.9	-104.3
BENZEN07	-17.2	-7.0	-65.8	40.1	-49.9
BIPHEN04	-21.6	-9.3	-103.5	50.8	-83.6
BULVAL02	-27.4	-12.3	-104.2	71.3	-72.6
CEKREP	-24.6	-11.2	-128.3	76.2	-87.9

CORONE02	-27.2	-16.8	-210.6	99.3	-155.3
CRYSEN01	-31.4	-16.0	-167.5	84.6	-130.3
CUBANE	-10.5	-3.7	-70.0	42.1	-42.1
CYCHEX05	-14.7	-7.1	-79.5	58.6	-42.7
DBNTHR02	-39.5	-18.1	-190.2	94.1	-153.7
DITBOX	-21.5	-11.3	-116.0	63.4	-85.4
DMANTR	-29.0	-14.0	-146.4	78.1	-111.3
DMNAPH05	-22.2	-9.9	-109.1	58.7	-82.5
DMNPTL01	-19.5	-11.0	-113.7	59.6	-84.6
DPANTR	-28.4	-15.1	-178.7	87.7	-134.5
DPHACT07	-22.4	-9.6	-115.9	56.8	-91.1
DURENE05	-17.3	-6.0	-88.9	44.9	-67.3
FEWWEJ	-22.6	-11.7	-132.2	66.7	-99.8
FLUANT	-24.4	-12.9	-131.5	64.6	-104.2
FLUREN01	-20.8	-10.3	-104.4	55.4	-80.1
HEPTAN02	-12.3	-5.3	-86.5	51.0	-53.1
HEXANE01	-10.6	-4.7	-76.6	44.5	-47.4
MANTHR03	-18.6	-10.4	-137.4	65.5	-100.9
NAPHTA10	-19.4	-8.8	-99.1	52.3	-75.0
OCTANE01	-10.9	-4.3	-91.0	46.8	-59.4
PERLEN04	0.0	0.0	0.0	0.0	0.0
PHENAN08	-22.1	-10.8	-124.0	60.4	-96.5
PYRENE02	-22.3	-14.7	-139.1	68.2	-107.9
TRIPHE11	-27.8	-14.6	-158.4	85.3	-115.5
TSTILB05	-23.1	-9.3	-121.4	55.5	-98.3
ZZZITY01	-17.0	-7.6	-86.6	54.2	-57.0
ZZZMKS01	-23.7	-9.7	-112.4	57.9	-87.9
BCACEN	-27.2	-7.0	-45.7	40.0	-39.9
BRBNIT01	-30.3	-9.0	-89.7	54.0	-75.0
CAMSUF	-115.2	-37.5	-142.8	204.4	-91.1
CCACEN	-22.1	-6.2	-45.6	36.6	-37.3
DBIBZN	-80.1	-25.8	-125.0	160.1	-70.8
HOFGEO	-79.7	-27.6	-99.0	138.6	-67.7
ICACEN	-58.8	-21.1	-62.7	98.9	-43.7
IETPYA10	-101.1	-34.3	-114.3	175.9	-73.8
IOBNIT01	-74.2	-25.3	-108.6	141.4	-66.7
SAWZIA	-74.1	-22.5	-79.1	102.0	-73.7
SIDFIU	-157.0	-54.0	-195.0	287.9	-118.1
ULOKUB	-76.8	-26.8	-74.4	123.7	-54.4
XUGLEQ	-79.5	-27.6	-138.2	175.1	-70.2
BEYDOY	-57.8	-16.8	-97.5	82.5	-89.6
BUBLOZ	-36.5	-11.2	-97.6	68.7	-76.6
CIWMEA10	-48.7	-12.7	-85.0	69.8	-76.6
CUGCOW	-58.6	-22.2	-114.8	89.2	-106.4
CUKCAM04	-102.5	-48.1	-102.9	151.1	-102.4
CUVDUS	-57.5	-14.5	-102.2	66.4	-107.8
CUVYAT	-61.4	-18.5	-109.9	76.5	-113.3
CUZDEG	-31.1	-13.0	-88.4	58.2	-74.3
DAVXED	-58.4	-16.1	-105.9	67.9	-112.5
DNPOL	-37.4	-10.9	-86.8	56.9	-78.2
ECUXUW	-61.6	-15.0	-86.1	77.5	-85.2
EKELAH	-74.3	-20.2	-88.1	63.9	-118.7
EVOSAJ	-44.7	-13.6	-83.6	63.4	-78.5
HEPFUD	-100.7	-36.9	-102.2	105.6	-134.2
HESVUW	-43.1	-13.6	-116.8	72.0	-101.5
HEVRUV	-36.4	-29.4	-51.4	43.3	-73.9
JESJEX	-56.1	-18.4	-134.9	100.3	-109.1
JOWWIB	-120.3	-37.2	-83.8	100.9	-140.4
KOBXOO	0.0	0.0	0.0	0.0	0.0
LELXAB	-33.1	-8.9	-109.3	70.5	-80.8
MOQCAW	-53.7	-17.6	-92.8	62.4	-101.7
MOQCEA	-59.1	-16.2	-112.4	78.0	-109.7
NACXEU	-109.5	-34.7	-119.6	121.7	-142.1
NAYNUX	-95.2	-26.5	-125.2	100.5	-146.4
NBZOAC02	-96.8	-51.7	-95.5	139.7	-104.3
NITBAL02	-79.1	-40.2	-104.8	118.1	-106.0
NMALAM	-87.0	-26.7	-83.0	86.7	-110.0
NOGUNA01	-73.6	-22.4	-80.2	87.4	-88.8
NOYGIR	-52.2	-19.4	-163.7	108.0	-127.3
NTRGUA03	-104.4	-33.6	-74.3	89.9	-122.4

OLOBIA	-84.3	-27.8	-78.8	83.7	-107.2
ONITPH	-25.6	-7.8	-74.3	42.3	-65.4
QOYJOD	-114.2	-50.3	-76.2	129.7	-111.0
QQQFNG03	-61.4	-20.8	-97.3	81.8	-97.7
SEDITUQ09	-112.4	-38.4	-95.0	109.1	-136.7
SOBFOE	-149.1	-50.8	-140.8	158.0	-182.7
TEMWUD	-35.8	-12.9	-85.4	67.9	-66.2
TEVHEH	-89.1	-41.7	-75.4	93.3	-112.9
TOFNAD	-40.0	-15.6	-120.8	74.3	-102.1
UFUXOI	-72.1	-27.3	-92.8	96.9	-95.3
VEGHEU	-66.7	-18.3	-91.3	81.9	-94.4
VUBZUN	-55.7	-15.4	-76.3	64.1	-83.3
WAKSUX	-58.3	-16.1	-73.2	59.4	-88.2
XIXQOL	-82.5	-31.9	-84.0	125.7	-72.7
YEGFIZ	-43.4	-17.6	-137.6	91.5	-107.1
YEGFOF	-70.5	-24.4	-150.1	123.3	-121.7
YEKQAG	-101.9	-33.6	-113.4	121.0	-127.9
ZZZQSC02	-39.6	-11.5	-94.2	62.6	-82.7
ACBNZA	-86.3	-29.2	-98.0	96.7	-116.9
ACETAC08	-78.6	-37.7	-40.3	94.7	-61.9
ADIPAC08	-154.6	-77.7	-86.2	191.1	-127.4
AFLATM	-51.5	-21.9	-143.1	92.1	-124.5
AMNTPY02	-59.1	-24.2	-89.5	89.3	-83.6
AZELAC10	-157.9	-69.9	-109.0	187.1	-149.7
AZSTBA	-29.5	-14.2	-122.1	64.5	-101.3
BAHNUU	-46.1	-28.5	-178.2	148.9	-103.9
BANGOM	-30.6	-10.2	-117.6	61.6	-96.9
BANHOO03	-47.2	-19.0	-143.4	79.6	-130.0
BAZYAC	-58.0	-32.4	-106.7	90.6	-106.6
BCOCAN	-43.2	-19.6	-125.9	75.5	-113.2
BEBMAX	-37.5	-19.8	-166.5	91.1	-132.8
BENCLN05	-38.3	-11.0	-88.5	54.9	-82.9
BEYZIO	0.0	0.0	0.0	0.0	0.0
BIBKUS	-39.2	-22.1	-151.6	127.3	-85.6
BIXGIY	-106.9	-61.1	-138.3	170.9	-135.4
BIYSEH02	-50.3	-21.6	-183.1	102.0	-153.0
BPHEN011	-25.7	-10.2	-105.4	52.6	-88.7
BZYACO	-31.5	-13.4	-131.0	68.0	-107.9
CABTUV	-29.6	-14.1	-153.2	90.8	-106.1
CAWDUZ	-40.9	-16.8	-118.5	67.8	-108.5
CAZFUE10	-41.8	-10.2	-85.1	49.0	-88.1
CBFBZF	-35.3	-15.4	-114.2	68.9	-96.1
CIMETD	-138.2	-60.1	-144.0	150.5	-191.7
CIVTUW	-70.0	-21.2	-139.3	97.0	-133.5
CLBZAM10	-80.4	-30.0	-79.1	84.4	-105.2
COYMOS	-78.5	-28.2	-110.1	91.5	-125.2
DCLBEN05	-18.8	-7.2	-85.5	45.4	-66.1
DEFDUN	-38.8	-11.6	-84.1	56.9	-77.6
DEKDIG	-44.2	-13.9	-130.7	70.3	-118.5
DETBIO10	-156.1	-61.6	-119.8	171.2	-166.4
DEWVOQ	-122.7	-59.9	-131.2	177.4	-136.4
DIFVET	-65.8	-36.6	-205.7	168.5	-139.6
DIUREA11	-184.6	-68.7	-80.5	166.4	-167.4
DMANTL10	-360.6	-181.8	-132.4	471.4	-203.4
DMBZAC	-80.6	-36.9	-94.6	117.8	-94.3
DMNPYO	-48.9	-12.8	-101.3	66.2	-96.8
DMURAC	-46.4	-14.4	-85.9	55.8	-90.9
DPIPDS	-27.2	-13.8	-125.7	74.5	-92.2
DTTDDO	-164.6	-77.8	-122.8	204.5	-160.7
ENVFUR	-55.8	-21.2	-102.8	86.9	-93.0
FEFSAK	-64.0	-28.3	-102.1	85.3	-109.1
FEVNAV02	-30.4	-12.6	-108.6	63.5	-88.0
FILHAJ	-77.0	-46.5	-110.5	103.1	-131.0
FOVYOE	-46.2	-17.2	-139.2	80.2	-122.4
GAXLEW	-48.4	-16.7	-153.8	103.5	-115.5
GICTIV	-68.3	-23.9	-122.7	94.3	-120.6
IHEMIR	-38.9	-12.2	-86.0	63.6	-73.5
INDBUA02	-111.0	-50.7	-130.2	155.6	-136.3
LAGWOH	-42.4	-27.3	-169.5	114.1	-125.0
LEZJAB	-85.7	-39.2	-89.6	104.9	-109.6

LIK BOW	-33.1	-14.6	-131.6	72.2	-107.1
MALEHY12	-136.1	-61.1	-76.9	165.7	-108.4
MATDEQ	0.0	0.0	0.0	0.0	0.0
MCBZAC	-83.7	-37.8	-88.8	113.8	-96.5
MPTRZS	0.0	0.0	0.0	0.0	0.0
MPYAZO11	-146.2	-58.9	-70.1	172.4	-102.7
NAQRIG	-77.4	-28.8	-138.6	99.0	-145.7
NIMFOE02	-126.0	-49.2	-90.4	139.1	-126.5
NIVPAJ	-67.6	-26.8	-106.8	88.8	-112.5
NMZNON	-51.0	-15.7	-91.6	54.3	-104.0
NOETNA	-43.6	-12.9	-104.5	72.1	-88.9
NUQXEC	-59.5	-23.5	-123.8	82.5	-124.3
NXENAM	-62.1	-16.7	-98.0	69.6	-107.2
OCHTET	-66.3	-16.8	-121.1	114.6	-89.7
OPOXAZ	-85.2	-46.3	-94.4	124.1	-101.9
PANQUO	-45.6	-21.6	-113.1	75.3	-105.0
PCHSAN	-59.1	-30.3	-191.6	143.1	-137.9
PDHTEZ	-55.5	-19.8	-146.3	98.9	-122.7
PERYTN01	-55.8	-15.2	-107.8	66.9	-111.9
PEWXAQ02	-48.6	-23.9	-193.4	127.8	-138.1
PHENAZ11	-28.8	-13.2	-110.3	61.9	-90.4
PIMELA06	-151.0	-71.5	-96.7	189.1	-130.2
PINPAD	-76.6	-25.6	-112.3	85.2	-129.3
POXHYN11	-42.1	-21.5	-165.4	101.1	-127.9
PTCDEC	-74.6	-36.8	-146.2	142.4	-115.2
PUPBAD	-99.7	-34.6	-84.1	118.8	-99.6
PYRZIN02	-75.3	-24.3	-81.0	84.4	-96.3
QOYNOH	0.0	0.0	0.0	0.0	0.0
QQQCIV05	0.0	0.0	0.0	0.0	0.0
SAFPIY	0.0	0.0	0.0	0.0	0.0
SIFLOI	0.0	0.0	0.0	0.0	0.0
SULAMD06	0.0	0.0	0.0	0.0	0.0
SUQFIT01	-40.8	-16.1	-135.0	80.0	-111.8
TALJIZ01	-101.1	-53.7	-109.6	157.2	-107.2
TBTYAC01	-90.4	-43.8	-93.9	132.5	-95.6
TEPHTH01	-189.7	-98.4	-112.1	246.9	-153.3
TEPNIT11	-46.7	-11.6	-80.5	47.4	-91.4
TETZOL02	-44.9	-25.2	-48.5	89.4	-29.2
THALID10	-86.4	-28.0	-111.2	97.3	-128.4
TMETTS21	-35.0	-18.7	-97.5	67.5	-83.7
TOBRUX01	-128.0	-64.2	-122.2	137.2	-177.2
TUBYIY03	-115.5	-60.7	-72.1	154.0	-94.3
VIFGIA01	-46.0	-13.2	-108.4	67.8	-99.8
VOBNAB01	-90.1	-37.4	-118.4	101.8	-144.1
XOCJEE01	-100.6	-35.1	-89.3	107.3	-117.7
YIDLEC01	-56.1	-19.0	-111.7	78.9	-107.9
YUYHIJ02	-62.8	-24.8	-76.4	83.1	-81.0
YUYPUD01	-40.9	-13.1	-81.8	50.6	-85.2
ZELDOJ01	-12.6	-4.1	-56.5	28.4	-44.7
ZILHOR02	-49.0	-19.4	-92.6	74.7	-86.4
AANH0X01	-97.2	-47.6	-94.1	139.9	-98.9
ABUM0Z	-19.5	-7.4	-84.4	47.5	-63.8
ACEMID06	-84.2	-28.1	-44.5	75.6	-81.1
ACEQAB	-38.7	-12.9	-92.2	62.8	-81.0
ACOWIY	-68.8	-22.4	-68.3	65.6	-94.0
AHEJEC	0.0	0.0	0.0	0.0	0.0
AHGULP10	-79.2	-29.1	-80.6	75.2	-113.7
AMBNAC01	-110.3	-52.1	-89.1	143.9	-107.6
AMETSL01	0.0	0.0	0.0	0.0	0.0
AMFURZ	-67.4	-22.9	-60.5	59.8	-91.0
ANISAC03	0.0	0.0	0.0	0.0	0.0
ATDZPY	-109.8	-45.5	-102.2	140.1	-117.5
AZASER11	0.0	0.0	0.0	0.0	0.0
BAHQIK	-74.9	-21.8	-85.9	56.9	-125.7
BARBAC02	-114.1	-41.3	-76.8	118.7	-113.5
BAWPIY	-30.4	-11.8	-104.3	64.2	-82.2
BAZGOY	-36.4	-16.3	-75.7	54.0	-74.3
BIRMIY	-55.3	-20.9	-92.3	69.8	-98.7
BIRYIK10	-124.2	-66.1	-70.4	162.4	-98.4
BIRYUW10	0.0	0.0	0.0	0.0	0.0

BIVLAT	-48.5	-20.3	-104.6	73.1	-100.3
BIXSOQ10	-66.3	-34.2	-145.1	135.6	-110.0
BOLYOQ	-100.8	-40.7	-105.7	104.7	-142.5
BONVAB	-31.9	-15.0	-94.3	64.5	-76.8
BULCUG	-74.8	-50.8	-93.5	99.5	-119.7
BZPTHP01	-38.8	-25.5	-138.9	112.4	-90.8
CACDAM	-118.3	-53.2	-92.4	140.8	-123.2
CAHDAQ	-85.9	-44.9	-89.8	131.1	-89.6
CARXOJ	-109.8	-51.8	-103.2	132.6	-132.1
CARZEB	-28.5	-13.7	-96.1	65.6	-72.7
CASHOT02	-82.2	-47.9	-111.1	123.4	-117.8
CAZGEQ	-60.8	-37.8	-135.4	110.7	-123.4
CEAHOK	-92.9	-44.1	-87.7	105.1	-119.7
CIHQIT	-68.9	-19.6	-81.5	53.3	-116.7
CIJVOG	-46.7	-23.6	-127.2	101.4	-96.0
CIMALI	-91.7	-31.2	-101.4	93.8	-130.5
CLACET01	-50.6	-24.3	-85.0	165.8	5.9
CLMPYR	-90.7	-40.1	-123.0	116.2	-137.5
CLPHOL13	-73.6	-33.5	-85.0	98.8	-93.2
CLPXAD01	-103.2	-50.0	-105.6	142.9	-115.9
CLPYMD	-42.0	-15.3	-81.2	62.3	-76.1
CNIXQX	-109.2	-42.7	-124.8	133.2	-143.5
COTMON	-103.9	-62.2	-133.8	132.1	-167.8
CPDTHO	-35.8	-20.0	-125.7	104.0	-77.6
DACGOE	-37.5	-15.4	-101.6	69.9	-84.6
DACYUC	-36.7	-13.2	-92.8	60.3	-82.3
DAFBIV01	-88.8	-32.7	-97.7	92.3	-126.8
DAFPUV	-68.3	-19.5	-70.8	71.3	-87.3
DAGRAF	-45.4	-15.8	-99.4	76.3	-84.3
DAHFOI	-70.8	-27.1	-120.8	82.9	-135.7
DAJVUG	-68.8	-22.9	-96.0	84.5	-103.2
DAJXIV	-40.5	-11.1	-71.5	41.7	-81.5
DALJAC	-25.0	-11.1	-32.0	27.4	-40.8
DALNUA	-28.9	-8.0	-62.7	43.2	-56.3
DARSIY	-78.9	-23.5	-108.1	71.3	-139.2
DCACON	-51.5	-17.4	-73.7	57.2	-85.4
DCLNAP01	-23.0	-14.9	-112.6	68.6	-81.9
DCPYZO	-111.7	-54.3	-97.4	159.1	-104.3
DEFFEZ	-50.5	-22.2	-123.8	97.3	-99.3
DEPKIS	-46.3	-19.9	-133.5	98.3	-101.4
DESYOP	-55.3	-18.3	-52.4	59.4	-66.7
DETYLE	-11.8	-5.3	-56.9	32.0	-41.9
DEWRIG	-55.2	-27.0	-151.9	142.6	-91.5
DIPGIS10	-85.5	-32.6	-95.8	96.9	-117.0
DLGYAH	-51.3	-12.8	-57.4	43.2	-78.4
DODWEY	-88.1	-50.2	-97.7	120.8	-115.2
DODWIC	-62.8	-23.4	-95.1	75.6	-105.8
DOPYAI	-75.1	-55.0	-153.1	139.1	-144.1
DOTNOP	-49.5	-19.6	-94.2	75.2	-88.2
DOTRUZ	-81.3	-34.9	-96.8	107.8	-105.2
DOXSOY	-42.8	-12.4	-69.4	51.0	-73.7
EBONAK	-30.0	-10.4	-88.2	59.4	-69.3
EDAVUA	-25.5	-11.7	-91.8	54.0	-75.1
EFAYAL	-62.1	-22.1	-87.9	67.9	-104.1
EKENUD	-55.5	-25.2	-100.6	95.9	-85.3
EKEPAL	-75.8	-38.4	-97.2	119.9	-91.5
ELOXOS	-85.2	-30.1	-78.3	98.7	-95.0
EMIKAM	-74.1	-27.7	-96.7	81.3	-117.2
ETANOL	-61.7	-28.4	-43.0	87.6	-45.5
ETASIB	-79.1	-30.1	-71.8	88.2	-92.8
EVIXEM	-110.0	-38.4	-87.0	108.0	-127.4
EWUFEH	-127.5	-59.3	-103.1	153.2	-136.6
FACMOL	-10.1	-4.0	-49.5	22.9	-40.6
FACYAJ	-38.2	-11.0	-94.2	60.7	-82.8
FAKRIS	-76.1	-37.9	-86.8	114.4	-86.3
FEFBIB	-17.8	-8.7	-77.4	36.8	-67.2
FEGHAA	-115.6	-48.2	-86.9	131.8	-118.9
FEHVIY	-127.1	-43.7	-90.2	125.8	-135.3
FELRUJ	-116.8	-48.0	-86.6	120.4	-130.9
FENCIK	-141.9	-61.0	-105.6	164.3	-144.1

FENHAH	-68.2	-22.7	-90.0	78.8	-102.1
FEPWAY	0.0	0.0	0.0	0.0	0.0
FESNEW01	-49.4	-15.5	-86.2	50.2	-100.9
FESNIA	-35.9	-9.9	-83.6	47.3	-82.1
FIHLOY	-20.8	-8.4	-71.3	49.0	-51.5
FIHLUE	-44.2	-14.7	-88.2	53.9	-93.3
FOBQOD	-81.5	-37.1	-87.0	113.8	-91.8
FOGFUD	-55.7	-21.9	-70.2	64.5	-83.3
FOSGID	-63.7	-23.9	-74.7	76.4	-85.8
FTHSEC11	-101.2	-63.2	-137.1	138.6	-162.9
FUGJUM	-80.4	-37.6	-69.2	105.5	-81.8
FUPTOZ	-36.7	-18.3	-158.8	110.7	-103.0
FUTDIH	-45.5	-16.4	-102.2	68.1	-95.9
GADXIT	-83.6	-38.4	-50.2	95.1	-77.1
GAFLEF	-9.6	-2.1	-26.6	11.2	-27.1
GAKNEL	-38.0	-16.0	-89.5	57.5	-85.9
GALDED	-72.2	-22.2	-98.8	80.0	-113.2
GANKEL	-83.8	-43.4	-83.4	125.4	-85.3
GAPWAV	-172.3	-69.2	-116.6	146.1	-211.9
GAQMER	-44.8	-15.4	-94.7	62.8	-92.0
GEBTUC	-164.8	-69.0	-90.6	172.3	-152.0
GERDIQ	-42.7	-14.5	-96.6	66.2	-87.7
GICXEV	-48.2	-27.2	-148.8	117.0	-107.2
GIPCEN	-16.2	-7.8	-87.7	48.2	-63.5
GIZQAH	-42.7	-13.5	-91.3	57.5	-90.0
GIZQEL	-40.1	-12.9	-92.8	55.0	-90.9
GOVXUK	-29.5	-12.9	-115.2	72.9	-84.6
GULGAV	-87.8	-37.5	-76.2	95.8	-105.8
HABMAZ	0.0	0.0	0.0	0.0	0.0
HACGAT	-86.9	-27.6	-86.6	95.2	-105.9
HAYXIO	-16.6	-6.4	-81.9	47.3	-57.6
HEBZOD	-61.2	-28.6	-69.6	74.5	-84.8
HEGHUX	-75.3	-36.8	-91.0	134.1	-68.9
HELVUP	-56.8	-16.4	-79.8	70.8	-82.1
HEVNUR	-81.5	-37.9	-112.6	116.2	-115.8
HIBWIY	-30.2	-11.8	-102.6	71.2	-73.4
HIBWOE	-26.8	-10.7	-105.8	70.2	-73.2
HICCAX	-25.4	-9.0	-76.1	41.2	-69.2
HIJCEI	-38.1	-12.5	-79.7	40.1	-90.2
HIKZAC	-81.4	-32.4	-61.0	75.8	-99.0
HIMMAL	-152.3	-72.7	-102.6	193.4	-134.2
HMPYTH	-67.0	-40.6	-105.4	96.1	-117.0
HOQBIY	-46.0	-19.5	-125.4	101.5	-89.5
HOSNIM	-38.9	-15.1	-104.2	67.8	-90.4
HUKROU	-192.0	-99.1	-99.7	169.4	-221.4
HYXBUR10	-155.9	-58.9	-74.5	160.0	-129.3
IJIVEC	0.0	0.0	0.0	0.0	0.0
IMIVOP	-105.8	-37.2	-111.7	116.7	-138.1
IQILID	-50.8	-18.8	-105.9	69.2	-106.4
IROREM	-41.5	-12.7	-84.8	55.1	-83.9
ISADIP	-10.9	-3.0	-36.8	21.0	-29.6
ISAJAN	-32.2	-8.7	-85.6	50.2	-76.3
ISAJIV	-37.5	-10.7	-83.4	52.2	-79.5
IYAWAG	-160.4	-86.5	-93.5	199.1	-141.3
IZAWUB	-109.4	-44.8	-101.6	129.9	-126.0
IZAXAI	-45.3	-16.4	-99.8	84.3	-77.2
IZECUL	-81.8	-37.8	-87.6	116.9	-90.3
IZEDUM	-60.5	-22.9	-107.2	85.8	-104.8
JABXAM	-27.5	-10.9	-90.5	58.3	-70.6
JAMHOU	-68.0	-20.2	-96.6	70.8	-114.0
JARDEM	-77.6	-33.0	-110.8	123.1	-98.3
JARQUP01	-81.2	-39.5	-99.0	112.4	-107.2
JIIYVUI	-34.2	-10.8	-76.3	43.2	-78.1
JOXBED	0.0	0.0	0.0	0.0	0.0
JUBKIA	-36.2	-11.0	-69.2	44.7	-71.8
JUBLAT	-76.1	-26.3	-92.9	83.6	-111.7
JUDZEN	-72.7	-28.4	-81.9	81.6	-101.4
JULREN	-90.8	-38.1	-105.4	119.1	-115.3
JUNCUQ	-92.0	-45.3	-96.7	136.9	-97.2
JUNFUT	-44.5	-13.3	-99.4	75.1	-82.2

JUTXUR	-94.8	-41.6	-68.9	116.3	-89.0
KAGBID	-67.5	-30.0	-126.7	122.2	-102.0
KAJRET	-55.5	-21.0	-82.7	70.2	-89.0
KAQPUN	-33.3	-10.8	-59.5	48.5	-55.0
KAXMAY	-46.4	-26.2	-154.4	124.2	-102.8
KEYYOK	-35.7	-12.3	-85.8	50.7	-83.1
KETVEK01	-64.0	-31.2	-55.3	90.3	-60.2
KONJOM	-38.5	-14.0	-84.2	49.5	-87.2
KORZIA	-53.0	-23.0	-98.5	81.7	-92.9
KOVHAE	-75.2	-22.7	-93.3	72.2	-119.0
KUFVAI	-48.7	-19.7	-106.8	69.7	-105.5
KUNXEW	0.0	0.0	0.0	0.0	0.0
KUTHAI	-58.5	-32.0	-75.8	70.8	-95.5
LABNIL	-127.6	-64.3	-100.2	166.0	-126.1
LABQUA	-43.0	-16.2	-86.3	55.3	-90.2
LACFEB	-49.1	-15.0	-100.4	69.3	-95.2
LAKJOW	-83.9	-31.8	-86.1	102.4	-99.5
LEBMIP	-49.0	-18.5	-95.6	70.8	-92.3
LECFUV	-41.0	-11.1	-66.8	45.8	-73.2
LEDZEZ	-55.8	-26.9	-140.0	134.9	-87.8
LEQVUY01	-99.8	-53.2	-83.4	114.9	-121.5
LIKZEN	-133.0	-63.8	-99.9	167.6	-129.1
LIMKIB	-140.9	-72.1	-82.7	188.6	-107.0
LIWQAJ	-91.3	-40.0	-96.8	110.9	-117.2
LOFSEE	-88.9	-36.2	-105.8	121.6	-109.3
LURZAZ	-46.2	-15.9	-84.9	65.2	-81.9
LVALIN01	0.0	0.0	0.0	0.0	0.0
MAFXEX	-63.3	-22.9	-91.7	82.0	-95.9
NADCOL	-33.5	-12.4	-81.8	56.2	-71.5
NAGVUM	-66.1	-36.4	-58.0	93.9	-66.6
NAHNIT	-52.2	-14.3	-58.2	45.0	-79.7
NAHPIV	-40.1	-14.6	-82.7	65.2	-72.2
NAKMUH	-34.1	-11.3	-89.8	54.5	-80.7
NANDIP	-34.2	-13.3	-88.4	68.1	-67.8
NANDUB	-36.5	-15.8	-82.1	57.1	-77.3
NAYJED	-138.6	-55.2	-83.3	153.7	-123.4
NEKREA	-83.1	-28.3	-105.2	73.2	-143.4
NEKZEI	-101.3	-48.2	-81.3	145.8	-85.1
NENJOF	-81.1	-39.2	-93.1	118.7	-94.6
NETJUR	-55.8	-19.3	-91.6	73.8	-92.8
NETROT	-156.9	-78.7	-81.4	194.4	-122.6
NEZNEL	-93.4	-50.9	-82.4	145.6	-81.1
NIFCEK	-44.0	-11.9	-75.8	35.1	-96.7
NOCPIE	-56.8	-25.5	-77.0	76.7	-82.6
NODTIJ	-104.7	-49.1	-95.6	133.6	-115.7
NSMACM	-92.3	-32.2	-67.5	83.4	-108.6
OBIBAC	-72.8	-33.9	-136.6	117.6	-125.9
OCEBAA	-134.3	-78.4	-83.2	181.3	-114.6
OXTZOL01	-67.0	-25.6	-89.0	117.8	-63.8
PUVVUX	-39.9	-12.2	-70.9	42.2	-80.9
PUYQUV	-45.2	-16.5	-105.2	60.8	-106.1
PYMSUL10	-52.4	-21.5	-125.6	86.8	-112.7
PYRZOL04	-65.2	-27.2	-50.7	71.4	-71.7
QADVIA	-51.8	-13.8	-66.3	48.1	-83.9
QAMVEG	-56.6	-27.0	-85.5	89.0	-80.1
QEKDAL	-32.2	-10.5	-81.2	52.2	-71.8
QETKOP	-102.2	-55.4	-88.8	126.7	-119.8
QICVAZ	-112.9	-53.7	-64.3	128.6	-102.4
QIKDET	-54.0	-15.8	-87.4	57.2	-100.0
QIMGAU	-61.7	-21.9	-92.3	82.6	-93.3
QIMHID	-58.5	-18.9	-63.8	62.1	-79.0
QIYQUK	-69.7	-42.5	-84.1	85.8	-110.4
QIZHIQ01	-65.6	-25.2	-99.1	90.6	-99.3
QUINAZ	-27.4	-10.4	-89.8	49.2	-78.3
RAFXOM	-45.2	-11.7	-75.5	54.5	-77.9
RESLEG	-57.9	-25.6	-92.2	80.4	-95.3
RIHJIB	-82.5	-39.7	-52.2	117.1	-57.3
RIZYEE	-65.4	-29.5	-98.8	87.8	-105.8
ROFGUO	-27.8	-16.7	-94.4	55.3	-83.6
SACHEK	-57.8	-24.3	-52.3	58.7	-75.8

SAKFUG	-101.7	-44.0	-69.1	122.2	-92.5
SAPZEO	-48.8	-19.5	-103.5	82.2	-89.6
SARBUI	0.0	0.0	0.0	0.0	0.0
SARPOR	-62.5	-40.7	-120.6	110.3	-113.5
SOYMOI	-68.3	-25.3	-101.7	101.1	-94.2
TAMCRT	0.0	0.0	0.0	0.0	0.0
TCBENZ03	-21.2	-8.1	-94.5	52.5	-71.3
TCLBZN	-21.5	-9.4	-107.6	64.6	-73.9
TELYAK01	-63.5	-25.6	-95.8	94.2	-90.7
TEMBES01	-58.8	-20.9	-71.4	74.2	-76.9
THACEM01	-83.2	-56.5	-83.4	111.7	-111.4
THCYTO10	-145.4	-70.9	-107.1	162.4	-161.0
THTFBD	-21.0	-7.5	-79.5	37.2	-70.7
TICVUW	-94.1	-42.0	-94.3	130.0	-100.5
TIJLIH	-111.2	-61.8	-95.3	150.6	-117.8
TIZMAQ	-45.0	-12.8	-82.5	56.3	-84.0
TNBENZ10	-37.5	-11.6	-80.1	50.6	-78.6
TOLUEN	-11.4	-5.5	-66.8	34.4	-49.4
TOVMAS	-30.3	-15.0	-107.9	61.7	-91.5
TOYWAF	-129.0	-63.7	-87.4	165.8	-114.3
TOYWEJ	-109.1	-48.2	-90.8	146.2	-101.9
TUKWOL01	-79.2	-29.5	-79.8	72.1	-116.5
UBEREY	-18.9	-5.0	-48.0	28.5	-43.4
UCECAG03	-47.8	-15.8	-99.9	74.3	-89.2
UHAMAR	-60.2	-17.4	-92.2	79.2	-90.6
VACRAT	0.0	0.0	0.0	0.0	0.0
VAHFIU	-61.0	-17.6	-86.2	64.6	-100.3
VATKEH	-90.3	-54.7	-132.1	135.4	-141.7
VAVTOB	-83.1	-32.9	-105.7	109.0	-112.6
VECXIL	-40.0	-20.0	-107.3	76.2	-91.2
VOGSEP	-72.9	-38.8	-104.2	105.8	-110.1
VONZON	-56.5	-37.2	-106.8	95.2	-105.3
VORNIZ	-102.3	-41.5	-97.6	120.4	-121.0
WAKHEW	-66.3	-29.7	-89.6	87.3	-98.2
WATFAZ	-49.1	-21.3	-99.9	79.2	-91.1
WECXAE	-83.8	-39.4	-98.8	124.3	-97.6
WEDJEV	-33.8	-12.7	-97.5	63.4	-80.5
WEFQII	-43.5	-17.6	-92.8	62.2	-91.6
WEMFAV	-41.3	-18.6	-84.8	67.2	-77.6
WESBIF	-129.1	-63.8	-93.2	157.9	-128.2
WOSVAB	-99.2	-43.6	-74.6	122.9	-94.5
WOSWAC	-30.4	-12.9	-81.7	60.6	-64.4
WURWIP	-88.2	-59.5	-122.2	123.2	-146.7
WUVTUC	-88.8	-41.0	-70.1	111.2	-88.6
XAKZIS	-77.9	-22.2	-104.8	83.2	-121.6
XALTUZ	0.0	0.0	0.0	0.0	0.0
XANYOB	-46.3	-22.6	-106.5	83.8	-91.5
XATJUX	-52.1	-25.4	-135.3	96.8	-115.9
XATMOV	-40.6	-19.8	-48.0	59.2	-49.2
XEDDAM	-30.1	-12.2	-66.1	48.2	-60.2
XEDTOP	-89.0	-46.1	-82.0	127.7	-89.4
XEJNUV	-43.8	-15.0	-106.6	58.8	-106.5
XEXXED	-91.4	-31.4	-88.7	84.2	-127.3
XIHMIK	-77.8	-33.3	-121.2	100.4	-131.8
YAJQUW	-166.9	-83.2	-99.3	205.9	-143.5
YAVCON	-84.4	-31.6	-150.5	144.8	-121.8
YAVJOU	-68.6	-23.8	-93.4	50.2	-135.6
YAWNIT	-36.8	-12.1	-80.1	54.2	-74.8
YEGHIB	-41.5	-16.1	-107.4	79.6	-85.4
YEPFEE	-35.2	-16.8	-93.8	71.3	-74.5
YICFAR	-29.5	-10.9	-86.1	59.0	-67.5
YOLBOQ	0.0	0.0	0.0	0.0	0.0
YOLNIW	-76.8	-25.1	-113.8	77.5	-138.2
YOSHOD10	-43.3	-20.3	-122.1	98.8	-87.0
YOWXIR	-124.8	-49.7	-121.1	100.8	-194.8
YUBTOE	-47.5	-14.0	-40.8	40.4	-61.9
YUYLAF	-73.4	-34.8	-101.3	106.6	-103.0
ZEDPIH	-89.5	-44.8	-89.7	123.7	-100.3
ZEGCUJ	-31.0	-11.2	-100.7	58.1	-84.8
ZELKUW	-57.2	-22.0	-78.0	74.8	-82.4

ZIKWAR	-67.2	-42.4	-100.2	93.0	-116.8
ZIYMOJ	-104.7	-47.3	-95.0	126.1	-120.8
ZIZFET	-39.4	-14.1	-105.3	73.8	-85.0
ZOYLII	-63.4	-22.5	-83.4	78.9	-90.4
ZOYLUU	-61.7	-23.5	-83.1	77.2	-91.1
ZULDOZ	-46.0	-13.2	-56.4	43.9	-71.7
ZZZGVU02	-46.7	-15.3	-95.2	65.7	-91.5
ZZZJIQ02	-38.0	-13.1	-86.6	50.2	-87.3
ZZZPRC02	-43.4	-14.3	-90.8	56.0	-92.5
BAHFEV	-40.1	-16.8	-121.2	78.2	-99.9
GLUCSA03	-264.1	-119.2	-114.9	297.6	-200.6
QAXMEH	-47.8	-19.7	-135.5	88.1	-114.9
TOLETY	-21.1	-8.9	-123.9	59.9	-94.0
ACACOX	-73.5	-32.5	-72.9	69.8	-109.1
ACOKAE	-22.7	-7.2	-71.3	40.2	-61.0
ADIPEJ	-67.1	-28.6	-94.9	101.0	-89.6
AFUYIJ	-75.2	-28.2	-105.7	107.9	-101.2
AMBAC08	-89.0	-42.2	-89.5	121.5	-99.2
AMPYRD	-53.3	-20.9	-72.3	69.0	-77.5
ARAGUV	-105.0	-44.2	-90.2	120.9	-118.5
ATUVIU	-124.1	-57.0	-73.0	143.5	-110.6
AYOJED	-22.2	-13.8	-90.3	57.2	-69.1
BACYEJ	-33.5	-14.7	-95.5	73.4	-70.3
BAKFUO	-68.4	-24.4	-53.3	66.0	-80.1
BAPNUC	-40.0	-14.7	-106.8	64.4	-97.1
BAWNOC01	-51.6	-18.2	-128.4	97.7	-100.5
BEDMON	-15.6	-3.8	-59.7	35.3	-43.8
BENZOK	-109.9	-41.7	-108.4	126.0	-134.0
BETBOR	-85.4	-32.9	-98.2	80.1	-136.4
BIFHIH	-49.5	-22.2	-95.9	73.5	-94.1
BISMEV02	-93.9	-32.0	-91.8	96.0	-121.7
BOLNAR	-111.7	-49.1	-79.5	138.0	-102.3
BOZKOQ	-63.2	-22.2	-71.3	73.8	-82.9
BUSFUQ	-83.1	-33.6	-65.8	92.6	-89.9
BZOXZT01	-55.7	-30.0	-111.8	93.6	-103.9
CACHAP	-128.7	-74.4	-83.9	192.3	-94.7
CAKPOT	0.0	0.0	0.0	0.0	0.0
CATCOL13	-90.8	-42.1	-86.0	119.5	-99.4
CAXQUO	-39.8	-13.5	-79.7	43.9	-89.1
CDBALA	-116.8	-38.6	-96.7	128.7	-123.4
CEKGUU01	-12.0	-3.9	-46.0	25.9	-36.0
CEZVUY	-111.0	-58.2	-100.7	164.3	-105.6
CICYIW	-41.8	-14.5	-87.1	58.9	-84.5
CILWUP11	-46.4	-17.0	-63.0	51.5	-74.9
CIWJAU	-52.8	-27.9	-146.9	126.9	-100.7
CLCYBQ	-47.5	-19.3	-89.2	70.5	-85.5
CLPTAZ	-44.4	-16.7	-109.0	72.8	-97.3
COJMUJ	-95.7	-35.9	-116.9	122.9	-125.6
COSFAR	-33.0	-13.2	-95.6	61.1	-80.7
CUGBIP	0.0	0.0	0.0	0.0	0.0
CUVWEV	-31.5	-15.8	-102.7	67.5	-82.5
DAHDAR	-60.6	-35.6	-158.0	161.3	-92.9
DAZNAP	-39.6	-14.2	-88.0	51.8	-90.0
DCLDXN04	-53.2	-16.6	-97.8	81.1	-86.5
DEFYES	-26.6	-12.4	-83.5	63.0	-59.5
DESKER01	-79.1	-29.1	-97.3	114.6	-90.8
DHXBZQ	-83.3	-28.6	-86.3	107.7	-90.5
DIKYUR	-47.0	-14.9	-93.2	71.1	-84.0
DLASPA11	0.0	0.0	0.0	0.0	0.0
DMHTEZ10	-52.9	-20.6	-82.4	74.5	-81.4
DMTTDO	-41.2	-17.3	-100.9	81.2	-78.2
DOGPAQ	-114.2	-39.3	-85.9	118.7	-120.7
DOXWIW	-30.0	-9.3	-91.5	52.6	-78.2
DTHDOM	-98.4	-47.1	-99.2	140.0	-104.7
DURDID	-51.9	-19.2	-80.6	53.3	-98.4
EACLID	-41.5	-13.0	-72.4	54.3	-72.6
EFAXUE	-37.9	-10.9	-85.1	53.1	-80.8
ELIZAA	-107.8	-50.3	-101.6	138.7	-121.0
ERISIH	-97.4	-35.5	-97.9	99.9	-130.9
ETMSUL04	-104.9	-27.7	-113.1	79.2	-166.5

EXEWA	-115.0	-43.2	-74.9	116.3	-116.8
FACETC10	-104.4	-56.1	-94.4	182.6	-72.3
FAXHOB01	-73.9	-27.1	-90.2	89.8	-101.4
FELDUW	-87.4	-23.8	-114.5	99.0	-126.7
FEQYAC	-34.4	-14.0	-146.2	88.4	-106.2
FEZRAD	-97.8	-75.5	-137.5	159.6	-151.2
FIKHUC	-71.0	-18.9	-74.1	59.3	-104.7
FITXIP	-132.5	-48.7	-82.8	133.9	-130.1
FLUANA	-89.6	-37.4	-68.0	103.1	-91.9
FOMHAZ13	-127.6	-49.1	-68.5	139.9	-105.3
FORIZT10	-130.9	-77.0	-107.8	160.7	-155.0
FUCMEV	-61.7	-24.0	-65.2	58.5	-92.4
FUNSOW	-41.8	-11.1	-62.8	49.6	-66.1
GADRUZ	-67.9	-33.6	-102.8	114.0	-90.3
GAKNIP	-57.8	-21.6	-118.1	77.2	-120.3
GARVIE	-36.1	-17.9	-119.8	78.5	-95.3
GEDHAY	-72.8	-27.7	-105.0	117.9	-87.6
GEHRIV	-51.8	-16.5	-87.6	60.9	-95.0
GERZEI	-34.0	-12.8	-85.3	49.2	-82.9
GEYTUZ	-64.5	-40.8	-112.4	105.2	-112.5
GIPLOG	-60.5	-21.5	-76.7	74.6	-84.1
GISXOW	-92.1	-30.6	-115.7	118.0	-120.4
GLYCIN69	0.0	0.0	0.0	0.0	0.0
GOYLOV	-48.6	-15.9	-82.4	74.0	-72.9
GUWCAC	-108.6	-48.3	-153.3	163.1	-147.1
HAMFEH	-55.6	-16.0	-89.7	51.3	-110.0
HCCYPR01	-18.9	-8.1	-100.0	64.6	-62.4
HEJZAX	-55.6	-19.2	-74.0	67.6	-81.2
HEPTPO	-43.2	-18.4	-127.0	91.3	-97.3
HIBJAD	-153.0	-59.7	-94.1	158.9	-147.9
HIJCAE	-32.7	-13.5	-87.3	54.1	-79.4
HIRSUX	-32.0	-8.9	-76.8	54.2	-63.5
HIYNUY	-25.8	-11.3	-75.2	50.8	-61.5
HOSNEI	-36.0	-14.9	-105.3	70.5	-85.7
HTIEPO	-45.2	-14.3	-89.0	46.8	-101.7
HXPHIM	-99.3	-37.6	-91.8	117.8	-110.9
IDEPEN	-59.6	-18.9	-76.5	54.4	-100.6
IHECIH	-126.8	-63.5	-89.8	162.4	-117.7
IMDIAC01	0.0	0.0	0.0	0.0	0.0
INERAU	-35.9	-10.5	-75.0	51.1	-70.3
ISATIN04	-69.3	-24.0	-95.5	86.6	-102.2
IYINAF01	-26.6	-10.9	-95.6	63.9	-69.2
JAKKIP	-167.7	-82.7	-87.7	220.1	-118.0
JAYDUI	-7.2	-3.0	-44.8	27.7	-27.3
JEFMUD	-86.1	-31.3	-118.4	90.5	-145.3
JEMGIS	-85.2	-27.4	-90.5	99.2	-103.9
JEVNEE	-116.6	-46.5	-100.0	134.0	-129.1
JIPFAQ	-99.9	-37.6	-82.9	112.3	-108.1
JOPFAV	-25.4	-9.0	-63.6	48.9	-49.1
JUBJAR	-63.7	-26.9	-94.0	85.5	-99.1
JUXHUF	-82.4	-32.9	-68.0	85.8	-97.5
KABJON	-74.5	-28.3	-109.3	105.8	-106.3
KAQPOH	-45.7	-21.3	-84.0	71.9	-79.1
KEKWOM	-53.8	-23.6	-126.1	111.0	-92.5
KEQXIO	-100.3	-46.1	-94.2	123.5	-117.1
KIMDEP	-34.6	-14.0	-93.2	64.6	-77.2
KIWVIW	-127.3	-61.0	-95.8	141.6	-142.5
KONDEW	-64.4	-25.1	-123.1	107.6	-105.0
KOXBOO	-56.8	-34.3	-107.5	95.9	-102.7
KUSVUP	-47.6	-19.7	-93.2	64.0	-96.5
LAKJEM	-82.2	-29.2	-72.0	86.6	-96.8
LAXZAM	-66.2	-35.2	-161.8	152.7	-110.5
LEHQIZ	-60.0	-19.9	-68.4	64.9	-83.4
LEVYAM	-20.1	-7.1	-89.1	40.2	-76.1
LIHTOL	-78.3	-45.3	-196.7	220.0	-100.3
LIQVOW	0.0	0.0	0.0	0.0	0.0
LIWGOO	-72.9	-26.6	-83.1	89.7	-92.9
LOSBI01	-47.2	-27.9	-141.7	115.9	-100.9
LUPWAU	-84.5	-29.8	-109.7	115.2	-108.8
MAFXAT	-114.5	-51.1	-103.3	134.0	-134.9

MASBUD	-101.3	-41.9	-95.2	132.2	-106.2
MAVRAD	-57.5	-22.6	-103.4	101.4	-82.1
MDTHAC	-178.8	-90.1	-109.2	225.5	-152.6
MEHPAR	-61.7	-23.0	-101.6	87.8	-98.5
MEPTAD	-46.2	-18.2	-90.6	74.9	-80.1
METOLS10	-40.8	-14.5	-94.8	54.9	-95.2
MFZCHZ	-97.6	-32.3	-88.2	98.5	-119.6
MIKTEG	-66.9	-19.6	-102.7	92.1	-97.1
MIXPEO	-54.4	-17.2	-109.8	84.4	-97.0
MNDXTO	-53.1	-15.2	-91.1	66.3	-93.1
MOFNIE01	-50.5	-15.3	-107.4	64.0	-109.2
MQAZOX	-43.1	-16.0	-112.3	75.9	-95.5
MTROLA10	-52.3	-19.3	-62.3	62.7	-71.2
MUSVUR	-103.1	-59.1	-146.3	143.9	-164.6
NAHMUE	-78.7	-33.5	-79.2	114.5	-76.9
NATZCX	-110.3	-58.7	-91.1	149.2	-110.9
NEDMOY	-77.8	-28.2	-93.5	102.2	-97.3
NEPGCL03	-117.4	-55.1	-62.4	149.2	-85.7
NFMLEB	-46.9	-17.2	-91.4	68.0	-87.5
NINHYD02	-109.5	-49.6	-95.6	138.8	-115.9
NITPOL08	-73.5	-29.3	-89.2	97.1	-94.9
NMYPHD	-60.1	-17.6	-100.8	70.9	-107.6
NOTSAQ01	-102.2	-45.1	-118.6	133.9	-132.0
NTSALA	-91.8	-39.0	-97.1	131.2	-96.7
NUTTIF	-119.6	-48.3	-52.0	120.7	-99.2
OCASER	-67.7	-26.8	-101.3	97.8	-98.0
ODIKES	-47.2	-25.2	-118.5	104.2	-86.7
OLAWUT	-1.0	-0.1	-39.4	7.8	-32.7
OXALAC06	-116.3	-50.1	-54.8	121.2	-100.0
PAKPAS	-84.4	-33.1	-71.6	86.9	-102.2
PARJIB	-50.2	-15.1	-80.0	49.6	-95.7
PCLCHX10	-44.6	-19.4	-113.6	81.2	-96.4
PENRAC	-78.5	-44.1	-97.5	119.8	-100.3
PEVNUZ01	-97.5	-60.0	-115.2	125.5	-147.2
PHBALD11	-74.5	-32.3	-81.4	99.2	-89.0
PIDGOZ	-81.3	-41.3	-65.4	112.4	-75.6
PIMBAP	-90.0	-30.2	-89.4	107.9	-101.7
PNCLBZ	-24.5	-11.9	-122.8	79.7	-79.5
POVKEQ	-116.3	-45.8	-77.9	114.8	-125.2
PUFFOL01	-32.0	-10.1	-66.9	47.4	-61.6
PVVAWA01	-15.9	-4.2	-53.0	29.0	-44.1
PYZPYT01	-116.1	-55.6	-117.8	151.0	-138.5
QANRUT	0.0	0.0	0.0	0.0	0.0
QATTOU	-136.0	-62.3	-84.3	180.4	-102.2
QEKYAG	-41.2	-18.1	-104.4	84.0	-79.7
QEXNIR	-57.6	-19.7	-107.7	88.9	-96.1
QIPTUE	-46.6	-19.8	-128.6	95.6	-99.4
QOCNAX	-139.6	-48.3	-94.5	137.7	-144.7
QQQFUS01	-59.1	-23.4	-108.2	88.5	-102.2
RAMVOQ01	-80.8	-37.1	-103.2	110.8	-110.3
RAVNOR	-62.1	-34.0	-174.0	150.9	-119.2
REGYEH	-70.1	-22.6	-75.0	62.7	-105.0
REQYER10	-75.3	-26.4	-114.3	88.1	-127.9
REZNUG	-97.2	-38.5	-73.1	100.2	-108.6
RIKXIS	-12.6	-6.2	-61.7	40.2	-40.3
RIYFAG	-32.8	-13.2	-106.4	64.1	-88.3
SADHUA	-21.7	-7.6	-59.2	47.7	-40.8
SALIAC16	-88.0	-44.2	-91.3	127.5	-96.0
SATNEH	-34.5	-14.9	-77.3	58.5	-68.2
SAZXEW	-57.9	-36.7	-140.4	127.7	-107.3
SEGCAI	-54.2	-14.7	-69.9	55.5	-83.3
SETHEE	-98.3	-33.2	-120.2	88.5	-163.2
SIKQOS	-62.7	-31.8	-154.5	148.8	-100.2
SISPAL	-36.1	-16.5	-168.3	122.3	-98.6
SOBFEU	-99.7	-53.6	-217.2	243.1	-127.4
SUCACB11	-139.1	-64.6	-74.4	166.2	-111.9
SUSCOY	-18.1	-6.0	-69.6	33.5	-60.2
TAFLAO	-43.0	-18.8	-126.4	89.3	-98.9
TAHPIB	-80.0	-37.2	-104.5	113.6	-108.1
TARGID	-46.8	-16.2	-92.5	78.9	-76.6

TCBENQ07	-49.8	-16.5	-111.6	97.4	-80.5
TCYNEO	-57.2	-18.7	-55.3	56.4	-74.8
TEKKAV	-136.7	-64.3	-108.1	180.1	-129.0
TERMIN	-86.9	-33.3	-88.2	99.3	-109.1
TEZBIJ	-67.2	-23.0	-88.6	81.1	-97.7
THPYDO	-46.9	-13.5	-79.8	43.4	-96.8
TICZOU	-74.5	-28.6	-94.1	95.2	-102.0
TIPVOD	-32.4	-14.4	-76.0	58.2	-64.6
TOBBIV	-17.0	-5.8	-48.0	27.5	-43.3
TPENAC02	-93.0	-45.2	-75.3	123.4	-90.1
TTMCDN	-39.4	-9.1	-62.2	37.1	-73.6
TURCIL02	-124.5	-69.8	-112.2	160.9	-145.6
UCEROK	-27.3	-10.5	-103.0	56.6	-84.2
UFEBIQ	-81.8	-37.3	-69.6	97.9	-90.8
UJUKEP	-124.4	-60.1	-129.6	191.5	-122.6
VALIDL03	0.0	0.0	0.0	0.0	0.0
VATPAI	-139.3	-74.0	-84.7	199.5	-98.5
VEJPUV	-67.7	-20.5	-102.6	64.2	-126.6
VEVCEF	-79.6	-30.5	-65.6	85.5	-90.2
VIFBER	-46.1	-14.1	-92.7	58.1	-94.8
VIRGOS	-33.4	-14.4	-89.8	63.6	-74.0
VODWEQ	-141.1	-61.2	-104.5	165.8	-141.0
VUGSIZ10	-36.8	-13.4	-97.7	83.3	-64.6
WAMDEU	-64.0	-20.3	-94.5	57.6	-121.2
WAVKIN	0.0	0.0	0.0	0.0	0.0
WEJRIM	-87.9	-59.9	-112.0	121.5	-138.3
WENZOF	-32.2	-9.9	-86.7	35.5	-93.3
WESBOL	-130.4	-60.6	-88.0	168.3	-110.7
WEWPUJ	-122.0	-44.0	-90.5	123.8	-132.7
WIGYIV	-68.9	-27.6	-97.3	89.4	-104.4
WIQDIJ01	-49.3	-15.0	-92.6	63.1	-93.8
WOBLUU	-73.1	-20.3	-81.4	62.7	-112.1
WOSTUT	-92.7	-41.8	-74.0	123.3	-85.2
WUSPAB	-37.8	-8.7	-66.0	39.2	-73.3
XAQNOT	-115.1	-61.9	-87.3	175.0	-89.3
XAYSIZ	-94.9	-48.6	-101.1	117.5	-127.1
XETJIQ	-86.8	-36.3	-80.8	110.5	-93.4
XIHMEG	-73.9	-29.7	-115.2	99.9	-118.9
XOFCUQ	-47.6	-18.6	-116.3	80.1	-102.4
XULDUD01	-24.0	-10.3	-70.4	63.2	-41.5
YACGAK01	-53.7	-16.5	-70.0	50.7	-89.5
YEDKEX	-135.1	-64.2	-108.7	177.4	-130.6
YELSEO	-50.5	-21.2	-77.2	64.0	-84.9
YIFDUN	-37.6	-13.9	-107.0	72.4	-86.1
YIPZUT	-64.1	-21.0	-107.6	67.6	-125.1
YOBQEL	-90.7	-35.7	-79.4	103.8	-102.0
YUNLUO	-77.9	-28.5	-63.3	87.8	-81.9
ZATVOF	-33.4	-12.1	-101.3	62.4	-84.4
ZEXQAU	-59.4	-17.0	-82.1	62.1	-96.4
ZIPXOL	-38.0	-18.6	-118.4	86.2	-88.8
ZOKRUM	-41.2	-20.0	-135.1	97.5	-98.8
ZUMKEX	-54.4	-20.0	-103.3	72.4	-105.3
ZZZEKW02	-37.2	-13.0	-103.7	77.2	-76.7
ZZZLYS01	-49.9	-13.7	-93.6	70.2	-87.0
ZZZWGK01	-25.9	-8.5	-54.9	39.5	-49.8